

# **RURAL RESEARCH AT THE UNIVERSITY OF GUELPH**

## **Introduction**

This document provides a preliminary list of rural literature generated by University of Guelph faculty members. In partnership with the Library at the University of Guelph, this list has been curated through the Covidence platform. This document outlines rural research published between 2010 – 2022 that is available in an online format. The list below is presented in alphabetical order by authors. The list of rural research will continue to be refined and expanded.

This initiative has been financially supported through the Ontario Agri-Food Innovation Alliance Knowledge Translation and Transfer Grant.

## List of Rural Research

- Abalos, D; Smith, WN; Grant, BB; Drury, CF; MacKell, S; Wagner-Riddle, C (2016). Scenario analysis of fertilizer management practices for N<sub>2</sub>O mitigation from corn systems in Canada. *SCIENCE OF THE TOTAL ENVIRONMENT*, 573(), 356-365. 10.1016/j.scitotenv.2016.08.153
- Abaya, A; Xue, A; Hsiang, T (2021). Selection and screening of fungal endophytes against wheat pathogens. *BIOLOGICAL CONTROL*, 154(), . 10.1016/j.biocontrol.2020.104511
- Abdel-Aal, ESM; Ragaee, S; Rabalski, I; Warkentin, T; Vandenberg, A (2019). Nutrient content and viscosity of Saskatchewan-grown pulses in relation to their cooking quality. *CANADIAN JOURNAL OF PLANT SCIENCE*, 99(1), 67-77. 10.1139/cjps-2018-0140
- Abubakari, AH; Mahunu, G; McDonald, MR; Ceplis, D; Kumah, P; Idun, I; Appiah, F; Owen, J; Pritchard, M (2011). Adoption of Beneficial Management Practices for Dry Season Vegetable Production in Rural Ghana. *HORTSCIENCE*, 46(9), S379-S379.
- Adamowicz, SJ; Menu-Marque, S; Halse, SA; Topan, JC; Zemplak, TS; Hebert, PDN; Witt, JDS (2010). The evolutionary diversification of the Centropagidae (Crustacea, Calanoida): A history of habitat shifts. *MOLECULAR PHYLOGENETICS AND EVOLUTION*, 55(2), 418-430. 10.1016/j.ympev.2009.12.008
- Adams, JR; Rowlandson, TL; McKeown, SJ; Berg, AA; McNairn, H; Sweeney, SJ (2013). Evaluating the Cloude-Pottier and Freeman-Durden scattering decompositions for distinguishing between unharvested and post-harvest agricultural fields. *CANADIAN JOURNAL OF REMOTE SENSING*, 39(4), 318-327. 10.5589/m13-040
- Adler, PB; Seabloom, EW; Borer, ET; Hillebrand, H; Hautier, Y; Hector, A; Harpole, WS; O'Halloran, LR; Grace, JB; Anderson, TM; Bakker, JD; Biederman, LA; Brown, CS; Buckley, YM; Calabrese, LB; Chu, CJ; Cleland, EE; Collins, SL; Cottingham, KL; Crawley, MJ; Damschen, EI; Davies, KF; DeCrappeo, NM; Fay, PA; Firn, J; Frater, P; Gasarch, EI; Gruner, DS; Hagenah, N; Lambers, JHR; Humphries, H; Jin, VL; Kay, AD; Kirkman, KP; Klein, JA; Knops, JMH; La Pierre, KJ; Lambrinos, JG; Li, W; MacDougall, AS; McCulley, RL; Melbourne, BA; Mitchell, CE; Moore, JL; Morgan, JW; Mortensen, B; Orrock, JL; Prober, SM; Pyke, DA; Risch, AC; Schuetz, M; Smith, MD; Stevens, CJ; Sullivan, LL; Wang, G; Wragg, PD; Wright, JP; Yang, LH (2011). Productivity Is a Poor Predictor of Plant Species Richness. *SCIENCE*, 333(6050), 1750-1753. 10.1126/science.1204498
- Afifi, M; Swanton, C (2011). Maize seed and stem roots differ in response to neighbouring weeds. *WEED RESEARCH*, 51(5), 442-450. 10.1111/j.1365-3180.2011.00865.x



- Agerholm, JS; DeLay, J; Hicks, B; Fredholm, M (2010). First confirmed case of the bovine brachyspina syndrome in Canada. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 51(12), 1349-1350.
- Aghdam, MS; Jannatizadeh, A; Luo, ZS; Paliyath, G (2018). Ensuring sufficient intracellular ATP supplying and friendly extracellular ATP signaling attenuates stresses, delays senescence and maintains quality in horticultural crops during postharvest life. *TRENDS IN FOOD SCIENCE & TECHNOLOGY*, 76(), 67-81. 10.1016/j.tifs.2018.04.003
- Agnew, J; Henson, S; Cao, Y (2020). Are Low-Income Consumers Willing to Pay for Fortification of a Commercially Produced Yogurt in Bangladesh. *FOOD AND NUTRITION BULLETIN*, 41(1), 102-120. 10.1177/0379572119895860
- Agunos, A; Waddell, L; Leger, D; Taboada, E (2014). A Systematic Review Characterizing On-Farm Sources of *Campylobacter* spp. for Broiler Chickens. *PLOS ONE*, 9(8), . 10.1371/journal.pone.0104905
- Ahad, R; Zhou, T; Lepp, D; Pauls, KP (2017). Microbial detoxification of eleven food and feed contaminating trichothecene mycotoxins. *BMC BIOTECHNOLOGY*, 17(), . 10.1186/s12896-017-0352-7
- Ahmad, S; Raza, T; Imran, S; Eash, NS; Khan, N; Ashiq, W; Flynn, T (2021). Foliar Application of Boron Improves the Growth and Yield in Barley (*Hordeum Vulgare* L.). *BULLETIN OF UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE CLUJ-NAPOCA-FOOD SCIENCE AND TECHNOLOGY*, 78(2), 11-17. 10.15835/buasvmcn-fst:2021.0013
- Ahmadi, B; Lau, CPS; Giffin, J; Santos, N; Hahnel, A; Raeside, J; Christie, H; Bartlewski, P (2012). Suitability of epididymal and testicular ultrasonography and computerized image analysis for assessment of current and future semen quality in the ram. *EXPERIMENTAL BIOLOGY AND MEDICINE*, 237(2), 186-193. 10.1258/ebm.2011.011050
- Ahmed, SI; Singh, A; Rudra, R; Gharabaghi, B (2014). Comparison of CANWET and HSPF for water budget and water quality modeling in rural Ontario. *WATER QUALITY RESEARCH JOURNAL OF CANADA*, 49(1), 53-71. 10.2166/wqrjc.2013.044
- Aiassa, E; Higgins, JPT; Frampton, GK; Greiner, M; Afonso, A; Amzal, B; Deeks, J; Dorne, JL; Glanville, J; Lovei, GL; Nienstedt, K; O'Connor, AM; Pullin, AS; Rajic, A; Verloo, D (2015). Applicability and Feasibility of Systematic Review for Performing Evidence-Based Risk Assessment in Food and Feed Safety. *CRITICAL REVIEWS IN FOOD SCIENCE AND NUTRITION*, 55(7), 1026-1034. 10.1080/10408398.2013.769933

- Aikenhead, G; Farahbakhsh, K; Halbe, J; Adamowski, J (2015). Application of process mapping and causal loop diagramming to enhance engagement in pollution prevention in small to medium size enterprises: case study of a dairy processing facility. *JOURNAL OF CLEANER PRODUCTION*, 102(), 275-284. 10.1016/j.jclepro.2015.04.069
- Akanno, EC; Plastow, G; Woodward, BW; Bauck, S; Okut, H; Wu, XL; Sun, C; Aalhus, JL; Moore, SS; Miller, SP; Wang, Z; Basarab, JA (2014). Reliability of molecular breeding values for Warner-Bratzler shear force and carcass traits of beef cattle - An independent validation study. *JOURNAL OF ANIMAL SCIENCE*, 92(7), 2896-2904. 10.2527/jas.2013-7374
- Akhtar, N; Cai, HY; Kiarie, EG; Li, JL (). A novel *Bacillus* sp. with rapid growth property and high enzyme activity that allows efficient fermentation of soybean meal for improving digestibility in growing pigs. *JOURNAL OF APPLIED MICROBIOLOGY*, (), . 10.1111/jam.15268
- Akimowicz, M; Cummings, H; Landman, K (2016). Green lights in the Greenbelt? A qualitative analysis of farm investment decision-making in peri-urban Southern Ontario. *LAND USE POLICY*, 55(), 24-36. 10.1016/j.landusepol.2016.03.024
- Akkari, C; Bryant, CR (2017). Toward Improved Adoption of Best Management Practices (BMPs) in the Lake Erie Basin: Perspectives from Resilience and Agricultural Innovation Literature. *AGRICULTURE-BASEL*, 7(7), . 10.3390/agriculture7070054
- Al-Bakri, J; Suleiman, A; Berg, A (2014). A comparison of two models to predict soil moisture from remote sensing data of RADARSAT II. *ARABIAN JOURNAL OF GEOSCIENCES*, 7(11), 4851-4860. 10.1007/s12517-013-1115-y
- Al-Daoud, F; Moran, M; Cranmer, TJ; Celetti, MJ; Gossen, BD; Tenuta, A; McDonald, MR (2019). Survey of clubroot (*Plasmodiophora brassicae*) pathotypes in canola and Brassica vegetable fields in Ontario in 2017.. *CANADIAN JOURNAL OF PLANT PATHOLOGY*, 41(1), 139-139.
- Alam, MZ; Chong, C (2010). Recycled Liquid Cattle Manure as a Sole Fertilizer Source for Growing Container Nursery Stock in a Closed System. *HORTSCIENCE*, 45(1), 157-160. 10.21273/HORTSCI.45.1.157
- Alavi, N; Drewitt, G; Berg, AA; Merryfield, WJ (2011). Soil Moisture Initialization Effects in the CCCma AGCM3: Relationship of Sub-Seasonal Climate Forecast Error to Uncertainty in Soil Moisture Initializations. *ATMOSPHERE-OCEAN*, 49(3), 179-188. 10.1080/07055900.2011.608422
- Albano, LJ; Turetsky, MR; Mack, MC; Kane, ES (2021). Deep roots of *Carex aquatilis* have greater ammonium uptake capacity than shallow roots in peatlands following

permafrost thaw. *PLANT AND SOIL*, 465(1-2), 261-272. 10.1007/s11104-021-04978-x

Aliaga-Leyton, A; Friendship, R; Dewey, CE; Todd, C; Peregrine, AS (2011). Isospora suis infection and its association with postweaning performance on three southwestern Ontario swine farms. *JOURNAL OF SWINE HEALTH AND PRODUCTION*, 19(2), 94-99.

Alijani, Z; Hosseinali, F; Biswas, A (2020). Spatio-temporal evolution of agricultural land use change drivers: A case study from Chalous region, Iran. *JOURNAL OF ENVIRONMENTAL MANAGEMENT*, 262(), . 10.1016/j.jenvman.2020.110326

Allcock, AL; Barratt, I; Eleaume, M; Linse, K; Norman, MD; Smith, PJ; Steinke, D; Stevens, DW; Strugnell, JM (2011). Cryptic speciation and the circumpolarity debate: A case study on endemic Southern Ocean octopuses using the COI barcode of life. *DEEP-SEA RESEARCH PART II-TOPICAL STUDIES IN OCEANOGRAPHY*, 58(1-2), 242-249. 10.1016/j.dsr2.2010.05.016

Allen-Perkins, A; Magrath, A; Dainese, M; Garibaldi, LA; Kleijn, D; Rader, R; Reilly, JR; Winfree, R; Lundin, O; McGrady, CM; Brittain, C; Biddinger, DJ; Artz, DR; Elle, E; Hoffman, G; Ellis, JD; Daniels, J; Gibbs, J; Campbell, JW; Brokaw, J; Wilson, JK; Mason, K; Ward, KL; Gundersen, KB; Bobiwash, K; Gut, L; Rowe, LM; Boyle, NK; Williams, NM; Joshi, NK; Rothwell, N; Gillespie, RL; Isaacs, R; Fleischer, SJ; Peterson, SS; Rao, S; Pitts-Singer, TL; Fijen, T; Boreux, V; Rundlof, M; Viana, BF; Klein, AM; Smith, HG; Bommarco, R; Carvalheiro, LG; Ricketts, TH; Ghazoul, J; Krishnan, S; Benjamin, FE; Loureiro, J; Castro, S; Raine, NE; de Groot, GA; Horgan, FG; Hipolito, J; Smagghe, G; Meeus, I; Eeraerts, M; Potts, SG; Kremen, C; Garcia, D; Minarro, M; Crowder, DW; Pisanty, G; Mandelik, Y; Vereecken, NJ; Leclercq, N; Weekers, T; Lindstrom, SAM; Stanley, DA; Zaragoza-Trello, C; Nicholson, CC; Scheper, J; Rad, C; Marks, EAN; Mota, L; Danforth, B; Park, M; Bezerra, ADM; Freitas, BM; Mallinger, RE; da Silva, FO; Willcox, B; Ramos, DL; Silva, FDDE; Lazaro, A; Alomar, D; Gonzalez-Estevéz, MA; Taki, H; Cariveau, DP; Garratt, MPD; Jodar, DNN; Stewart, RIA; Ariza, D; Pisman, M; Lichtenberg, EM; Schuepp, C; Herzog, F; Entling, MH; Dupont, YL; Michener, CD; Daily, GC; Ehrlich, PR; Burns, KLW; Vila, M; Robson, A; Howlett, B; Blechschmidt, L; Jauker, F; Schwarzbach, F; Nesper, M; Diekotter, T; Wolters, V; Castro, H; Gaspar, H; Nault, BA; Badenhausser, I; Petersen, JD; Tschamtkke, T; Bretagnolle, V; Chan, DSW; Chacoff, N; Andersson, GKS; Jha, S; Colville, JF; Veldtman, R; Coutinho, J; Bianchi, FJJA; Sutter, L; Albrecht, M; Jeanneret, P; Zou, Y; Averill, AL; Saez, A; Sciligo, AR; Vergara, CH; Bloom, EH; Oeller, E; Badano, EI; Loeb, GM; Grab, H; Ekroos, J; Gagic, V; Cunningham, SA; Astrom, J; Cavigliasso, P; Trillo, A; Classen, A; Mauchline, AL; Montero-Castano, A; Wilby, A; Woodcock, BA; Sidhu, CS; Steffan-Dewenter, I; Vogiatzakis, IN; Herrera, JM; Otieno, M; Gikungu, MW; Cusser, SJ; Nauss, T; Nilsson, L; Knapp, J; Ortega-Marcos, JJ; Gonzalez, JA; Osborne, JL; Blanche, R; Shaw, RF; Hevia, V; Stout, J; Arthur, AD; Blochtein, B; Szentgyorgyi, H; Li, J; Mayfield, MM; Woyciechowski, M; Nunes-Silva, P; de

- Oliveira, RH; Henry, S; Simmons, BI; Dalsgaard, B; Hansen, K; Sritongchuay, T; O'Reilly, AD; Garcia, FJC; Parra, GN; Pigozo, CM; Bartomeus, I (2022). CropPol: A dynamic, open and global database on crop pollination. *ECOLOGY*, 103(3), . 10.1002/ecy.3614
- Allen, AS; Borchardt, MA; Kieke, BA; Dunfield, KE; Parker, BL (2017). Virus occurrence in private and public wells in a fractured dolostone aquifer in Canada. *HYDROGEOLOGY JOURNAL*, 25(4), 1117-1136. 10.1007/s10040-017-1557-5
- Allen, SE; Boerlin, P; Janecko, N; Lumsden, JS; Barker, IK; Pearl, DL; Reid-Smith, RJ; Jardine, C (2011). Antimicrobial Resistance in Generic Escherichia coli Isolates from Wild Small Mammals Living in Swine Farm, Residential, Landfill, and Natural Environments in Southern Ontario, Canada. *APPLIED AND ENVIRONMENTAL MICROBIOLOGY*, 77(3), 882-888. 10.1128/AEM.01111-10
- Allen, SE; Jardine, CM; Hooper-McGrevy, K; Ambagala, A; Bosco-Lauth, AM; Kunkel, MR; Mead, DG; Nituch, L; Ruder, MG; Nemeth, NM (2020). Serologic Evidence of Arthropod-Borne Virus Infections in Wild and Captive Ruminants in Ontario, Canada. *AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE*, 103(5), 2100-2107. 10.4269/ajtmh.20-0539
- Allen, SE; Ojkic, D; Jardine, CM (2014). Prevalence of Antibodies to Leptospira in Wild Mammals Trapped on Livestock Farms in Ontario, Canada. *JOURNAL OF WILDLIFE DISEASES*, 50(3), 666-670. 10.7589/2013-11-292
- Almeida, JBM; Ferreira, A; Wilton, JW; Miglior, F (2013). Estimating total economic merit for the Portuguese Holstein cattle population under new economic conditions. *ITALIAN JOURNAL OF ANIMAL SCIENCE*, 12(4), . 10.4081/ijas.2013.e86
- Alomair, M; Alomair, Y; Mahmud, S; Abdullah, HA (2015). Theoretical and Experimental Investigations of Solar-Thermoelectric Air-Conditioning System for Remote Applications. *JOURNAL OF THERMAL SCIENCE AND ENGINEERING APPLICATIONS*, 7(2), . 10.1115/1.4029678
- Alqazlan, N; Astill, J; Taha-Abdelaziz, K; Nagy, E; Bridle, B; Sharif, S (2021). Probiotic Lactobacilli Enhance Immunogenicity of an Inactivated H9N2 Influenza Virus Vaccine in Chickens. *VIRAL IMMUNOLOGY*, 34(2), 86-95. 10.1089/vim.2020.0209
- Alton, GD; Pearl, DL; Bateman, KG; McNab, WB; Berke, O (2012). Suitability of bovine portion condemnations at provincially-inspected abattoirs in Ontario Canada for food animal syndromic surveillance. *BMC VETERINARY RESEARCH*, 8(), . 10.1186/1746-6148-8-88
- Alvarenga, AB; Oliveira, HR; Chen, SY; Miller, SP; Marchant-Forde, JN; Grigoletto, L; Brito, LF (2021). A Systematic Review of Genomic Regions and Candidate Genes

Underlying Behavioral Traits in Farmed Mammals and Their Link with Human Disorders. *ANIMALS*, 11(3), . 10.3390/ani11030715

Alzaben, H; Fraser, R; Swanton, C (2019). An Inverse Correlation between Corn Temperature and Nitrogen Stress: A Field Case Study. *AGRONOMY JOURNAL*, 111(6), 3207-3219. 10.2134/agronj2019.04.0309

AlZahal, O; AlZahal, H; Steele, MA; Van Schaik, M; Kyriazakis, I; Duffield, TF; McBride, BW (2011). The use of a radiotelemetric ruminal bolus to detect body temperature changes in lactating dairy cattle. *JOURNAL OF DAIRY SCIENCE*, 94(7), 3568-3574. 10.3168/jds.2010-3944

AlZahal, O; Or-Rashid, MM; Greenwood, SL; McBride, BW (2010). Effect of subacute ruminal acidosis on milk fat concentration, yield and fatty acid profile of dairy cows receiving soybean oil. *JOURNAL OF DAIRY RESEARCH*, 77(3), 376-384. 10.1017/S0022029910000294

Ambadan, JT; Oja, M; Gedalof, Z; Berg, AA (2020). Satellite-Observed Soil Moisture as an Indicator of Wildfire Risk. *REMOTE SENSING*, 12(10), . 10.3390/rs12101543

Ambert-Sanchez, M; Mickelson, SK; Ahmed, SI; Gray, JN; Webber, D (2016). EVALUATING SOIL TILLAGE PRACTICES USING X-RAY COMPUTED TOMOGRAPHY AND CONVENTIONAL LABORATORY METHODS. *TRANSACTIONS OF THE ASABE*, 59(2), 455-463.

Ambigaipalan, P; Hoover, R; Donner, E; Liu, Q; Jaiswal, S; Chibbar, R; Nantanga, KKM; Seetharaman, K (2011). Structure of faba bean, black bean and pinto bean starches at different levels of granule organization and their physicochemical properties. *FOOD RESEARCH INTERNATIONAL*, 44(9), 2962-2974. 10.1016/j.foodres.2011.07.006

Amezcuca, MD; Pearl, DL; Friendship, RM; McNab, WB (2010). Evaluation of a veterinary-based syndromic surveillance system implemented for swine. *CANADIAN JOURNAL OF VETERINARY RESEARCH-REVUE CANADIENNE DE RECHERCHE VETERINAIRE*, 74(4), 241-250.

Amezcuca, R; Walsh, S; Luimes, PH; Friendship, RM (2014). Infrared thermography to evaluate lameness in pregnant sows. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 55(3), 268-272.

Amorim, DD; Brown, BV; Boscolo, D; Ale-Rocha, R; Alvarez-Garcia, DM; Balbi, MIPA; Barbosa, AD; Capellari, RS; de Carvalho, CJB; Couri, MS; Dios, RDP; Fachin, DA; Ferro, GB; Flores, HF; Frare, LM; Gudín, FM; Hauser, M; Lamas, CJE; Lindsay, KG; Marinho, MAT; Marques, DWA; Marshall, SA; Mello-Patiu, C; Menezes, MA; Morales, MN; Nihei, SS; Oliveira, SS; Pirani, G; Ribeiro, GC; Riccardi, PR; de Santis, MD; Santos, D; dos Santos, JR; Silva, VC; Wood, EM; Rafael, JA (2022).



Vertical stratification of insect abundance and species richness in an Amazonian tropical forest. *SCIENTIFIC REPORTS*, 12(1), . 10.1038/s41598-022-05677-y

Anderson, AM; Friis, C; Gratto-Trevor, CL; Harris, CM; Love, OP; Morrison, RIG; Prosser, SWJ; Nol, E; Smith, PA (2021). Drought at a coastal wetland affects refuelling and migration strategies of shorebirds. *OECOLOGIA*, 197(3), 661-674. 10.1007/s00442-021-05047-x

Anderson, K (2020). On Seasons of an Indigenous Feminism, Kinship, and the Program of Home Management. *HYPATIA-A JOURNAL OF FEMINIST PHILOSOPHY*, 35(1), 204-213. 10.1017/hyp.2019.10

Andow, DA; Pueppke, SG; Schaafsma, AW; Gassmann, AJ; Sappington, TW; Meinke, LJ; Mitche, PD; Hurley, TM; Hellmich, RL; Porterl, RP (2016). Early Detection and Mitigation of Resistance to Bt Maize by Western Corn Rootworm (Coleoptera: Chrysomelidae). *JOURNAL OF ECONOMIC ENTOMOLOGY*, 109(1), 1-12. 10.1093/jee/tov238

Andrachuk, M; Smit, B (2012). Community-based vulnerability assessment of Tuktoyaktuk, NWT, Canada to environmental and socio-economic changes. *REGIONAL ENVIRONMENTAL CHANGE*, 12(4), 867-885. 10.1007/s10113-012-0299-0

Andrews, N; Bennett, NJ; Le Billon, P; Green, SJ; Cisneros-Montemayor, AM; Amongin, S; Gray, NJ; Sumaila, UR (2021). Oil, fisheries and coastal communities: A review of impacts on the environment, livelihoods, space and governance. *ENERGY RESEARCH & SOCIAL SCIENCE*, 75(), . 10.1016/j.erss.2021.102009

Appuhamy, JADRN; Moraes, LE; Wagner-Riddle, C; Casper, DP; Kebreab, E (2018). Predicting manure volatile solid output of lactating dairy cows. *JOURNAL OF DAIRY SCIENCE*, 101(1), 820-829. 10.3168/jds.2017-12813

Aradanas, M; Poljak, Z; Fittipaldi, N; Ricker, N; Farzan, A (2021). Serotypes, Virulence-Associated Factors, and Antimicrobial Resistance of *Streptococcus suis* Isolates Recovered From Sick and Healthy Pigs Determined by Whole-Genome Sequencing. *FRONTIERS IN VETERINARY SCIENCE*, 8(), . 10.3389/fvets.2021.742345

Arambarri, J; Abbassi, B; Zytner, P (2019). Enhanced Removal of Phosphorus from Wastewater Using Sequential Electrocoagulation and Chemical Coagulation. *WATER AIR AND SOIL POLLUTION*, 230(12), . 10.1007/s11270-019-4367-7

Araujo, JKS; de Souza, VS; Marques, FA; Voroney, P; Souza, RAD (2016). Assessment of carbon storage under rainforests in Humic Hapludox along a climosequence extending from the Atlantic coast to the highlands of northeastern Brazil. *SCIENCE OF THE TOTAL ENVIRONMENT*, 568(), 339-349. 10.1016/j.scitotenv.2016.06.025

- Archibald, DW; McAdam, AG; Boutin, S; Fletcher, QE; Humphries, MM (2012). Within-Season Synchrony of a Masting Conifer Enhances Seed Escape. *AMERICAN NATURALIST*, 179(4), 536-544. 10.1086/664623
- Arias-Penna, DC; Whitfield, JB; Janzen, DH; Hallwachs, W; Dyer, LA; Smith, MA; Hebert, PDN; Fernandez-Triana, JL (2019). A species-level taxonomic review and host associations of Glyptapanteles (Hymenoptera, Braconidae, Microgastrinae) with an emphasis on 136 new reared species from Costa Rica and Ecuador. *ZOOKEYS*, (890), 1-685. 10.3897/zookeys.890.35786
- Arias, JZ; Reuter, T; Sabir, A; Gilroyed, BH (2018). Ambient alkaline hydrolysis and anaerobic digestion as a mortality management strategy for whole poultry carcasses. *WASTE MANAGEMENT*, 81(), 71-77. 10.1016/j.wasman.2018.09.049
- Armbrust, K; Burns, M; Crossan, AN; Fischhoff, DA; Hammond, LE; Johnston, JJ; Kennedy, I; Rose, MT; Seiber, JN; Solomon, K (2013). Perspectives on Communicating Risks of Chemicals. *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY*, 61(20), 4676-4691. 10.1021/jf305281c
- Armstrong, DP; Brooks, RJ (2013). Application of hierarchical biphasic growth models to long-term data for snapping turtles. *ECOLOGICAL MODELLING*, 250(), 119-125. 10.1016/j.ecolmodel.2012.10.022
- Arrazola, A; Mosco, E; Widowski, TM; Guerin, MT; Kiarie, EG; Torrey, S (2019). The effect of alternative feeding strategies for broiler breeder pullets: 1. Welfare and performance during rearing. *POULTRY SCIENCE*, 98(9), 3377-3390. 10.3382/ps/pez170
- Arrazola, A; Mosco, E; Widowski, TM; Guerin, MT; Kiarie, EG; Torrey, S (2020). The effect of alternative feeding strategies during rearing on the behaviour of broiler breeder pullets. *APPLIED ANIMAL BEHAVIOUR SCIENCE*, 224(), . 10.1016/j.applanim.2020.104929
- Arrazola, A; Torrey, S (2019). The development of fault bars in domestic chickens (*Gallus gallus domesticus*) increases with acute stressors and individual propensity: implications for animal welfare. *ANIMAL WELFARE*, 28(3), 279-286. 10.7120/09627286.28.3.279
- Arrazola, A; Torrey, S (2021). Welfare and performance of slower growing broiler breeders during rearing. *POULTRY SCIENCE*, 100(11), . 10.1016/j.psj.2021.101434
- Arrazola, A; Widowski, TM; Guerin, MT; Kiarie, EG; Torrey, S (2020). The effect of alternative feeding strategies on the feeding motivation of broiler breeder pullets. *ANIMAL*, 14(10), 2150-2158. 10.1017/S1751731120000993
- Arruda, AG; Friendship, R; Carpenter, J; Hand, K; Ojkic, D; Poljak, Z (2017). Investigation of the Occurrence of Porcine Reproductive and Respiratory Virus in Swine Herds Participating in an Area Regional Control and Elimination Project in

Ontario, Canada. *TRANSBOUNDARY AND EMERGING DISEASES*, 64(1), 89-100.  
10.1111/tbed.12343

Arruda, AG; Poljak, Z; Knowles, D; McLean, A (2017). Development of a stochastic agent-based model to evaluate surveillance strategies for detection of emergent porcine reproductive and respiratory syndrome strains. *BMC VETERINARY RESEARCH*, 13(), . 10.1186/s12917-017-1091-7

Arsenault, J; Berke, O; Michel, P; Ravel, A; Gosselin, P (2012). Environmental and demographic risk factors for campylobacteriosis: do various geographical scales tell the same story?. *BMC INFECTIOUS DISEASES*, 12(), . 10.1186/1471-2334-12-318

Arseneault, MH; Cline, JA (2016). A review of apple preharvest fruit drop and practices for horticultural management. *SCIENTIA HORTICULTURAE*, 211(), 40-52.  
10.1016/j.scienta.2016.08.002

Artelle, KA; Zurba, M; Bhattacharyya, J; Chan, DE; Brown, K; Housty, J; Moola, F (2019). Supporting resurgent Indigenous-led governance: A nascent mechanism for just and effective conservation. *BIOLOGICAL CONSERVATION*, 240(), .  
10.1016/j.biocon.2019.108284

Arzi, B; Webb, TL; Koch, TG; Volk, SW; Betts, DH; Watts, A; Goodrich, L; Kallos, MS; Kol, A (2021). Cell Therapy in Veterinary Medicine as a Proof-of-Concept for Human Therapies: Perspectives From the North American Veterinary Regenerative Medicine Association. *FRONTIERS IN VETERINARY SCIENCE*, 8(), .  
10.3389/fvets.2021.779109

Ashiq, W; Vasava, H; Cheema, M; Dunfield, K; Daggupati, P; Biswas, A (2021). Interactive role of topography and best management practices on N2O emissions from agricultural landscape. *SOIL & TILLAGE RESEARCH*, 212(), .  
10.1016/j.still.2021.105063

Ashiq, W; Vasava, HB; Ghimire, U; Daggupati, P; Biswas, A (2021). Topography Controls N2O Emissions Differently during Early and Late Corn Growing Season. *AGRONOMY-BASEL*, 11(1), . 10.3390/agronomy11010187

Asif, M; Randhawa, HS; Yang, RC; Navabi, A; Spaner, D (2012). Agronomic evaluation of a wheat breeding population in weed competitive organic and weed free conventional management systems. *CANADIAN JOURNAL OF PLANT SCIENCE*, 92(3), 608-609.

Asif, M; Yang, RC; Navabi, A; Iqbal, M; Kamran, A; Lara, EP; Randhawa, H; Pozniak, C; Spaner, D (2015). Mapping QTL, Selection Differentials, and the Effect of Rht-B1 under Organic and Conventionally Managed Systems in the Attila x CDC Go Spring Wheat Mapping Population. *CROP SCIENCE*, 55(3), 1129-1142.  
10.2135/cropsci2014.01.0080

- Aslam, M; Checkley, S; Avery, B; Chalmers, G; Bohaychuk, V; Gensler, G; Reid-Smith, R; Boerlin, P (2012). Phenotypic and genetic characterization of antimicrobial resistance in *Salmonella* serovars isolated from retail meats in Alberta, Canada. *FOOD MICROBIOLOGY*, 32(1), 110-117. 10.1016/j.fm.2012.04.017
- Asseng, S; Ewert, F; Martre, P; Rotter, RP; Lobell, DB; Cammarano, D; Kimball, BA; Ottman, MJ; Wall, GW; White, JW; Reynolds, MP; Alderman, PD; Prasad, PVV; Aggarwal, PK; Anothai, J; Basso, B; Biernath, C; Challinor, AJ; De Sanctis, G; Doltra, J; Fereres, E; Garcia-Vile, M; Gayler, S; Hoogenboom, G; Hunt, LA; Izaurrealde, RC; Jabloun, M; Jones, CD; Kersebaum, KC; Koehler, AK; Muller, C; Kumar, SN; Nendel, C; O'Leary, G; Olesen, JE; Palosuo, T; Priesack, E; Rezaei, EE; Ruane, AC; Semenov, MA; Shcherbak, I; Stockle, C; Stratonovitch, P; Streck, T; Supit, I; Tao, F; Thorburn, PJ; Waha, K; Wang, E; Wallach, D; Wolf, I; Zhao, Z; Zhu, Y (2015). Rising temperatures reduce global wheat production. *NATURE CLIMATE CHANGE*, 5(2), 143-147. 10.1038/NCLIMATE2470
- Astill, J; Alkie, T; Yitbarek, A; Taha-Abdelaziz, K; Bavananthasivam, J; Nagy, E; Petrik, JJ; Sharif, S (2018). Examination of the effects of virus inactivation methods on the induction of antibody- and cell-mediated immune responses against whole inactivated H9N2 avian influenza virus vaccines in chickens. *VACCINE*, 36(27), 3908-3916. 10.1016/j.vaccine.2018.05.093
- Astill, J; Dara, RA; Fraser, EDG; Roberts, B; Sharif, S (2020). Smart poultry management: Smart sensors, big data, and the internet of things. *COMPUTERS AND ELECTRONICS IN AGRICULTURE*, 170(), . 10.1016/j.compag.2020.105291
- Astill, J; Fraser, E; Dara, R; Sharif, S (2018). Detecting and Predicting Emerging Disease in Poultry With the Implementation of New Technologies and Big Data: A Focus on Avian Influenza Virus. *FRONTIERS IN VETERINARY SCIENCE*, 5(), . 10.3389/fvets.2018.00263
- Atalla, H; Wilkie, B; Gyles, C; Leslie, K; Mutharia, L; Mallard, B (2010). Antibody and cell-mediated immune responses to *Staphylococcus aureus* small colony variants and their parental strains associated with bovine mastitis. *DEVELOPMENTAL AND COMPARATIVE IMMUNOLOGY*, 34(12), 1283-1290. 10.1016/j.dci.2010.07.005
- Audette, Y; Congreves, KA; Schneider, K; Zaro, GC; Nunes, ALP; Zhang, HJ; Voroney, RP (2021). The effect of agroecosystem management on the distribution of C functional groups in soil organic matter: A review. *BIOLOGY AND FERTILITY OF SOILS*, 57(7), 881-894. 10.1007/s00374-021-01580-2
- Audette, Y; O'Halloran, IP; Evans, LJ; Martin, RC; Voroney, RP (2016). Kinetics of phosphorus forms applied as inorganic and organic amendments to a calcareous soil II: effects of plant growth on plant available and uptake phosphorus. *GEODERMA*, 279(), 70-76. 10.1016/j.geoderma.2016.06.002

- Audette, Y; O'Halloran, IP; Voroney, RP (2016). Kinetics of phosphorus forms applied as inorganic and organic amendments to a calcareous soil. *GEODERMA*, 262(), 119-124. 10.1016/j.geoderma.2015.08.021
- Audette, Y; Smith, DS; Parsons, CT; Longstaffe, J; Chen, WB; Rezanezhad, F; Evans, LJ; Van Cappellen, P (2019). Impact of Hydrofluoric Acid Treatment on Humic Acid Properties Extracted from Organic Soils and an Organic Amendment: A Technical Evaluation. *SOIL SCIENCE SOCIETY OF AMERICA JOURNAL*, 83(4), 1219-1226. 10.2136/sssaj2018.11.0419
- Audette, Y; Voroney, RP; O'Halloran, IP (2015). Comparison of the Methods for Quantifying Organic Phosphorus in Turkey Litter Compost. *SOIL SCIENCE SOCIETY OF AMERICA JOURNAL*, 79(6), 1521-1527. 10.2136/sssaj2015.04.0166
- Avgar, T; Baker, JA; Brown, GS; Hagens, JS; Kittle, AM; Mallon, EE; McGreer, MT; Mosser, A; Newmaster, SG; Patterson, BR; Reid, DEB; Rodgers, AR; Shuter, J; Street, GM; Thompson, I; Turetsky, MJ; Wiebe, PA; Fryxell, JM (2015). Space-use behaviour of woodland caribou based on a cognitive movement model. *JOURNAL OF ANIMAL ECOLOGY*, 84(4), 1059-1070. 10.1111/1365-2656.12357
- Avgar, T; Street, G; Fryxell, JM (2014). On the adaptive benefits of mammal migration. *CANADIAN JOURNAL OF ZOOLOGY*, 92(6), 481-490. 10.1139/cjz-2013-0076
- Awda, BJ; Wood, KM; Keomanivong, FE; Borowicz, PP; McBride, BW; Miller, SP; Fitzsimmons, CJ; Swanson, KC (2017). The influence of pregnancy and plane of nutrition during pregnancy on pancreatic digestive enzymes and insulin-containing cell cluster morphology in beef cows. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 97(1), 145-153. 10.1139/cjas-2015-0177
- Awuah, KF; Jegede, O; Hale, B; Siciliano, SD (2020). Introducing the Adverse Ecosystem Service Pathway as a Tool in Ecological Risk Assessment. *ENVIRONMENTAL SCIENCE & TECHNOLOGY*, 54(13), 8144-8157. 10.1021/acs.est.9b06851
- Ayalew, LE; Ahmed, KA; Mekuria, ZH; Lockerbie, B; Popowich, S; Tikoo, SK; Ojkic, D; Gomis, S (2020). The dynamics of molecular evolution of emerging avian reoviruses through accumulation of point mutations and genetic re-assortment. *VIRUS EVOLUTION*, 6(1), . 10.1093/ve/veaa025
- Ayoub, HM; McDonald, MR; Sullivan, JA; Tsao, R; Meckling, KA (2018). Proteomic Profiles of Adipose and Liver Tissues from an Animal Model of Metabolic Syndrome Fed Purple Vegetables. *NUTRIENTS*, 10(4), . 10.3390/nu10040456
- Ayres, DR; Pereira, RJ; Boligon, AA; Silva, FF; Schenkel, FS; Roso, VM; Albuquerque, LG (2013). Linear and Poisson models for genetic evaluation of tick resistance in cross-bred Hereford x Nellore cattle. *JOURNAL OF ANIMAL BREEDING AND GENETICS*, 130(6), 417-424. 10.1111/jbg.12036



- Azevedo, PA; Podemski, CL; Hesslein, RH; Kasian, SEM; Findlay, DL; Bureau, DP (2011). Estimation of waste outputs by a rainbow trout cage farm using a nutritional approach and monitoring of lake water quality. *AQUACULTURE*, 311(1-4), 175-186. 10.1016/j.aquaculture.2010.12.001
- Baek, I; Cho, BK; Gadsden, SA; Eggleton, C; Oh, M; Mo, C; Kim, MS (2019). A novel hyperspectral line-scan imaging method for whole surfaces of round shaped agricultural products. *BIOSYSTEMS ENGINEERING*, 188(), 57-66. 10.1016/j.biosystemseng.2019.09.014
- Baes, CF; Makanjuola, BO; Miglior, F; Marras, G; Howard, JT; Fleming, A; Maltecca, C (2019). Symposium review: The genomic architecture of inbreeding: How homozygosity affects health and performance. *JOURNAL OF DAIRY SCIENCE*, 102(3), 2807-2817. 10.3168/jds.2018-15520
- Baes, CF; Miglior, F; Schenkel, FS; Goddard, E; Kistemaker, G; van Staaveren, N; Cerri, R; Sirard, MAA; Stothard, P (2021). Livestock Resiliency: Concepts and Approaches. *JOURNAL OF ANIMAL SCIENCE*, 99(), 89-89.
- Baez, M; Espinosa, I; Collaud, A; Miranda, I; Montano, DD; Feria, AL; Hernandez-Fillor, RE; Obregon, D; Alfonso, P; Perreten, V (2021). Genetic Features of Extended-Spectrum beta-Lactamase-Producing Escherichia coli from Poultry in Mayabeque Province, Cuba. *ANTIBIOTICS-BASEL*, 10(2), . 10.3390/antibiotics10020107
- Bagavathiannan, MV; Julier, B; Barre, P; Gulden, RH; Van Acker, RC (2010). Genetic diversity of feral alfalfa (*Medicago sativa* L.) populations occurring in Manitoba, Canada and comparison with alfalfa cultivars: an analysis using SSR markers and phenotypic traits. *EUPHYTICA*, 173(3), 419-432. 10.1007/s10681-010-0156-5
- Bahadur, KCK; Pant, LP; Fraser, EDG; Shrestha, PK; Shrestha, D; Lama, A (2016). Assessing links between crop diversity and food self-sufficiency in three agroecological regions of Nepal. *REGIONAL ENVIRONMENTAL CHANGE*, 16(5), 1239-1251. 10.1007/s10113-015-0851-9
- Bahadur, KCK; Seng, R; Fraser, E (2019). Should I stay or should I go? Fishers' ability and willingness to adapt to environmental change in Cambodia's Tonle Sap Lake. *FISHERIES MANAGEMENT AND ECOLOGY*, 26(3), 211-223. 10.1111/fme.12341
- Bainard, LD; Klironomos, JN; Gordon, AM (2011). The mycorrhizal status and colonization of 26 tree species growing in urban and rural environments. *MYCORRHIZA*, 21(2), 91-96. 10.1007/s00572-010-0314-6
- Bainard, LD; Klironomos, JN; Hart, MM (2010). Differential effect of sample preservation methods on plant and arbuscular mycorrhizal fungal DNA. *JOURNAL OF MICROBIOLOGICAL METHODS*, 82(2), 124-130. 10.1016/j.mimet.2010.05.001
- Baird, J; Tegtmeyer, B; Arroyo, L; Stang, A; Bruggemann, Y; Hazlett, M; Steinmann, E (2020). The association of Equine Parvovirus-Hepatitis (EqPV-H) with cases of non

biologic-associated Theiler's disease on a farm in Ontario, Canada. *VETERINARY MICROBIOLOGY*, 242(), . 10.1016/j.vetmic.2019.108575

Baker-Cook, B; Torrey, S; Widowski, TM; Turner, PV; Knezacek, T; Nicholds, J; Schwean-Lardner, K (2021). The efficacy of three on-farm euthanasia methods for broiler chickens throughout the production cycle. *BRITISH POULTRY SCIENCE*, 62(5), 638-649. 10.1080/00071668.2021.1921109

Baker-Cook, BI; Torrey, S; Turner, PV; Knezacek, TD; Nicholds, J; Gomis, S; Schwean-Lardner, K (2021). Assessing the effect of water deprivation on the efficacy of on-farm euthanasia methods for broiler chickens. *BRITISH POULTRY SCIENCE*, 62(2), 157-165. 10.1080/00071668.2020.1849557

Baker, BI; Torrey, S; Widowski, TM; Turner, PV; Knezacek, TD; Nicholds, J; Crowe, TG; Schwean-Lardner, K (2019). Evaluation of carbon dioxide induction methods for the euthanasia of day-old cull broiler chicks. *POULTRY SCIENCE*, 98(5), 2043-2053. 10.3382/ps/pey581

Balasubramanian, PM; Rupert, T; Marsolais, F; Park, SJ; Navabi, A; Smith, TH; Khanal, R; Burt, AJ; Pauls, KP (2018). AAC Argosy navy dry bean. *CANADIAN JOURNAL OF PLANT SCIENCE*, 98(1), 199-202. 10.1139/cjps-2017-0176

Balasubramanian, PM; Rupert, T; Marsolais, F; Park, SJ; Navabi, A; Smith, TH; Khanal, R; Burt, AJ; Pauls, KP (2018). AAC Shock navy dry bean. *CANADIAN JOURNAL OF PLANT SCIENCE*, 98(1), 203-206. 10.1139/cjps-2017-0175

Balint, T; Chang, BP; Mohanty, AK; Misra, M (2020). Underutilized Agricultural Co-Product as a Sustainable Biofiller for Polyamide 6,6: Effect of Carbonization Temperature. *MOLECULES*, 25(6), . 10.3390/molecules25061455

Balliu, A; Zheng, YB; Sallaku, G; Fernandez, JA; Gruda, NS; Tuzel, Y (2021). Environmental and Cultivation Factors Affect the Morphology, Architecture and Performance of Root Systems in Soilless Grown Plants. *HORTICULTURAE*, 7(8), . 10.3390/horticulturae7080243

Balogianni, VG; Wilson, SD; Vaness, BM; MacDougall, AS; Pinno, BD (2014). Different Root and Shoot Responses to Mowing and Fertility in Native and Invaded Grassland. *RANGELAND ECOLOGY & MANAGEMENT*, 67(1), 39-45. 10.2111/REM-D-13-00080.1

Bamsey, M; Graham, T; Thompson, C; Berinstain, A; Scott, A; Dixon, M (2012). Ion-Specific Nutrient Management in Closed Systems: The Necessity for Ion-Selective Sensors in Terrestrial and Space-Based Agriculture and Water Management Systems. *SENSORS*, 12(10), 13349-13392. 10.3390/s121013349

Bandara, RMAS; Torrey, S; Turner, PV; zur Linden, A; Bolinder, A; Schwean-Lardner, K; Widowski, TM (2019). Efficacy of a Novel Mechanical Cervical Dislocation Device in

Comparison to Manual Cervical Dislocation in Layer Chickens. *ANIMALS*, 9(7), . 10.3390/ani9070407

Banger, K; Nafziger, ED; Wang, JM; Pittelkow, CM (2019). Modeling Inorganic Soil Nitrogen Status in Maize Agroecosystems. *SOIL SCIENCE SOCIETY OF AMERICA JOURNAL*, 83(5), 1564-1574. 10.2136/sssaj2019.05.0140

Banger, K; Nasielski, J; Janovicek, K; Sulik, J; Deen, B (2020). Potential Farm-Level Economic Impact of Incorporating Environmental Costs Into Nitrogen Decision Making: A Case Study in Canadian Corn Production. *FRONTIERS IN SUSTAINABLE FOOD SYSTEMS*, 4(), . 10.3389/fsufs.2020.00096

Banger, K; Wagner-Riddle, C; Grant, BB; Smith, WN; Drury, C; Yang, JY (2020). Modifying fertilizer rate and application method reduces environmental nitrogen losses and increases corn yield in Ontario. *SCIENCE OF THE TOTAL ENVIRONMENT*, 722(), . 10.1016/j.scitotenv.2020.137851

Bannink, A; Smits, MCJ; Kebreab, E; Mills, JAN; Ellis, JL; Klop, A; France, J; Dijkstra, J (2010). Simulating the effects of grassland management and grass ensiling on methane emission from lactating cows. *JOURNAL OF AGRICULTURAL SCIENCE*, 148(), 55-72. 10.1017/S0021859609990499

Banovic, P; Diaz-Sanchez, AA; Galon, C; Foucault-Simonin, A; Simin, V; Mijatovic, D; Papic, L; Wu-Chuang, A; Obregon, D; Moutailler, S; Cabezas-Cruz, A (2021). A One Health approach to study the circulation of tick-borne pathogens: A preliminary study. *ONE HEALTH*, 13(), . 10.1016/j.onehlt.2021.100270

Barclay, P; Stoller, B (2014). Local competition sparks concerns for fairness in the ultimatum game. *BIOLOGY LETTERS*, 10(5), . 10.1098/rsbl.2014.0213

Barkema, HW; von Keyserlingk, MAG; Kastelic, JP; Lam, TJGM; Luby, C; Roy, JP; LeBlanc, SJ; Keefe, GP; Kelton, DF (2015). Invited review: Changes in the dairy industry affecting dairy cattle health and welfare. *JOURNAL OF DAIRY SCIENCE*, 98(11), 7426-7445. 10.3168/jds.2015-9377

Barlow, LA; Cecile, J; Bauch, CT; Anand, M (2014). Modelling Interactions between Forest Pest Invasions and Human Decisions Regarding Firewood Transport Restrictions. *PLOS ONE*, 9(4), . 10.1371/journal.pone.0090511

Barnes, ER; Jhala, AJ; Knezevic, SZ; Sikkema, PH; Lindquist, JL (2018). Common Ragweed (*Ambrosia artemisiifolia* L.) Interference with Soybean in Nebraska. *AGRONOMY JOURNAL*, 110(2), 646-653. 10.2134/agronj2017.09.0554

Baron, GL; Jansen, VAA; Brown, MJF; Raine, NE (2017). Pesticide reduces bumblebee colony initiation and increases probability of population extinction. *NATURE ECOLOGY & EVOLUTION*, 1(9), 1308-1316. 10.1038/s41559-017-0260-1

- Barrett, K; Kasischke, ES; McGuire, AD; Turetsky, MR; Kane, ES (2010). Modeling fire severity in black spruce stands in the Alaskan boreal forest using spectral and non-spectral geospatial data. *REMOTE SENSING OF ENVIRONMENT*, 114(7), 1494-1503. 10.1016/j.rse.2010.02.001
- Bartlewski, PM; Baby, TE; Giffin, JL (2011). Reproductive cycles in sheep. *ANIMAL REPRODUCTION SCIENCE*, 124(3-4), 259-268. 10.1016/j.anireprosci.2011.02.024
- Bartos, L; Bubenik, GA (2011). Relationships between rank-related behaviour, antler cycle timing and antler growth in deer: behavioural aspects. *ANIMAL PRODUCTION SCIENCE*, 51(4), 303-310. 10.1071/AN10195
- Bassel, LL; Kaufman, EI; Alsop, SNA; Buchan, J; Hewson, J; McCandless, EE; Tiwari, R; Sharif, S; Vulikh, K; Caswell, JL (2021). Effect of aerosolized bacterial lysate on development of naturally occurring respiratory disease in beef calves. *JOURNAL OF VETERINARY INTERNAL MEDICINE*, 35(1), 655-665. 10.1111/jvim.16032
- Bassel, LL; Kaufman, EI; Alsop, SNA; Stinson, KJ; Hewson, J; Sharif, S; Vulikh, K; Siracusa, L; Clark, ME; Caswell, JL (2019). Development of an aerosolized *Mannheimia haemolytica* experimental pneumonia model in clean-catch colostrum-deprived calves. *VETERINARY MICROBIOLOGY*, 234(), 34-43. 10.1016/j.vetmic.2019.05.012
- Bassel, LL; Tabatabaei, S; Caswell, JL (2020). Host Tolerance to Infection with the Bacteria that Cause Bovine Respiratory Disease. *VETERINARY CLINICS OF NORTH AMERICA-FOOD ANIMAL PRACTICE*, 36(2), 349-+. 10.1016/j.cvfa.2020.03.003
- Baucas, MJ; Spachos, P; Gregori, S (2021). Internet-of-Things Devices and Assistive Technologies for Health Care: Applications, Challenges, and Opportunities. *IEEE SIGNAL PROCESSING MAGAZINE*, 38(4), 65-77. 10.1109/MSP.2021.3075929
- Baulch, H; Whitfield, C; Wolfe, J; Basu, N; Bedard-Haughn, A; Belcher, K; Clark, R; Ferguson, G; Hayashi, M; Ireson, A; Lloyd-Smith, P; Loring, P; Pomeroy, JW; Shook, K; Spence, C (2021). Synthesis of science: findings on Canadian Prairie wetland drainage. *CANADIAN WATER RESOURCES JOURNAL*, 46(4), 229-241. 10.1080/07011784.2021.1973911
- Bauman, CA; Jones-Bitton, A; Jansen, J; Kelton, D; Menzies, P (2019). Evaluation of bulk tank milk PCR and bulk tank milk modified ELISA tests for the detection of paratuberculosis at the herd level in goat and sheep dairies in Ontario, Canada. *JOURNAL OF DAIRY SCIENCE*, 102(1), 511-520. 10.3168/jds.2018-15020
- Bauman, CA; Jones-Bitton, A; Jansen, J; Kelton, D; Menzies, P (2016). Evaluation of fecal culture and fecal RT-PCR to detect *Mycobacterium avium* ssp paratuberculosis fecal shedding in dairy goats and dairy sheep using latent class

Bayesian modeling. *BMC VETERINARY RESEARCH*, 12(), . 10.1186/s12917-016-0814-5

Bauman, CA; Jones-Bitton, A; Menzies, P; Jansen, J; Kelton, D (2016). Paratuberculosis on small ruminant dairy farms in Ontario, Canada: A survey of management practices. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 57(5), 525-532.

Bauman, CA; Jones-Bitton, A; Menzies, P; Toft, N; Jansen, J; Kelton, D (2016). Prevalence of paratuberculosis in the dairy goat and dairy sheep industries in Ontario, Canada. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 57(2), 169-175.

Baxter, M; Bedecarrats, GY (2019). Evaluation of the Impact of Light Source on Reproductive Parameters in Laying Hens Housed in Individual Cages. *JOURNAL OF POULTRY SCIENCE*, 56(2), 148-158. 10.2141/jpsa.0180054

Baxter, RE; Calvert, KE (2017). Estimating Available Abandoned Cropland in the United States: Possibilities for Energy Crop Production. *ANNALS OF THE AMERICAN ASSOCIATION OF GEOGRAPHERS*, 107(5), 1162-1178. 10.1080/24694452.2017.1298985

Bayly, NJ; Norris, DR; Taylor, PD; Hobson, KA; Morales-Rozo, A (2020). There's no place like home: tropical overwintering sites may have a fundamental role in shaping migratory strategies. *ANIMAL BEHAVIOUR*, 162(), 95-104. 10.1016/j.anbehav.2020.02.003

Bayly, NJ; Rosenberg, KV; Norris, DR; Taylor, PD; Hobson, KA (2021). Rapid recovery by fat- and muscle-depleted Blackpoll Warblers following trans-oceanic migration is driven by time-minimization. *ORNITHOLOGY*, 138(4), . 10.1093/ornithology/ukab055

Beach, HM; Laing, KW; Van De Walle, M; Martin, RC (2018). The Current State and Future Directions of Organic No-Till Farming with Cover Crops in Canada, with Case Study Support. *SUSTAINABILITY*, 10(2), . 10.3390/su10020373

Bean-Hodgins, L; Kiarie, EG (2021). Mandated restrictions on the use of medically important antibiotics in broiler chicken production in Canada: implications, emerging challenges, and opportunities for bolstering gastrointestinal function and health - a review. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 101(4), 602-629. 10.1139/cjas-2021-0015

Beckie, HJ; Sikkema, PH; Soltani, N; Blackshaw, RE; Johnson, EN (2014). Environmental Impact of Glyphosate-Resistant Weeds in Canada. *WEED SCIENCE*, 62(2), 385-392. 10.1614/WS-D-13-00093.1

Beckie, HJ; Tardif, FJ (2012). Herbicide cross resistance in weeds. *CROP PROTECTION*, 35(), 15-28. 10.1016/j.cropro.2011.12.018



- Bedecarrats, GY; Baxter, M; Sparling, B (2016). An updated model to describe the neuroendocrine control of reproduction in chickens. *GENERAL AND COMPARATIVE ENDOCRINOLOGY*, 227(), 58-63. 10.1016/j.ygcen.2015.09.023
- Bedford, A; Yu, H; Hernandez, M; Squires, EJ; Leeson, S; Gong, J (2018). Effects of fatty acid glyceride product SILOhealth 104 on the growth performance and carcass composition of broiler chickens. *POULTRY SCIENCE*, 97(4), 1315-1323. 10.3382/ps/pex440
- Bedford, A; Yu, H; Squires, EJ; Leeson, S; Gong, J (2017). Effects of supplementation level and feeding schedule of butyrate glycerides on the growth performance and carcass composition of broiler chickens. *POULTRY SCIENCE*, 96(9), 3221-3228. 10.3382/ps/pex098
- Behkami, S; Gholami, R; Gholami, M; Roohparvar, R (2020). Precipitation isotopic information: A tool for building the data base to verify milk geographical origin traceability. *FOOD CONTROL*, 107(), . 10.1016/j.foodcont.2019.106780
- Bejan, D; Graham, T; Bunce, NJ (2013). Chemical methods for the remediation of ammonia in poultry rearing facilities: A review. *BIOSYSTEMS ENGINEERING*, 115(3), 230-243. 10.1016/j.biosystemseng.2013.03.003
- Belage, E; Croyle, SL; Jones-Bitton, A; Dufour, S; Kelton, DF (2019). A qualitative study of Ontario dairy farmer attitudes and perceptions toward implementing recommended milking practices. *JOURNAL OF DAIRY SCIENCE*, 102(10), 9548-9557. 10.3168/jds.2018-15677
- Belfry, KD; Trueman, C; Vyn, RJ; Loewen, SA; Van Eerd, LL (2017). Winter cover crops on processing tomato yield, quality, pest pressure, nitrogen availability, and profit margins. *PLOS ONE*, 12(7), . 10.1371/journal.pone.0180500
- Bell, FW; Dacosta, J; Newmaster, SG; Mallik, A; Hunt, S; Anand, M; Maloles, J; Peng, CH; Parton, J; McLaughlin, J; Winters, J; Wester, M; Shaw, M (2017). The NEBIE plot network: Highlights of long-term scientific studies. *FORESTRY CHRONICLE*, 93(2), 122-137. 10.5558/tfc2017-019
- Bellemare, MF; Lee, YN; Just, DR (2020). Producer Attitudes Toward Output Price Risk: Experimental Evidence from the Lab and from the Field. *AMERICAN JOURNAL OF AGRICULTURAL ECONOMICS*, 102(3), 806-825. 10.1002/ajae.12004
- Bellemare, MF; Lee, YN; Novak, L (2021). Contract farming as partial insurance. *WORLD DEVELOPMENT*, 140(), . 10.1016/j.worlddev.2020.105274
- Bennett, EM; Baird, J; Baulch, H; Chaplin-Kramer, R; Fraser, E; Loring, P; Morrison, P; Parrott, L; Sherren, K; Winkler, KJ; Cimon-Morin, J; Fortin, MJ; Kurylyk, BL; Lundholm, J; Poulin, M; Rieb, JT; Gonzalez, A; Hickey, GM; Humphries, M; Bahadur, KCK; Lapen, D (2021). Ecosystem services and the resilience of

- agricultural landscapes. *FUTURE OF AGRICULTURAL LANDSCAPES, PT II*, 64(), 1-43. 10.1016/bs.aecr.2021.01.001
- Bennett, JA; Maherali, H; Reinhart, KO; Lekberg, Y; Hart, MM; Klironomos, J (2017). Plant-soil feedbacks and mycorrhizal type influence temperate forest population dynamics. *SCIENCE*, 355(6321), 181-+. 10.1126/science.aai8212
- Benscoter, BW; Thompson, DK; Waddington, JM; Flannigan, MD; Wotton, BM; de Groot, WJ; Turetsky, MR (2011). Interactive effects of vegetation, soil moisture and bulk density on depth of burning of thick organic soils. *INTERNATIONAL JOURNAL OF WILDLAND FIRE*, 20(3), 418-429. 10.1071/WF08183
- Benyam, A; Soma, T; Fraser, E (2021). Digital agricultural technologies for food loss and waste prevention and reduction: Global trends, adoption opportunities and barriers. *JOURNAL OF CLEANER PRODUCTION*, 323(), . 10.1016/j.jclepro.2021.129099
- Berthiaume, R; Lafreniere, C; Girard, C; Campbell, CP; Pivotto, LM; Mandell, IB (2015). Effects of forage silage species on yearling growth performance, carcass and meat quality, and nutrient composition in a forage based beef production system. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 95(2), 173-187. 10.4141/CJAS-2014-107
- Bertolo, RF; Hentges, E; Makarchuk, MJ; Wiggins, AKA; Steele, H; Levin, J; Grantham, A; Gramlich, L; Ma, DWL (2018). Key attributes of global partnerships in food and nutrition to align research agendas and improve public health. *APPLIED PHYSIOLOGY NUTRITION AND METABOLISM*, 43(7), 755-758. 10.1139/apnm-2017-0715
- Betteridge, KJ; Waelchli, RO; Christie, HL; Raeside, JI; Quinn, BA; Hayes, MA (2012). Relationship between the timing of prostaglandin-induced luteolysis and effects on the conceptus during early pregnancy in mares. *REPRODUCTION FERTILITY AND DEVELOPMENT*, 24(3), 411-424. 10.1071/RD11132
- Bhatt, A; Abbassi, B (2021). Review of environmental performance of sheep farming using life cycle assessment. *JOURNAL OF CLEANER PRODUCTION*, 293(), . 10.1016/j.jclepro.2021.126192
- Bhuiyan, HAKM; McNairn, H; Powers, J; Friesen, M; Pacheco, A; Jackson, TJ; Cosh, MH; Colliander, A; Berg, A; Rowlandson, T; Bullock, P; Magagi, R (2018). Assessing SMAP Soil Moisture Scaling and Retrieval in the Carman (Canada) Study Site. *VADOSE ZONE JOURNAL*, 17(1), . 10.2136/vzj2018.07.0132
- Birkel, P; Bharwani, A; Kjaer, JB; Kunze, W; McBride, P; Forsythe, P; Harlander-Matuschek, A (2018). Differences in cecal microbiome of selected high and low feather-pecking laying hens. *POULTRY SCIENCE*, 97(9), 3009-3014. 10.3382/ps/pey167

- Birkel, P; Chow, J; Forsythe, P; Gostner, JM; Kjaer, JB; Kunze, WA; McBride, P; Fuchs, D; Harlander-Matauschek, A (2019). The Role of Tryptophan-Kynurenine in Feather Pecking in Domestic Chicken Lines. *FRONTIERS IN VETERINARY SCIENCE*, 6(), . 10.3389/fvets.2019.00209
- Bishop-Williams, KE; Berke, O; Pearl, DL; Hand, K; Kelton, DF (2015). Heat stress related dairy cow mortality during heat waves and control periods in rural Southern Ontario from 2010-2012. *BMC VETERINARY RESEARCH*, 11(), . 10.1186/s12917-015-0607-2
- Bishop-Williams, KE; Berke, O; Pearl, DL; Kelton, DF (2016). Mapping rural community and dairy cow heat stress in Southern Ontario: A common geographic pattern from 2010 to 2012. *ARCHIVES OF ENVIRONMENTAL & OCCUPATIONAL HEALTH*, 71(4), 199-207. 10.1080/19338244.2015.1058235
- Bishop-Williams, KE; Sargeant, JM; Berrang-Ford, L; Edge, VL; Cunsolo, A; Harper, SL (2017). A protocol for a systematic literature review: comparing the impact of seasonal and meteorological parameters on acute respiratory infections in Indigenous and non-Indigenous peoples. *SYSTEMATIC REVIEWS*, 6(), . 10.1186/s13643-016-0399-x
- Bishop, CA; Ashpole, SL; Edwards, AM; van Aggelen, G; Elliott, JE (2010). HATCHING SUCCESS AND PESTICIDE EXPOSURES IN AMPHIBIANS LIVING IN AGRICULTURAL HABITATS OF THE SOUTH OKANAGAN VALLEY, BRITISH COLUMBIA, CANADA (2004-2006). *ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY*, 29(7), 1593-1603. 10.1002/etc.202
- Bissonnette, N; Marete, A; Kelton, D; Schenkel, F; Ibeagha-Awemu, EM; Fecteau, G; Miglior, F (2020). Conditional GWAS using sequence-based genotypes for susceptibility to Mycobacterium avium subsp paratuberculosis infection in Canadian Holstein. *JOURNAL OF ANIMAL SCIENCE*, 98(), 17-17. 10.1093/jas/skaa278.032
- Black, K; McBean, E (2017). Analysis of challenges and opportunities to meaningful Indigenous engagement in sustainable water and wastewater management. *WATER POLICY*, 19(4), 709-723. 10.2166/wp.2017.078
- Black, K; McBean, E (2017). Indigenous water, Indigenous voice - a national water strategy for Canada's Indigenous communities. *CANADIAN WATER RESOURCES JOURNAL*, 42(3), 248-257. 10.1080/07011784.2017.1333044
- Boaitey, A; Goddard, E; Hailu, G (2018). Conserving Biodiversity in Farm Animals: Do Farmer and Public Biodiversity Knowledge and Awareness Matter?. *SOCIETY & NATURAL RESOURCES*, 31(8), 960-976. 10.1080/08941920.2018.1450912
- Boareki, MN; Schenkel, FS; Willoughby, O; Suarez-Vega, A; Kennedy, D; Canovas, A (2021). Comparison between methods for measuring fecal egg count and

estimating genetic parameters for gastrointestinal parasite resistance traits in sheep. *JOURNAL OF ANIMAL SCIENCE*, 99(12), . 10.1093/jas/skab341

- Bobak, C; Kunze, H (2017). An Inverse Problem for a Mathematical Model of Aquaponic Agriculture. *ICNPAA 2016 WORLD CONGRESS: 11TH INTERNATIONAL CONFERENCE ON MATHEMATICAL PROBLEMS IN ENGINEERING, AEROSPACE AND SCIENCES*, 1798(), . 10.1063/1.4975642
- Bogart, JP (2019). A family study to examine clonal diversity in unisexual salamanders (genus *Ambystoma*). *GENOME*, 62(8), 549-561. 10.1139/gen-2019-0034
- Bonada, A; Amoroso, M; Gedalof, Z (2022). THE FIRST NETWORK OF TREE-RING CHRONOLOGIES FOR CO-OCCURRING *NOTHOFAGUS NERVOSA* AND *NOTHOFAGUS OBLIQUA* ALONG A PRECIPITATION GRADIENT IN PATAGONIA, ARGENTINA. *TREE-RING RESEARCH*, 78(1), 1-12. 10.3959/TRR2021-8
- Bonadies, S; Smith, N; Niewoehner, N; Lee, AS; Lefcourt, AM; Gadsden, SA (2018). Development of Proportional-Integral-Derivative and Fuzzy Control Strategies for Navigation in Agricultural Environments. *JOURNAL OF DYNAMIC SYSTEMS MEASUREMENT AND CONTROL-TRANSACTIONS OF THE ASME*, 140(6), . 10.1115/1.4038504
- Bondo, KJ; Pearl, DL; Janecko, N; Boerlin, P; Reid-Smith, RJ; Parmley, J; Jardine, CM (2016). Impact of Season, Demographic and Environmental Factors on Salmonella Occurrence in Raccoons (*Procyon lotor*) from Swine Farms and Conservation Areas in Southern Ontario. *PLOS ONE*, 11(9), . 10.1371/journal.pone.0161497
- Bondo, KJ; Pearl, DL; Janecko, N; Boerlin, P; Reid-Smith, RJ; Parmley, J; Jardine, CM (2016). Epidemiology of Antimicrobial Resistance in *Escherichia coli* Isolates from Raccoons (*Procyon lotor*) and the Environment on Swine Farms and Conservation Areas in Southern Ontario. *PLOS ONE*, 11(11), . 10.1371/journal.pone.0165303
- Bondo, KJ; Pearl, DL; Janecko, N; Boerlin, P; Reid-Smith, RJ; Parmley, J; Jardine, CM (2016). Epidemiology of Salmonella on the Paws and in the Faeces of Free-Ranging Raccoons (*Procyon Lotor*) in Southern Ontario, Canada. *ZOOZOSES AND PUBLIC HEALTH*, 63(4), 303-310. 10.1111/zph.12232
- Bonham, S; Misra, M; Mohanty, AK (2011). Effect of Co-Rotation and Counter-Rotation Extrusion Processing on the Thermal and Mechanical Properties, and Morphology of Plasticized Soy Protein Isolate and Poly(butylene succinate) Blends. *MACROMOLECULAR MATERIALS AND ENGINEERING*, 296(9), 788-801. 10.1002/mame.201000404
- Bonnell, J (2011). An Intimate Understanding of Place: Charles Sauriol and Toronto's Don River Valley, 1927-1989. *CANADIAN HISTORICAL REVIEW*, 92(4), 607-636. 10.3138/chr.92.4.607

- Bonnell, J (2013). Wet Prairie: People, Land, and Water in Agricultural Manitoba. *HISTOIRE SOCIALE-SOCIAL HISTORY*, 46(91), 223-225.
- Boodhoo, N; Shojadoost, B; Alizadeh, M; Kulkarni, RR; Sharif, S (2022). Ex Vivo Differential Responsiveness to *Clostridium perfringens* and *Lactococcus lactis* by Avian Small Intestine Macrophages and T Cells. *FRONTIERS IN IMMUNOLOGY*, 13(), . 10.3389/fimmu.2022.807343
- Borden, KA; Mafa-Attoye, TG; Dunfield, KE; Thevathasan, NV; Gordon, AM; Isaac, ME (2021). Root Functional Trait and Soil Microbial Coordination: Implications for Soil Respiration in Riparian Agroecosystems. *FRONTIERS IN PLANT SCIENCE*, 12(), . 10.3389/fpls.2021.681113
- Borges, D; Guzman-Novoa, E; Goodwin, PH (2020). Control of the microsporidian parasite *Nosema ceranae* in honey bees (*Apis mellifera*) using nutraceutical and immuno-stimulatory compounds. *PLOS ONE*, 15(1), . 10.1371/journal.pone.0227484
- Bosman, AL; Loest, D; Carson, CA; Agunos, A; Colineau, L; Leger, DF (2019). Developing Canadian Defined Daily Doses for Animals: A Metric to Quantify Antimicrobial Use. *FRONTIERS IN VETERINARY SCIENCE*, 6(), . 10.3389/fvets.2019.00220
- Bouchouar, E; Hetman, BM; Hanley, B (2021). Development and validation of an automated emergency department-based syndromic surveillance system to enhance public health surveillance in Yukon: a lower-resourced and remote setting. *BMC PUBLIC HEALTH*, 21(1), . 10.1186/s12889-021-11132-w
- Bouffard, V; de Passille, AM; Rushen, J; Vasseur, E; Nash, CGR; Haley, DB; Pellerin, D (2017). Effect of following recommendations for tiestall configuration on neck and leg lesions, lameness, cleanliness, and lying time in dairy cows. *JOURNAL OF DAIRY SCIENCE*, 100(4), 2935-2943. 10.3168/jds.2016-11842
- Bourgon, SL; de Amorim, MD; Miller, SP; Montanholi, YR (2017). Associations of blood parameters with age, feed efficiency and sampling routine in young beef bulls. *LIVESTOCK SCIENCE*, 195(), 27-37. 10.1016/j.livsci.2016.11.003
- Bourne, JE; Ginis, KAM; Buchholz, AC; Schmidtke, S; Jung, ME (2021). Increasing dietary calcium intake of children and their parents: a randomised controlled trial. *PUBLIC HEALTH NUTRITION*, 24(10), 3075-3086. 10.1017/S1368980021001087
- Boutillier, L; Jamieson, R; Gordon, R; Lake, C (2011). Modeling E.coli fate and transport in treatment wetlands using the water quality analysis and simulation program. *JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING*, 46(7), 680-691. 10.1080/10934529.2011.571576



- Boutilier, L; Jamieson, R; Gordon, R; Lake, C; Hart, W (2010). Performance of Surface-Flow Domestic Wastewater Treatment Wetlands. *WETLANDS*, 30(4), 795-804. 10.1007/s13157-010-0067-1
- Bovey, KE; Widowski, TM; Dewey, CE; Devillers, N; Farmer, C; Lessard, M; Torrey, S (2014). The effect of birth weight and age at tail docking and ear notching on the behavioral and physiological responses of piglets. *JOURNAL OF ANIMAL SCIENCE*, 92(4), 1718-1727. 10.2527/jas.2013-7063
- Bradshaw, B; Jones, J (2016). Addressing historical legacies in the assessment of resource development: why it matters for indigenous well-being. *INTERNATIONAL JOURNAL OF CIRCUMPOLAR HEALTH*, 75(), 66-66.
- Braga, F (2011). Enterprise Risk Management at Top Agro Inc.. *INTERNATIONAL FOOD AND AGRIBUSINESS MANAGEMENT REVIEW*, 14(1), 93-104.
- Brajon, S; Laforest, JP; Bergeron, R; Tallet, C; Devillers, N (2015). The perception of humans by piglets: recognition of familiar handlers and generalisation to unfamiliar humans. *ANIMAL COGNITION*, 18(6), 1299-1316. 10.1007/s10071-015-0900-2
- Brankston, G; Boughen, C; Ng, V; Fisman, DN; Sergeant, JM; Greer, AL (2018). Assessing the impact of environmental exposures and Cryptosporidium infection in cattle on human incidence of cryptosporidiosis in Southwestern Ontario, Canada. *PLOS ONE*, 13(4), . 10.1371/journal.pone.0196573
- Brar, MS; Shi, M; Ge, L; Carman, S; Murtaugh, MP; Leung, FCC (2011). Porcine reproductive and respiratory syndrome virus in Ontario, Canada 1999 to 2010: genetic diversity and restriction fragment length polymorphisms. *JOURNAL OF GENERAL VIROLOGY*, 92(), 1391-1397. 10.1099/vir.0.030155-0
- Breen, SPW; Loring, PA; Baulch, H (2018). When a Water Problem Is More Than a Water Problem: Fragmentation, Framing, and the Case of Agricultural Wetland Drainage. *FRONTIERS IN ENVIRONMENTAL SCIENCE*, 6(), . 10.3389/fenvs.2018.00129
- Brigido, C; van Tuinen, D; Brito, I; Alho, L; Goss, MJ; Carvalho, M (2017). Management of the biological diversity of AM fungi by combination of host plant succession and integrity of extraradical mycelium. *SOIL BIOLOGY & BIOCHEMISTRY*, 112(), 237-247. 10.1016/j.soilbio.2017.05.018
- Brisbin, JT; Gong, J; Orouji, S; Esufali, J; Mallick, AI; Parvizi, P; Shewen, PE; Sharif, S (2011). Oral Treatment of Chickens with Lactobacilli Influences Elicitation of Immune Responses. *CLINICAL AND VACCINE IMMUNOLOGY*, 18(9), 1447-1455. 10.1128/CVI.05100-11
- Brito, I; Carvalho, M; Goss, MJ (2021). Managing the functional diversity of arbuscular mycorrhizal fungi for the sustainable intensification of crop production. *PLANTS PEOPLE PLANET*, 3(5), 491-505. 10.1002/ppp3.10212

- Brito, I; Goss, MJ; de Carvalho, M (2012). Effect of tillage and crop on arbuscular mycorrhiza colonization of winter wheat and triticale under Mediterranean conditions. *SOIL USE AND MANAGEMENT*, 28(2), 202-208. 10.1111/j.1475-2743.2012.00404.x
- Brito, LF; McEwan, JC; Miller, SP; Pickering, NK; Bain, WE; Dodds, KG; Schenkel, FS; Clarke, SM (2017). Genetic diversity of a New Zealand multi-breed sheep population and composite breeds' history revealed by a high-density SNP chip. *BMC GENETICS*, 18(), . 10.1186/s12863-017-0492-8
- Brito, LF; Oliveira, HR; Chud, TCS; Seymour, DJ; Miglior, F; Schenkel, FS (2019). Breeding Dairy Cattle for Improved Feed Efficiency: An Overview. *TRI-STATE DAIRY NUTRITION CONFERENCE, 28TH, 2019*, (), 101-113.
- Brito, LF; Oliveira, HR; Houlahan, K; Fonseca, PAS; Lam, S; Butty, AM; Seymour, DJ; Vargas, G; Chud, TCS; Silva, FF; Baes, CF; Canovas, A; Miglior, F; Schenkel, FS (2020). Genetic mechanisms underlying feed utilization and implementation of genomic selection for improved feed efficiency in dairy cattle. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 100(4), 587-604. 10.1139/cjas-2019-0193
- Broadbent, AAD; Firn, J; McGree, JM; Borer, ET; Buckley, YM; Harpole, WS; Komatsu, KJ; MacDougall, AS; Orwin, KH; Ostle, NJ; Seabloom, EW; Bakker, JD; Biederman, L; Caldeira, MC; Eisenhauer, N; Hagenah, N; Hautier, Y; Moore, JL; Nogueira, C; Peri, PL; Risch, AC; Roscher, C; Schuetz, M; Stevens, CJ (2020). Dominant native and non-native graminoids differ in key leaf traits irrespective of nutrient availability. *GLOBAL ECOLOGY AND BIOGEOGRAPHY*, 29(7), 1126-1138. 10.1111/geb.13092
- Brown, LJ; Taleban, V; Gharabaghi, B; Weiss, L (2011). Seasonal and spatial distribution patterns of atmospheric phosphorus deposition to Lake Simcoe, ON. *JOURNAL OF GREAT LAKES RESEARCH*, 37(), 15-25. 10.1016/j.jglr.2011.01.004
- Brown, MI; Pearce, T; Leon, J; Sidle, R; Wilson, R (2018). Using remote sensing and traditional ecological knowledge (TEK) to understand mangrove change on the Maroochy River, Queensland, Australia. *APPLIED GEOGRAPHY*, 94(), 71-83. 10.1016/j.apgeog.2018.03.006
- Brown, S; Wagner-Riddle, C; Debruyn, Z; Jordan, S; Berg, A; Ambadan, JT; Congreves, KA; Machado, PVF (2021). Assessing variability of soil water balance components measured at a new lysimeter facility dedicated to the study of soil ecosystem services. *JOURNAL OF HYDROLOGY*, 603(), . 10.1016/j.jhydrol.2021.127037
- Browne, D; Levison, J; Limay-Rios, V; Novakowski, K; Schaafsma, A (2021). Neonicotinoids in groundwater: presence and fate in two distinct hydrogeologic settings in Ontario, Canada. *HYDROGEOLOGY JOURNAL*, 29(2), 651-666. 10.1007/s10040-020-02250-7

- Bruce, RW; Grainger, CM; Ficht, A; Eskandari, M; Rajcan, I (2019). Trends in Soybean Trait Improvement over Generations of Selective Breeding. *CROP SCIENCE*, 59(5), 1870-1879. 10.2135/cropsci2018.11.0664
- Bruinje, TC; Rosadiuk, JP; Moslemipur, F; Sauerwein, H; Steele, MA; Ambrose, DJ (2021). Differing planes of pre- and postweaning phase nutrition in Holstein heifers: II . Effects on circulating leptin, luteinizing hormone, and age at puberty. *JOURNAL OF DAIRY SCIENCE*, 104(1), 1153-1163. 10.3168/jds.2020-18810
- Brunke, AJ; Klimaszewski, J; Dorval, JA; Bourdon, C; Paiero, SM; Marshall, SA (2012). New species and distributional records of Aleocharinae (Coleoptera, Staphylinidae) from Ontario, Canada, with a checklist of recorded species. *ZOOKEYS*, (186), 119-206. 10.3897/zookeys.186.2947
- Brunke, AJ; O'Keefe, L; Bahlai, CA; Sears, MK; Hallett, RH (2012). Guilty by association: an evaluation of millipedes as pests of carrot and sweet potato. *JOURNAL OF APPLIED ENTOMOLOGY*, 136(10), 772-780. 10.1111/j.1439-0418.2012.01708.x
- Bruulsema, TW; Mullen, RW; O'Halloran, IP; Warncke, DD (2011). Agricultural phosphorus balance trends in Ontario, Michigan and Ohio. *CANADIAN JOURNAL OF SOIL SCIENCE*, 91(3), 437-442. 10.4141/CJSS10002
- Bucher, O; Farrar, AM; Totton, SC; Wilkins, W; Waddell, LA; Wilhelm, BJ; McEwen, SA; Fazil, A; Rajic, A (2012). A systematic review-meta-analysis of chilling interventions and a meta-regression of various processing interventions for Salmonella contamination of chicken. *PREVENTIVE VETERINARY MEDICINE*, 103(1), 1-15. 10.1016/j.prevetmed.2011.09.017
- Bucher, O; Fazil, A; Rajic, A; Farrar, A; Wills, R; McEwen, SA (2012). Evaluating interventions against Salmonella in broiler chickens: applying synthesis research in support of quantitative exposure assessment. *EPIDEMIOLOGY AND INFECTION*, 140(5), 925-945. 10.1017/S0950268811001373
- Bucher, O; Rajic, A; Waddell, LA; Greig, J; McEwen, SA (2012). Do any spray or dip treatments, applied on broiler chicken carcasses or carcass parts, reduce Salmonella spp. prevalence and/or concentration during primary processing? A systematic review-meta-analysis. *FOOD CONTROL*, 27(2), 351-361. 10.1016/j.foodcont.2012.04.004
- Bunnefeld, N; Borger, L; van Moorter, B; Rolandsen, CM; Dettki, H; Solberg, EJ; Ericsson, G (2011). A model-driven approach to quantify migration patterns: individual, regional and yearly differences. *JOURNAL OF ANIMAL ECOLOGY*, 80(2), 466-476. 10.1111/j.1365-2656.2010.01776.x
- Burlakoti, RR; Tamburic-Ilincic, L; Limay-Rios, V; Burlakoti, P (2017). Comparative population structure and trichothecene mycotoxin profiling of Fusarium

graminearum from corn and wheat in Ontario, central Canada. *PLANT PATHOLOGY*, 66(1), 14-27. 10.1111/ppa.12559

Burns, TE; Guerin, MT; Kelton, D; Ribble, C; Stephen, C (2011). On-farm Study of Human Contact Networks to Document Potential Pathways for Avian Influenza Transmission between Commercial Poultry Farms in Ontario, Canada. *TRANSBOUNDARY AND EMERGING DISEASES*, 58(6), 510-518. 10.1111/j.1865-1682.2011.01232.x

Burns, TE; Ribble, C; McLaws, M; Kelton, D; Stephen, C (2013). Perspectives of an underrepresented stakeholder group, backyard flock owners, on poultry health and avian influenza control. *JOURNAL OF RISK RESEARCH*, 16(2), 245-260. 10.1080/13669877.2012.726244

Burns, TE; Ribble, C; Stephen, C; Kelton, D; Toews, L; Osterhold, J; Wheeler, H (2012). Use of observed wild bird activity on poultry farms and a literature review to target species as high priority for avian influenza testing in 2 regions of Canada. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 53(2), 158-166.

Burns, TT; Berg, AA; Cockburn, J; Tetlock, E (2016). Regional scale spatial and temporal variability of soil moisture in a prairie region. *HYDROLOGICAL PROCESSES*, 30(20), 3639-3649. 10.1002/hyp.10954

Burt, AJ; Grainger, CM; Shelp, BJ; Lee, EA (2011). Heterosis for carotenoid concentration and profile in maize hybrids. *GENOME*, 54(12), 993-1004. 10.1139/G11-066

Bush, A; Monk, WA; Compson, ZG; Peters, DL; Porter, TM; Shokralla, S; Wright, MTG; Hajibabaei, M; Baird, DJ (2020). DNA metabarcoding reveals metacommunity dynamics in a threatened boreal wetland wilderness. *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*, 117(15), 8539-8545. 10.1073/pnas.1918741117

Byker, HP; Soltani, N; Robinson, DE; Tardif, FJ; Lawton, MB; Sikkema, PH (2013). Control of Glyphosate-Resistant Horseweed (*Conyza canadensis*) with Dicamba Applied Preplant and Postemergence in Dicamba-Resistant Soybean. *WEED TECHNOLOGY*, 27(3), 492-496. 10.1614/WT-D-13-00023.1

Byker, HP; Soltani, N; Robinson, DE; Tardif, FJ; Lawton, MB; Sikkema, PH (2013). Occurrence of glyphosate and cloransulam resistant Canada fleabane (*Conyza canadensis* L. Cronq.) in Ontario. *CANADIAN JOURNAL OF PLANT SCIENCE*, 93(5), 851-855. 10.4141/CJPS2013-039

Byrne, AW; Kenny, K; Fogarty, U; O'Keeffe, JJ; More, SJ; McGrath, G; Teeling, M; Martin, SW; Dohoo, IR (2015). Spatial and temporal analyses of metrics of tuberculosis infection in badgers (*Meles meles*) from the Republic of Ireland:

Trends in apparent prevalence. *PREVENTIVE VETERINARY MEDICINE*, 122(3), 345-354. 10.1016/j.prevetmed.2015.10.013

Bysouth, D; Finkelstein, SA (2021). Linking testate amoeba assemblages to paleohydrology and ecosystem function in Holocene peat records from the Hudson Bay Lowlands, Ontario, Canada. *HOLOCENE*, 31(3), 457-468. 10.1177/0959683620972792

Cadsby, CB; Song, F; Yang, XL (2020). Are "left-behind" children really left behind? A lab-in-field experiment concerning the impact of rural/urban status and parental migration on children's other-regarding preferences. *JOURNAL OF ECONOMIC BEHAVIOR & ORGANIZATION*, 179(), 715-728. 10.1016/j.jebo.2019.04.007

Cairns, A; Meilke, K (2012). Price Ceilings on Milk Production Quota Values: Future or Folly?. *CANADIAN JOURNAL OF AGRICULTURAL ECONOMICS-REVUE CANADIENNE D AGROECONOMIE*, 60(1), 93-112. 10.1111/j.1744-7976.2011.01233.x

Calisher, CH; Briese, T; Brister, JR; Charrel, RN; Duerwald, R; Ebihara, H; Fulhorst, CF; Gao, GF; Groschup, MH; Haddow, AD; Hyndman, TH; Junglen, S; Klempa, B; Klingstrom, J; Kropinski, AM; Krupovic, M; LaBeaud, AD; Maes, P; Nowotny, N; Nunes, MRT; Payne, SL; Radoshitzky, SR; Rubbenstroth, D; Sabanadzovic, S; Sasaya, T; Stenglein, MD; Varsani, A; Wahl, V; Weaver, SC; Zerbini, FM; Vasilakis, N; Kuhn, JH (2019). Strengthening the Interaction of the Virology Community with the International Committee on Taxonomy of Viruses (ICTV) by Linking Virus Names and Their Abbreviations to Virus Species. *SYSTEMATIC BIOLOGY*, 68(5), 828-839. 10.1093/sysbio/syy087

Cambareri, G; Drury, C; Lauzon, J; Salas, W; Wagner-Riddle, C (2017). Year-Round Nitrous Oxide Emissions as Affected by Timing and Method of Dairy Manure Application to Corn. *SOIL SCIENCE SOCIETY OF AMERICA JOURNAL*, 81(1), 166-178. 10.2136/sssaj2016.05.0160

Cambareri, G; Grant-Young, J (2018). Addressing the Conceptual Controversy of Sustainable Intensification of Agriculture: A Combined Perspective from Environmental Philosophy and Agri-Environmental Sciences. *PHILOSOPHIES*, 3(4), . 10.3390/philosophies3040037

Camela, ESC; Nociti, RP; Santos, VJC; Macente, BI; Maciel, GS; Feliciano, MAR; Vicente, WRR; Gill, I; Bartlewski, PM; Oliveira, MEF (2017). Ultrasonographic characteristics of accessory sex glands and spectral Doppler indices of the internal iliac arteries in peri-and post-pubertal Dorper rams raised in a subtropical climate. *ANIMAL REPRODUCTION SCIENCE*, 184(), 29-35. 10.1016/j.anireprosci.2017.06.010

Cammarano, D; Rotter, RP; Asseng, S; Ewert, F; Wallach, D; Martre, P; Hatfield, JL; Jones, JW; Rosenzweig, C; Ruane, AC; Boote, KJ; Thorburn, PJ; Kersebaum, KC;

- Aggarwal, PK; Angulo, C; Basso, B; Bertuzzi, P; Biernath, C; Brisson, N; Challinor, AJ; Doltra, J; Gayler, S; Goldberg, R; Heng, L; Hooker, J; Hunt, LA; Ingwersen, J; Izaurrealde, RC; Muller, C; Kumar, SN; Nendel, C; O'Leary, GJ; Olesen, JE; Osborne, TM; Palosuo, T; Priesack, E; Ripoche, D; Semenov, MA; Shcherbak, I; Steduto, P; Stockle, CO; Stratonovitch, P; Streck, T; Supit, I; Tao, F; Travasso, M; Waha, K; White, JW; Wolf, J (2016). Uncertainty of wheat water use: Simulated patterns and sensitivity to temperature and CO<sub>2</sub>. *FIELD CROPS RESEARCH*, 198(), 80-92. 10.1016/j.fcr.2016.08.015
- Campos-Flores, L; Dabrowska-Miciula, E (2018). Distress or resilience? Examining socio-spatial relations impacting the wellbeing and emotional health of seasonal agricultural migrant workers in rural Canada. *EUROPEAN JOURNAL OF PUBLIC HEALTH*, 28(), 180-181.
- Canning, P; Weersink, A; Kelly, J (2016). Farm share of the food dollar: an IO approach for the United States and Canada. *AGRICULTURAL ECONOMICS*, 47(5), 505-512. 10.1111/agec.12250
- Canuti, M; O'Leary, KE; Hunter, BD; Spearman, G; Ojkic, D; Whitney, HG; Lang, AS (2016). Driving forces behind the evolution of the Aleutian mink disease parvovirus in the context of intensive farming. *VIRUS EVOLUTION*, 2(1), . 10.1093/ve/vew004
- Cao, Y; Cranfield, J; Chen, C; Widowski, T (2021). Heterogeneous informational and attitudinal impacts on consumer preferences for eggs from welfare enhanced cage systems. *FOOD POLICY*, 99(), . 10.1016/j.foodpol.2020.101979
- Caplan, D; Dixon, M; Zheng, YB (2017). Optimal Rate of Organic Fertilizer during the Flowering Stage for Cannabis Grown in Two Coir-based Substrates. *HORTSCIENCE*, 52(12), 1796-1803. 10.21273/HORTSCI12401-17
- Capmourteres, V; Shaw, S; Miedema, L; Anand, M (2019). A complex systems framework for the sustainability doughnut. *PEOPLE AND NATURE*, 1(4), 497-506. 10.1002/pan3.10048
- Cardoso, DF; Fernandes, GA; Scalez, DCB; Alves, AAC; Magalhaes, AFB; Bresolin, T; Ventura, RV; Li, CX; Oliveira, MCD; Porto-Neto, LR; Carneiro, R; de Oliveira, HN; Tonhati, H; Albuquerque, LG (2020). Uncovering Sub-Structure and Genomic Profiles in Across-Countries Subpopulations of Angus Cattle. *SCIENTIFIC REPORTS*, 10(1), . 10.1038/s41598-020-65565-1
- Carpino, OA; Berg, AA; Quinton, WL; Adams, JR (2018). Climate change and permafrost thaw-induced boreal forest loss in northwestern Canada. *ENVIRONMENTAL RESEARCH LETTERS*, 13(8), . 10.1088/1748-9326/aad74e
- Carr, C (2012). Polychaete diversity and distribution patterns in Canadian marine waters. *MARINE BIODIVERSITY*, 42(2), 93-107. 10.1007/s12526-011-0095-y

- Carreau, R; VanAcker, S; VanderZaag, AC; Madani, A; Drizo, A; Jamieson, R; Gordon, RJ (2012). EVALUATION OF A SURFACE FLOW CONSTRUCTED WETLAND TREATING ABATTOIR WASTEWATER. *APPLIED ENGINEERING IN AGRICULTURE*, 28(5), 757-766.
- Carter, N; Dewey, C; Mutua, F; de Lange, C; Grace, D (2013). Average daily gain of local pigs on rural and peri-urban smallholder farms in two districts of Western Kenya. *TROPICAL ANIMAL HEALTH AND PRODUCTION*, 45(7), 1533-1538. 10.1007/s11250-013-0395-2
- Carter, NA; Dewey, CE; Thomas, LF; Lukuyu, B; Grace, D; de Lange, C (2016). Nutrient requirements and low-cost balanced diets, based on seasonally available local feedstuffs, for local pigs on smallholder farms in Western Kenya. *TROPICAL ANIMAL HEALTH AND PRODUCTION*, 48(2), 337-347. 10.1007/s11250-015-0957-6
- Cartwright, SL; Malchiodi, F; Thompson-Crispi, K; Miglior, F; Mallard, BA (2017). Short communication: Prevalence of digital dermatitis in Canadian dairy cattle classified as high, average, or low antibody and cell-mediated immune responders. *JOURNAL OF DAIRY SCIENCE*, 100(10), 8409-8413. 10.3168/jds.2016-12157
- Carvalho, M; Brito, I; Alho, L; Goss, MJ (2015). Assessing the progress of colonization by arbuscular mycorrhiza of four plant species under different temperature regimes. *JOURNAL OF PLANT NUTRITION AND SOIL SCIENCE*, 178(3), 515-522. 10.1002/jpln.201400303
- Casey-Trott, TM; Guerin, MT; Sandilands, V; Torrey, S; Widowski, TM (2017). Rearing system affects prevalence of keel-bone damage in laying hens: a longitudinal study of four consecutive flocks. *POULTRY SCIENCE*, 96(7), 2029-2039. 10.3382/ps/pex026
- Casey-Trott, TM; Millman, ST; Turner, PV; Nykamp, SG; Lawlis, PC; Widowski, TM (2014). Effectiveness of a nonpenetrating captive bolt for euthanasia of 3 kg to 9 kg pigs. *JOURNAL OF ANIMAL SCIENCE*, 92(11), 5166-5174. 10.2527/jas.2014-7980
- Casey-Trott, TM; Widowski, TM (2016). Behavioral Differences of Laying Hens with Fractured Keel Bones within Furnished Cages. *FRONTIERS IN VETERINARY SCIENCE*, 3(), . 10.3389/fvets.2016.00042
- Casey-Trott, TM; Widowski, TM (2018). Validation of an accelerometer to quantify inactivity in laying hens with or without keel-bone fractures. *ANIMAL WELFARE*, 27(2), 103-114. 10.7120/09627286.27.2.103
- Casler, MD; Undersander, DJ; Papadopolous, YA; Bittman, S; Hunt, D; Mathison, RD; Min, DH; Robins, JG; Cherney, JH; Acharya, SN; Belesky, DP; Bowley, SR; Coulman, BE; Drapeau, R; Ehlke, NJ; Hall, MH; Leep, RH; Michaud, R; Rowsell, J; Shewmaker, GE; Teutsch, CD; Coblentz, WK (2014). Sparse-Flowering

- Orchardgrass Represents an Improvement in Forage Quality During Reproductive Growth. *CROP SCIENCE*, 54(1), 421-429. 10.2135/cropsci2013.04.0227
- Castaneda, RA; Van Nynatten, A; Crookes, S; Ellender, BR; Heath, DD; MacIsaac, HJ; Mandrak, NE; Weyl, OLF (2020). Detecting Native Freshwater Fishes Using Novel Non-invasive Methods. *FRONTIERS IN ENVIRONMENTAL SCIENCE*, 8(), . 10.3389/fenvs.2020.00029
- Caswell, JL; Hewson, J; Slavic, D; DeLay, J; Bateman, K (2012). Laboratory and Postmortem Diagnosis of Bovine Respiratory Disease. *VETERINARY CLINICS OF NORTH AMERICA-FOOD ANIMAL PRACTICE*, 28(3), 419-+. 10.1016/j.cvfa.2012.07.004
- Cernicchiaro, N; Pearl, DL; McEwen, SA; Harpster, L; Homan, HJ; Linz, GM; LeJeune, JT (2012). Association of Wild Bird Density and Farm Management Factors with the Prevalence of E. coli O157 in Dairy Herds in Ohio (2007-2009). *ZOOZOSES AND PUBLIC HEALTH*, 59(5), 320-329. 10.1111/j.1863-2378.2012.01457.x
- Cerri, RLA; Burnett, TA; Madureira, AML; Bauer, J; Silper, BF; Polsky, LB; Kaur, M; Souto, PP; Gomes, WA; Pohler, K; Cooke, RF; LeBlanc, SJ; Vasconcelos, JLM (2019). The integration of sensor technologies to optimize reproductive management on dairy farms.. *JOURNAL OF DAIRY SCIENCE*, 102(), 79-79.
- Cerrudo, D; Page, ER; Tollenaar, M; Stewart, G; Swanton, CJ (2012). Mechanisms of Yield Loss in Maize Caused by Weed Competition. *WEED SCIENCE*, 60(2), 225-232. 10.1614/WS-D-11-00127.1
- Chahal, I; Hooker, DC; Deen, B; Janovicek, K; Van Eerd, LL (2021). Long-term effects of crop rotation, tillage, and fertilizer nitrogen on soil health indicators and crop productivity in a temperate climate. *SOIL & TILLAGE RESEARCH*, 213(), . 10.1016/j.still.2021.105121
- Chahal, I; Van Eerd, LL (2018). Evaluation of commercial soil health tests using a medium-term cover crop experiment in a humid, temperate climate. *PLANT AND SOIL*, 427(1-2), 351-367. 10.1007/s11104-018-3653-2
- Chahal, I; Van Eerd, LL (2019). Quantifying soil quality in a horticultural-cover cropping system. *GEODERMA*, 352(), 38-48. 10.1016/j.geoderma.2019.05.039
- Chahal, I; Van Eerd, LL (2021). Cover crops increase tomato productivity and reduce nitrogen losses in a temperate humid climate. *NUTRIENT CYCLING IN AGROECOSYSTEMS*, 119(2), 195-211. 10.1007/s10705-020-10105-6
- Chahal, I; Vyn, RJ; Mayers, D; Van Eerd, LL (2020). Cumulative impact of cover crops on soil carbon sequestration and profitability in a temperate humid climate. *SCIENTIFIC REPORTS*, 10(1), . 10.1038/s41598-020-70224-6



- Champagne, C; Berg, A; Belanger, J; McNairn, H; De Jeu, R (2010). Evaluation of soil moisture derived from passive microwave remote sensing over agricultural sites in Canada using ground-based soil moisture monitoring networks. *INTERNATIONAL JOURNAL OF REMOTE SENSING*, 31(14), 3669-3690.  
10.1080/01431161.2010.483485
- Champagne, EJ; Guzzo, MM; Gutgesell, MK; McCann, KS (2022). Riparian buffers maintain aquatic trophic structure in agricultural landscapes. *BIOLOGY LETTERS*, 18(3), . 10.1098/rsbl.2021.0598
- Chan, DSW; Raine, NE (2021). Population decline in a ground-nesting solitary squash bee (*Eucera pruinosa*) following exposure to a neonicotinoid insecticide treated crop (*Cucurbita pepo*). *SCIENTIFIC REPORTS*, 11(1), . 10.1038/s41598-021-83341-7
- Chan, MN; Beaudreau, AH; Loring, PA (2019). Exploring diversity in expert knowledge: variation in local ecological knowledge of Alaskan recreational and subsistence fishers. *ICES JOURNAL OF MARINE SCIENCE*, 76(4), 913-924.  
10.1093/icesjms/fsy193
- Chang, KH; Warland, J; Voroney, P; Bartlett, P; Wagner-Riddle, C (2013). Using DayCENT to Simulate Carbon Dynamics in Conventional and No-Till Agriculture. *SOIL SCIENCE SOCIETY OF AMERICA JOURNAL*, 77(3), 941-950.  
10.2136/sssaj2012.0354
- Chantre, GR; Blanco, AM; Forcella, F; Van Acker, RC; Sabbatini, MR; Gonzalez-Andujar, JL (2014). A comparative study between non-linear regression and artificial neural network approaches for modelling wild oat (*Avena fatua*) field emergence. *JOURNAL OF AGRICULTURAL SCIENCE*, 152(2), 254-262.  
10.1017/S0021859612001098
- Chapagain, T; Lee, EA; Raizada, MN (2020). The Potential of Multi-Species Mixtures to Diversify Cover Crop Benefits. *SUSTAINABILITY*, 12(5), . 10.3390/su12052058
- Chapagain, T; Pudasaini, R; Ghimire, B; Gurung, K; Choi, K; Rai, L; Magar, S; Bishnu, BK; Raizada, MN (2018). Intercropping of maize, millet, mustard, wheat and ginger increased land productivity and potential economic returns for smallholder terrace farmers in Nepal. *FIELD CROPS RESEARCH*, 227(), 91-101.  
10.1016/j.fcr.2018.07.016
- Chapinal, N; Fitzpatrick, CE; Leslie, KE; Wagner, SA (2013). Short communication: Experimentally induced mastitis reduces weight shifting between the rear legs while standing in dairy cows. *JOURNAL OF DAIRY SCIENCE*, 96(5), 3039-3043.  
10.3168/jds.2012-6397
- Chapinal, N; Koeck, A; Sewalem, A; Kelton, DF; Mason, S; Cramer, G; Miglior, F (2013). Genetic parameters for hoof lesions and their relationship with feet and leg traits in

- Canadian Holstein cows. *JOURNAL OF DAIRY SCIENCE*, 96(4), 2596-2604.  
10.3168/jds.2012-6071
- Chapinal, N; Sewalem, A; Miglior, F (2012). Short communication: Estimation of genetic parameters for gait in Canadian Holstein cows. *JOURNAL OF DAIRY SCIENCE*, 95(12), 7372-7376. 10.3168/jds.2012-5846
- Chapinal, N; Zobel, G; Painter, K; Leslie, KE (2014). Changes in lying behavior after abrupt cessation of milking and regrouping at dry-off in freestall-housed cows: A case study. *JOURNAL OF VETERINARY BEHAVIOR-CLINICAL APPLICATIONS AND RESEARCH*, 9(6), 364-369. 10.1016/j.jveb.2014.07.008
- Chapman, EJ; Cadillo-Quiroz, H; Childers, DL; Turetsky, MR; Waldrop, MP (2017). Soil microbial community composition is correlated to soil carbon processing along a boreal wetland formation gradient. *EUROPEAN JOURNAL OF SOIL BIOLOGY*, 82(), 17-26. 10.1016/j.ejsobi.2017.08.001
- Chappellaz, A; Alexander, M; Corredig, M (2010). Phase Separation Behavior of Caseins in Milk Containing Flaxseed Gum and kappa-Carrageenan: A Light-Scattering and Ultrasonic Spectroscopy Study. *FOOD BIOPHYSICS*, 5(2), 138-147. 10.1007/s11483-010-9154-3
- Chariton, AA; Sun, M; Gibson, J; Webb, JA; Leung, KMY; Hickey, CW; Hose, GC (2016). Emergent technologies and analytical approaches for understanding the effects of multiple stressors in aquatic environments. *MARINE AND FRESHWATER RESEARCH*, 67(4), 414-428. 10.1071/MF15190
- Charlebois, S; Bowdridge, E; Lemieux, JL; Somogyi, S; Music, J (2021). Supply Management 2.0: A Policy Assessment and a Possible Roadmap for the Canadian Dairy Sector. *FOODS*, 10(5), . 10.3390/foods10050964
- Charles, CV; Dewey, CE; Daniell, WE; Summerlee, AJS (2011). Iron-deficiency anaemia in rural Cambodia: community trial of a novel iron supplementation technique. *EUROPEAN JOURNAL OF PUBLIC HEALTH*, 21(1), 43-48. 10.1093/eurpub/ckp237
- Charles, CV; Dewey, CE; Hall, A; Hak, C; Charmary, S; Surnmerlee, AJS (2015). Anemia in Cambodia: a cross-sectional study of anemia, socioeconomic status and other associated risk factors in rural women. *ASIA PACIFIC JOURNAL OF CLINICAL NUTRITION*, 24(2), 253-259. 10.6133/apjcn.2015.24.2.09
- Charlton, GL; Bouffard, V; Gibbons, J; Vasseur, E; Haley, DB; Pellerin, D; Rushen, J; de Passille, AM (2016). Can automated measures of lying time help assess lameness and leg lesions on tie-stall dairy farms?. *APPLIED ANIMAL BEHAVIOUR SCIENCE*, 175(), 14-22. 10.1016/j.applanim.2015.02.011
- Chattha, KS; Firth, MA; Hodgins, DC; Shewen, PE (2010). Expression of complement receptor 2 (CD21), membrane IgM and the inhibitory receptor CD32 (Fc gamma

- RIIb) in the lymphoid tissues of neonatal calves. *VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY*, 137(1-2), 99-108. 10.1016/j.vetimm.2010.04.016
- Chattha, KS; Firth, MA; Hodgins, DC; Shewen, PE (2010). Variation in expression of membrane IgM, CD21 (CR2) and CD32 (Fc gamma RIIB) on bovine lymphocytes with age: A longitudinal study. *DEVELOPMENTAL AND COMPARATIVE IMMUNOLOGY*, 34(5), 510-517. 10.1016/j.dci.2009.12.010
- Chavardes, RD; Daniels, LD; Gedalof, Z; Andison, DW (2018). Human influences superseded climate to disrupt the 20th century fire regime in Jasper National Park, Canada. *DENDROCHRONOLOGIA*, 48(), 10-19. 10.1016/j.dendro.2018.01.002
- Chebel, RC; Ribeiro, ES (2016). Reproductive Systems for North American Dairy Cattle Herds. *VETERINARY CLINICS OF NORTH AMERICA-FOOD ANIMAL PRACTICE*, 32(2), 267-+. 10.1016/j.cvfa.2016.01.002
- Chen, H; Huang, JJ; McBean, E (2020). Partitioning of daily evapotranspiration using a modified shuttleworth-wallace model, random Forest and support vector regression, for a cabbage farmland. *AGRICULTURAL WATER MANAGEMENT*, 228(), . 10.1016/j.agwat.2019.105923
- Chen, H; Weersink, A; Kelton, D; von Massow, M (2021). Estimating milk loss based on somatic cell count at the cow and herd level. *JOURNAL OF DAIRY SCIENCE*, 104(7), 7919-7931. 10.3168/jds.2020-18517
- Chen, HB; Chang, S (2020). Dissecting methanogenesis for temperature-phased anaerobic digestion: Impact of temperature on community structure, correlation, and fate of methanogens. *BIORESOURCETECHNOLOGY*, 306(), . 10.1016/j.biortech.2020.123104
- Chen, HD; Yada, R (2011). Nanotechnologies in agriculture: New tools for sustainable development. *TRENDS IN FOOD SCIENCE & TECHNOLOGY*, 22(11), 585-594. 10.1016/j.tifs.2011.09.004
- Chen, HD; Yada, RY (2011). International Conference on Food and Agriculture Applications of Nanotechnologies, NanoAgri 2010, Sao Pedro, SP, Brazil, June 20 to 25, 2010. *TRENDS IN FOOD SCIENCE & TECHNOLOGY*, 22(11), 583-584. 10.1016/j.tifs.2011.10.007
- Chen, LD; Tian, HY; Zhang, XY; Feng, XM; Yang, WH (2012). Public attitudes and perceptions to the West-to-East Pipeline Project and ecosystem management in large project construction. *INTERNATIONAL JOURNAL OF SUSTAINABLE DEVELOPMENT AND WORLD ECOLOGY*, 19(3), 219-228. 10.1080/13504509.2011.611189
- Chen, MS; Guo, LP; Nsor-Atindana, J; Goff, HD; Zhang, WX; Mao, J; Zhong, F (2020). The effect of viscous soluble dietary fiber on nutrient digestion and metabolic

- responses I: In vitro digestion process. *FOOD HYDROCOLLOIDS*, 107(), .  
10.1016/j.foodhyd.2020.105971
- Chen, PX; Bozzo, GG; Freixas-Coutin, JA; Marcone, MF; Pauls, PK; Tang, Y; Zhang, B; Liu, RH; Tsao, R (2015). Free and conjugated phenolic compounds and their antioxidant activities in regular and non-darkening cranberry bean (*Phaseolus vulgaris* L.) seed coats. *JOURNAL OF FUNCTIONAL FOODS*, 18(), 1047-1056.  
10.1016/j.jff.2014.10.032
- Chen, WP; Liang, GJ; Li, X; He, ZY; Zeng, MM; Gao, DM; Qin, F; Goff, HD; Chen, J (2019). Impact of soy proteins, hydrolysates and monoglycerides at the oil/water interface in emulsions on interfacial properties and emulsion stability. *COLLOIDS AND SURFACES B-BIOINTERFACES*, 177(), 550-558.  
10.1016/j.colsurfb.2019.02.020
- Chen, XD; Dunfield, KE; Fraser, TD; Wakelin, SA; Richardson, AE; Condon, LM (2020). Soil biodiversity and biogeochemical function in managed ecosystems. *SOIL RESEARCH*, 58(1), 1-20. 10.1071/SR19067
- Chen, YY; Conner, RL; Gillard, CL; McLaren, DL; Boland, GJ; Balasubramanian, PM; Stasolla, C; Zhou, QX; Hwang, SF; Chang, KF; Babcock, C (2013). A quantitative real-time PCR assay for detection of *Colletotrichum lindemuthianum* in navy bean seeds. *PLANT PATHOLOGY*, 62(4), 900-907. 10.1111/j.1365-3059.2012.02692.x
- Cheng, J; Zhou, M; Nobrega, DB; Barkema, HW; Xu, SY; Li, MY; Kastelic, JP; Shi, YX; Han, B; Gao, J (2021). Genetic diversity and molecular epidemiology of outbreaks of *Klebsiella pneumoniae* mastitis on two large Chinese dairy farms. *JOURNAL OF DAIRY SCIENCE*, 104(1), 762-775. 10.3168/jds.2020-19325
- Cheng, J; Zhou, M; Nobrega, DB; Cao, ZJ; Yang, JY; Zhu, CY; Han, B; Gao, J (2021). Virulence profiles of *Klebsiella pneumoniae* isolated from 2 large dairy farms in China. *JOURNAL OF DAIRY SCIENCE*, 104(8), 9027-9036. 10.3168/jds.2020-20042
- Chesters, D; Beckschafer, P; Orr, MC; Adamowicz, SJ; Chun, KP; Zhu, CD (2019). Climatic and vegetational drivers of insect beta diversity at the continental scale. *ECOLOGY AND EVOLUTION*, 9(24), 13764-13775. 10.1002/ece3.5795
- Chew, J; Widowski, T; Herwig, E; Shynkaruk, T; Schwean-Lardner, K (2021). The effect of light intensity on the body weight, keel bone quality, tibia bone strength, and mortality of brown and white feathered egg-strain pullets reared in perchery systems. *POULTRY SCIENCE*, 100(11), . 10.1016/j.psj.2021.101464
- Choat, B; Jansen, S; Brodribb, TJ; Cochard, H; Delzon, S; Bhaskar, R; Bucci, SJ; Feild, TS; Gleason, SM; Hacke, UG; Jacobsen, AL; Lens, F; Maherali, H; Martinez-Vilalta, J; Mayr, S; Mencuccini, M; Mitchell, PJ; Nardini, A; Pittermann, J; Pratt, RB; Sperry, JS; Westoby, M; Wright, IJ; Zanne, AE (2012). Global convergence in the

vulnerability of forests to drought. *NATURE*, 491(7426), 752-+.  
10.1038/nature11688

Choi, JW; Liao, XP; Stothard, P; Chung, WH; Jeon, HJ; Miller, SP; Choi, SY; Lee, JK; Yang, B; Lee, KT; Han, KJ; Kim, HC; Jeong, D; Oh, JD; Kim, N; Kim, TH; Lee, HK; Lee, SJ (2014). Whole-Genome Analyses of Korean Native and Holstein Cattle Breeds by Massively Parallel Sequencing. *PLOS ONE*, 9(7), .  
10.1371/journal.pone.0101127

Cholette, TB; Soltani, N; Hooker, DC; Robinson, DE; Sikkema, PH (2019). Suppression of Annual Ryegrass in Corn with Nicosulfuron. *WEED TECHNOLOGY*, 33(1), 173-177. 10.1017/wet.2018.106

Choquette, JD; Macpherson, MR; Corry, RC (2020). Identifying Potential Connectivity for an Urban Population of Rattlesnakes (*Sistrurus catenatus*) in a Canadian Park System. *LAND*, 9(9), . 10.3390/land9090313

Chouychai, W; Lee, H (2012). Phytotoxicity Assay of Crop Plants to Lindane and Alpha-endosulfan Contaminants in Alkaline Thai Soil. *INTERNATIONAL JOURNAL OF AGRICULTURE AND BIOLOGY*, 14(5), 734-738.

Chowdhury, A; Odame, HH; Thompson, S; Hauser, M (2015). Enhancing farmers' capacity for botanical pesticide innovation through video-mediated learning in Bangladesh. *INTERNATIONAL JOURNAL OF AGRICULTURAL SUSTAINABILITY*, 13(4), 326-349. 10.1080/14735903.2014.997461

Christie, P; Bennett, NJ; Gray, NJ; Wilhelm, TA; Lewis, N; Parks, J; Ban, NC; Gruby, RL; Gordon, L; Day, J; Taei, S; Friedlander, AM (2017). Why people matter in ocean governance: Incorporating human dimensions into large-scale marine protected areas. *MARINE POLICY*, 84(), 273-284. 10.1016/j.marpol.2017.08.002

Chuang, SS; Glozman, J; Green, DS; Rasmi, S (2018). Parenting and Family Relationships in Chinese Families: A Critical Ecological Approach. *JOURNAL OF FAMILY THEORY & REVIEW*, 10(2), 367-383. 10.1111/jftr.12257

Churchill, AC; Turetsky, MR; McGuire, AD; Hollingsworth, TN (2015). Response of plant community structure and primary productivity to experimental drought and flooding in an Alaskan fen. *CANADIAN JOURNAL OF FOREST RESEARCH*, 45(2), 185-193. 10.1139/cjfr-2014-0100

Clare, EL; Barber, BR; Sweeney, BW; Hebert, PDN; Fenton, MB (2011). Eating local: influences of habitat on the diet of little brown bats (*Myotis lucifugus*). *MOLECULAR ECOLOGY*, 20(8), 1772-1780. 10.1111/j.1365-294X.2011.05040.x

Clark, MJ; Zheng, YB (2012). Evaluating Fertilizer Influence on Overwintering Survival and Growth of Sedum Species in a Fall-installed Green Roof. *HORTSCIENCE*, 47(12), 1775-1781. 10.21273/HORTSCI.47.12.1775

- Clark, MJ; Zheng, YB (2013). Plant Nutrition Requirements for an Installed Sedum-Vegetated Green Roof Module System: Effects of Fertilizer Rate and Type on Plant Growth and Leachate Nutrient Content. *HORTSCIENCE*, 48(9), 1173-1180. 10.21273/HORTSCI.48.9.1173
- Clark, MJ; Zheng, YB (2015). Species-specific fertilization can benefit container nursery crop production. *CANADIAN JOURNAL OF PLANT SCIENCE*, 95(2), 251-262. 10.4141/CJPS-2014-340
- Clark, MJ; Zheng, YB (2020). Fertilization Methods for Organic and Conventional Potted Blueberry Plants. *HORTSCIENCE*, 55(3), 304-309. 10.21273/HORTSCI14416-19
- Clark, SL; Ramdath, DD; King, BV; O'Connor, KE; Aliani, M; Hawke, A; Duncan, AM (2019). Food Type and Lentil Variety Affect Satiety Responses but Not Food Intake in Healthy Adults When Lentils Are Substituted for Commonly Consumed Carbohydrates. *JOURNAL OF NUTRITION*, 149(7), 1180-1188. 10.1093/jn/nxz050
- Clegg, TA; Morrissey, T; Geoghegan, F; Martin, SW; Lyons, K; Ashe, S; More, SJ (2014). Risk factors associated with increased mortality of farmed Pacific oysters in Ireland during 2011. *PREVENTIVE VETERINARY MEDICINE*, 113(2), 257-267. 10.1016/j.prevetmed.2013.10.023
- Clewley, D; Whitcomb, JB; Akbar, R; Silva, AR; Berg, A; Adams, JR; Caldwell, T; Entekhabi, D; Moghaddam, M (2017). A Method for Upscaling In Situ Soil Moisture Measurements to Satellite Footprint Scale Using Random Forests. *IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING*, 10(6), 2663-2673. 10.1109/JSTARS.2017.2690220
- Cline, J; Neilsen, G; Hogue, E; Kuchta, S; Neilsen, D (2011). Spray-on-mulch Technology for Intensively Grown Irrigated Apple Orchards: Influence on Tree Establishment, Early Yields, and Soil Physical Properties. *HORTTECHNOLOGY*, 21(4), 398-411. 10.21273/HORTTECH.21.4.398
- Coleman, BL; Louie, M; Salvadori, MI; McEwen, SA; Neumann, N; Sibley, K; Irwin, RJ; Jamieson, FB; Daignault, D; Majury, A; Braithwaite, S; Crago, B; McGeer, AJ (2013). Contamination of Canadian private drinking water sources with antimicrobial resistant Escherichia coli. *WATER RESEARCH*, 47(9), 3026-3036. 10.1016/j.watres.2013.03.008
- Colliander, A; Reichle, R; Crow, W; Cosh, M; Chen, F; Chan, SV; Das, NN; Bindlish, R; Chaubell, J; Kim, S; Liu, Q; O'Neill, P; Dunbar, S; Dang, L; Kimball, JS; Jackson, T; Al-Jassar, H; Asanuma, J; Bhattacharya, B; Berg, A; Bosch, D; Bourgeau-Chavez, L; Caldwell, T; Calvet, JC; Collins, C; Jensen, K; Livingston, S; Lopez-Baeza, E; Martinez-Fernandez, J; McNairn, H; Moghaddam, M; Montzka, C; Notarnicola, C; Pellarin, T; Greimeister-Pfeil, I; Pulliainen, J; Ramos, J; Hernandez, JGR; Seyfried, M; Starks, P; Su, B; van der Velde, R; Zeng, YJ; Thibeault, M; Vreugdenhil, M;

- Walker, J; Zribi, M; Entekhabi, D; Yueh, SM (2022). Validation of Soil Moisture Data Products From the NASA SMAP Mission. *IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING*, 15(), 364-392. 10.1109/JSTARS.2021.3124743
- Columbus, D; Niven, SJ; Zhu, CL; de Lange, CFM (2010). Phosphorus utilization in starter pigs fed high-moisture corn-based liquid diets steeped with phytase. *JOURNAL OF ANIMAL SCIENCE*, 88(12), 3964-3976. 10.2527/jas.2010-3011
- Columbus, D; Zhu, CL; Pluske, JR; de Lange, CFM (2010). Body weight gain and nutrient utilization in starter pigs that are liquid-fed high-moisture corn-based diets supplemented with phytase. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 90(1), 45-55. 10.4141/CJAS09059
- Compo, NR; Gomez, DE; Tapscott, B; Weese, JS; Turner, PV (2018). Fecal bacterial microbiota of Canadian commercial mink (*Neovison vison*): Yearly, life stage, and seasonal comparisons. *PLOS ONE*, 13(11), . 10.1371/journal.pone.0207111
- Conboy, MH; Winder, CB; Medrano-Galarza, C; LeBlanc, SJ; Haley, DB; Costa, JHC; Steele, MA; Renaud, DL (2021). Associations between feeding behaviors collected from an automated milk feeder and disease in group-housed dairy calves in Ontario: A cross-sectional study. *JOURNAL OF DAIRY SCIENCE*, 104(9), 10183-10193. 10.3168/jds.2021-20137
- Conevska, A; Ford, J; Lesnikowski, A; Harper, S (2019). Adaptation financing for projects focused on food systems through the UNFCCC. *CLIMATE POLICY*, 19(1), 43-58. 10.1080/14693062.2018.1466682
- Congreves, KA; Brown, SE; Nemeth, DD; Dunfield, KE; Wagner-Riddle, C (2017). Differences in field-scale N<sub>2</sub>O flux linked to crop residue removal under two tillage systems in cold climates. *GLOBAL CHANGE BIOLOGY BIOENERGY*, 9(4), 666-680. 10.1111/gcbb.12354
- Congreves, KA; Dutta, B; Grant, BB; Smith, WN; Desjardins, RL; Wagner-Riddle, C (2016). How does climate variability influence nitrogen loss in temperate agroecosystems under contrasting management systems?. *AGRICULTURE ECOSYSTEMS & ENVIRONMENT*, 227(), 33-41. 10.1016/j.agee.2016.04.025
- Congreves, KA; Eerd, LL (2015). Nitrogen cycling and management in intensive horticultural systems. *NUTRIENT CYCLING IN AGROECOSYSTEMS*, 102(3), 299-318. 10.1007/s10705-015-9704-7
- Congreves, KA; Hooker, DC; Hayes, A; Verhallen, EA; Van Eerd, LL (2017). Interaction of long-term nitrogen fertilizer application, crop rotation, and tillage system on soil carbon and nitrogen dynamics. *PLANT AND SOIL*, 410(1-2), 113-127. 10.1007/s11104-016-2986-y

- Congreves, KA; Smith, JM; Nemeth, DD; Hooker, DC; Van Eerd, LL (2014). Soil organic carbon and land use: Processes and potential in Ontario's long-term agro-ecosystem research sites. *CANADIAN JOURNAL OF SOIL SCIENCE*, 94(3), 317-336. 10.4141/CJSS2013-094
- Congreves, KA; Tanino, KK; Trueman, CL (2021). Advancements in Canadian horticulture INTRODUCTION. *CANADIAN JOURNAL OF PLANT SCIENCE*, 101(6), V-V. 10.1139/cjps-2021-0239
- Congreves, KA; Voroney, RP; O'Halloran, IP; Van Eerd, LL (2013). Broccoli residue-derived nitrogen immobilization following amendments of organic carbon: An incubation study. *CANADIAN JOURNAL OF SOIL SCIENCE*, 93(1), 23-31. 10.4141/CJSS2011-092
- Congreves, KA; Voroney, RP; Van Eerd, LL (2014). Amending soil with used cooking oil to reduce nitrogen losses after cole crop harvest: a N-15 study. *NUTRIENT CYCLING IN AGROECOSYSTEMS*, 100(3), 257-271. 10.1007/s10705-014-9643-8
- Congreves, KA; Wagner-Riddle, C; Si, BC; Clough, TJ (2018). Nitrous oxide emissions and biogeochemical responses to soil freezing-thawing and drying-wetting. *SOIL BIOLOGY & BIOCHEMISTRY*, 117(), 5-15. 10.1016/j.soilbio.2017.10.040
- Conner, RL; Gillard, CL; McRae, KB; Hwang, SF; Chen, YY; Hou, AF; Penner, WC; Turnbull, GD (2019). Survival of the bean anthracnose fungus (*Colletotrichum lindemuthianum*) on crop debris in Canada. *CANADIAN JOURNAL OF PLANT PATHOLOGY*, 41(2), 209-217. 10.1080/07060661.2018.1563830
- Conte, S; Bergeron, R; Gonyou, H; Brown, J; Rioja-Lang, FC; Connor, ML; Devillers, N (2015). Use of an analgesic to identify pain-related indicators of lameness in sows. *LIVESTOCK SCIENCE*, 180(), 203-208. 10.1016/j.livsci.2015.08.009
- Contreras-Escareno, F; Echazarreta, CM; Guzman-Novoa, E; Macias-Macias, JO (2019). Traditional Knowledge and Potential Use of Stingless Bees (Hymenoptera: Meliponinae) in the Manantlan Sierra, Jalisco, Mexico. *SOCIOBIOLOGY*, 66(1), 120-125. 10.13102/sociobiology.v66i1.3396
- Contreras, AP; van der Meer, F; Checkley, S; Joseph, T; King, R; Ravi, M; Peters, D; Fonseca, K; Gagnon, CA; Provost, C; Ojkic, D; Abdul-Careem, MF (2020). Analysis of Whole-Genome Sequences of Infectious laryngotracheitis Virus Isolates from Poultry Flocks in Canada: Evidence of Recombination. *VIRUSES-BASEL*, 12(11), . 10.3390/v12111302
- Cook, A; Reid-Smith, RJ; Irwin, RJ; McEwen, SA; Young, V; Ribble, C (2011). Antimicrobial Resistance in *Campylobacter*, *Salmonella*, and *Escherichia coli* Isolated from Retail Grain-Fed Veal Meat from Southern Ontario, Canada. *JOURNAL OF FOOD PROTECTION*, 74(8), 1245-1251. 10.4315/0362-028X.JFP-10-483



- Coomber, R; Moyle, L; Belackov, V; Decorte, T; Hakkarainen, P; Hathaway, A; Laidler, KJ; Lenton, S; Murphy, S; Scott, J; Stefunkova, M; Van de Ven, K; Vlaemynck, M; Werse, B (2018). The burgeoning recognition and accommodation of the social supply of drugs in international criminal justice systems: An eleven-nation comparative overview. *INTERNATIONAL JOURNAL OF DRUG POLICY*, 58(), 93-103. 10.1016/j.drugpo.2018.05.010
- Coon, RE; Duffield, TF; DeVries, TJ (2019). Short communication: Risk of subacute ruminal acidosis affects the feed sorting behavior and milk production of early lactation cows. *JOURNAL OF DAIRY SCIENCE*, 102(1), 652-659. 10.3168/jds.2018-15064
- Corbett, CS; Naqvi, SA; Bauman, CA; De Buck, J; Orsel, K; Uehlinger, F; Kelton, DF; Barkema, HW (2018). Prevalence of *Mycobacterium avium* ssp paratuberculosis infections in Canadian dairy herds. *JOURNAL OF DAIRY SCIENCE*, 101(12), 11218-11228. 10.3168/jds.2018-14854
- Cordero, RL; Suma, M; Krishnan, S; Bauch, CT; Anand, M (2018). Elements of indigenous socio-ecological knowledge show resilience despite ecosystem changes in the forest-grassland mosaics of the Nilgiri Hills, India. *PALGRAVE COMMUNICATIONS*, 4(), . 10.1057/s41599-018-0157-x
- Cordero, RL; Torchelsen, FP; Overbeck, GE; Anand, M (2016). Analyzing the landscape characteristics promoting the establishment and spread of gorse (*Ulex europaeus*) along roadsides. *ECOSPHERE*, 7(3), . 10.1002/ecs2.1201
- Cormier, AC; Chalmers, G; McAllister, TA; Cook, S; Zaheer, R; Scott, HM; Booker, C; Read, R; Boerlin, P (2016). Extended-Spectrum-Cephalosporin Resistance Genes in *Escherichia coli* from Beef Cattle. *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*, 60(2), 1162-1163. 10.1128/AAC.02516-15
- Correa-Carmona, Y; Rougerie, R; Arnal, P; Ballesteros-Mejia, L; Beck, J; Doledec, S; Ho, C; Kitching, IJ; Lavelle, P; Le Clec'h, S; Lopez-Vaamonde, C; Martins, MB; Murienne, J; Oszwald, J; Ratnasingham, S; Decaens, T (). Functional and taxonomic responses of tropical moth communities to deforestation. *INSECT CONSERVATION AND DIVERSITY*, (), . 10.1111/icad.12549
- Corry, R (2014). Landscapes of Intersecting Trade and Environmental Policies: Intensive Canadian and American Farmlands. *LANDSCAPE RESEARCH*, 39(2), 107-122. 10.1080/01426397.2013.789835
- Corry, RC (2018). Designed strategic redeployment of perennial cover in North American farm landscapes. *JOURNAL OF SOIL AND WATER CONSERVATION*, 73(5), 132A-139A. 10.2489/jswc.73.5.132A

- Corry, RC (2018). Recent losses of perennial cover in a Great Lakes agricultural region. *CANADIAN GEOGRAPHER-GEOGRAPHE CANADIEN*, 62(2), 178-187.  
10.1111/cag.12431
- Corry, RC (2019). How measures of agricultural landscape patterns are affected by crop rotation dynamics. *LANDSCAPE ECOLOGY*, 34(9), 2159-2167.  
10.1007/s10980-019-00823-w
- Corson, C; Campbell, LM; Wilshusen, P; Gray, NJ (2019). Assembling global conservation governance. *GEOFORUM*, 103(), 56-65.  
10.1016/j.geoforum.2019.03.012
- Corson, C; Gruby, R; Witter, R; Hagerman, S; Suarez, D; Greenberg, S; Bourque, M; Gray, N; Campbell, LM (2014). Everyone's Solution? Defining and Redefining Protected Areas at the Convention on Biological Diversity. *CONSERVATION & SOCIETY*, 12(2), 190-202. 10.4103/0972-4923.138421
- Cortes, LR; Souza-Fabjan, JMG; Dias, DS; Martins, BB; Maia, ALRS; Veiga, MO; Arashiro, EKN; Brandao, FZ; Oliveira, MEF; Bartlewski, PM; Fonseca, JF (2021). Administration of a single dose of 300 IU of human chorionic gonadotropin seven days after the onset of estrus improves pregnancy rate in dairy goats by an unknown mechanism. *DOMESTIC ANIMAL ENDOCRINOLOGY*, 74(), .  
10.1016/j.domaniend.2020.106579
- Costa, MAM; Moors, EJ; Fraser, EDG (2011). Socioeconomics, Policy, or Climate Change: What is Driving Vulnerability in Southern Portugal?. *ECOLOGY AND SOCIETY*, 16(1), .
- Costa, MC; Reid-Smith, R; Gow, S; Hannon, SJ; Booker, C; Rousseau, J; Benedict, KM; Morley, PS; Weese, JS (2012). Prevalence and molecular characterization of *Clostridium difficile* isolated from feedlot beef cattle upon arrival and mid-feeding period. *BMC VETERINARY RESEARCH*, 8(), . 10.1186/1746-6148-8-38
- Costa, MC; Stampfli, HR; Arroyo, LG; Pearl, DL; Weese, JS (2011). Epidemiology of *Clostridium difficile* on a veal farm: Prevalence, molecular characterization and tetracycline resistance. *VETERINARY MICROBIOLOGY*, 152(3-4), 379-384.  
10.1016/j.vetmic.2011.05.014
- Cramer, G; Solano, L; Johnson, R (2019). Evaluation of tetracycline in milk following extra-label administration of topical tetracycline for digital dermatitis in dairy cattle. *JOURNAL OF DAIRY SCIENCE*, 102(1), 883-895. 10.3168/jds.2018-14961
- Crann, SE (2021). "Small town girls" and "country girls": Examining the plurality of feminine rural subjectivity. *FEMINISM & PSYCHOLOGY*, 31(4), 530-549.  
10.1177/0959353521989526
- Crippin, T; Limay-Rios, V; Renaud, JB; Schaafsma, AW; Sumarah, MW; Miller, JD (2020). *Fusarium graminearum* populations from maize and wheat in Ontario,

Canada. *WORLD MYCOTOXIN JOURNAL*, 13(3), 355-366.  
10.3920/WMJ2019.2532

Crosbie, M; Zhu, CL; Shoveller, AK; Huber, LA (2020). Standardized ileal digestible amino acids and net energy contents in full fat and defatted black soldier fly larvae meals (*Hermetia illucens*) fed to growing pigs. *TRANSLATIONAL ANIMAL SCIENCE*, 4(3), . 10.1093/tas/txaa104

Crowley, T (2019). Evan Pugh's Penn State: America's Model Agricultural College.. *JOURNAL OF AMERICAN HISTORY*, 106(2), 460-461. 10.1093/jahist/jaz400

Cuatón, GP; Su, YN (2020). Local-indigenous knowledge on disaster risk reduction: Insights from the Mamanwa indigenous peoples in Basey, Samar after Typhoon Haiyan in the Philippines. *INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION*, 48(), . 10.1016/j.ijdr.2020.101596

Cuni-Sanchez, A; Sullivan, MJP; Platts, PJ; Lewis, SL; Marchant, R; Imani, G; Hubau, W; Abiem, I; Adhikari, H; Albrecht, T; Altman, J; Amani, C; Aneseyee, AB; Avitabile, V; Banin, L; Batumike, R; Bauters, M; Beeckman, H; Begne, SK; Bennett, AC; Bitariho, R; Boeckx, P; Bogaert, J; Brauning, A; Bulonvu, F; Burgess, ND; Calders, K; Chapman, C; Chapman, H; Comiskey, J; de Haulleville, T; Decuyper, M; DeVries, B; Dolezal, J; Droissart, V; Ewango, C; Feyera, S; Gebrekirstos, A; Gereau, R; Gilpin, M; Hakizimana, D; Hall, J; Hamilton, A; Hardy, O; Hart, T; Heiskanen, J; Hemp, A; Herold, M; Hiltner, U; Horak, D; Kamdem, MN; Kayijamahe, C; Kenfack, D; Kinyanjui, MJ; Klein, J; Lisingo, J; Lovett, J; Lung, M; Makana, JR; Malhi, Y; Marshall, A; Martin, EH; Mitchard, ETA; Morel, A; Mukendi, JT; Muller, T; Nchu, F; Nyirambangutse, B; Okello, J; Peh, KSH; Pellikka, P; Phillips, OL; Plumptre, A; Qie, L; Rovero, F; Sainge, MN; Schmitt, CB; Sedlacek, O; Ngute, ASK; Sheil, D; Sheleme, D; Simegn, TY; Simo-Droissart, M; Sonke, B; Soromessa, T; Sunderland, T; Svoboda, M; Taedoumg, H; Taplin, J; Taylor, D; Thomas, SC; Timberlake, J; Tuagben, D; Umunay, P; Uzabaho, E; Verbeeck, H; Vleminckx, J; Wallin, G; Wheeler, C; Willcock, S; Woods, JT; Zibera, E (2021). High aboveground carbon stock of African tropical montane forests. *NATURE*, 596(7873), 536-+. 10.1038/s41586-021-03728-4

Curtis, RV; Kim, JJM; Bajramaj, DL; Doelman, J; Osborne, VR; Cant, JP (2014). Decline in mammary translational capacity during intravenous glucose infusion into lactating dairy cows. *JOURNAL OF DAIRY SCIENCE*, 97(1), 430-438. 10.3168/jds.2013-7252

Curtis, RV; Kim, JJM; Doelman, J; Cant, JP (2018). Maintenance of plasma branched-chain amino acid concentrations during glucose infusion directs essential amino acids to extra-mammary tissues in lactating dairy cows. *JOURNAL OF DAIRY SCIENCE*, 101(5), 4542-4553. 10.3168/jds.2017-13236

da Silva, YJAB; do Nascimento, CWA; Biondi, CM; van Straaten, P; de Souza, VS; Ferreira, TO (2019). Geochemical signatures and weathering rates in soils derived

from different granites in contrasting climatic locations. *ACTA SCIENTIARUM-AGRONOMY*, 41(), . 10.4025/actasciagron.v41i1.39708

- Dadgar, MA; Nakhaei, M; Porhemmat, J; Biswas, A; Rostami, M (2018). Transient potential groundwater recharge under surface irrigation in semiarid environment: An experimental and numerical study. *HYDROLOGICAL PROCESSES*, 32(25), 3771-3783. 10.1002/hyp.13287
- Daggupati, P; Shukla, R; Mekonnen, B; Rudra, R; Biswas, A; Goel, PK; Prasher, S; Yang, WH (2018). Hydrological Responses to Various Land Use, Soil and Weather Inputs in Northern Lake Erie Basin in Canada. *WATER*, 10(2), . 10.3390/w10020222
- Dahal, K; Kane, K; Gadapati, W; Webb, E; Savitch, LV; Singh, J; Sharma, P; Sarhan, F; Longstaffe, FJ; Grodzinski, B; Huner, NPA (2012). The effects of phenotypic plasticity on photosynthetic performance in winter rye, winter wheat and Brassica napus. *PHYSIOLOGIA PLANTARUM*, 144(2), 169-188. 10.1111/j.1399-3054.2011.01513.x
- Dahal, K; Weraduwege, SM; Kane, K; Rauf, SA; Leonardos, ED; Gadapati, W; Savitch, L; Singh, J; Marillia, EF; Taylor, DC; Micallef, MC; Knowles, V; Plaxton, W; Barron, J; Sarhan, F; Huner, N; Grodzinski, B; Micaller, BJ (2014). Enhancing biomass production and yield by maintaining enhanced capacity for CO<sub>2</sub> uptake in response to elevated CO<sub>2</sub>. *CANADIAN JOURNAL OF PLANT SCIENCE*, 94(6), 1075-1083. 10.4141/CJPS2013-151
- Dalby, FR; Hafner, SD; Petersen, SO; Vanderzaag, A; Habtewold, J; Dunfield, K; Chantigny, MH; Sommer, SG (2021). A mechanistic model of methane emission from animal slurry with a focus on microbial groups. *PLOS ONE*, 16(6), . 10.1371/journal.pone.0252881
- Dale, A; Galic, D (2014). Breeding Blight Resistant American Chestnut for Canada. *V INTERNATIONAL CHESTNUT SYMPOSIUM*, 1019(), 49-53. 10.17660/ActaHortic.2014.1019.7
- Dalgarno, S; Mersey, JE; Gedalof, Z; Lemon, M (2017). Species-environment associations and predicted distribution of Black Oystercatcher breeding pairs in Haida Gwaii, British Columbia, Canada. *AVIAN CONSERVATION AND ECOLOGY*, 12(2), . 10.5751/ACE-01094-120209
- Dallaire, JA; Field, N; Mason, GJ (2012). Activity and enrichment use in disabled Asiatic black bears (*Ursus thibetanus*) rescued from bile farms. *ANIMAL WELFARE*, 21(2), 167-176. 10.7120/09627286.21.2.167
- Dalton, HA; Wood, BJ; Torrey, S (2013). Injurious pecking in domestic turkeys: development, causes, and potential solutions. *WORLDS POULTRY SCIENCE JOURNAL*, 69(4), 865-876. 10.1017/S004393391300086X

- Dan, SJ; Yang, SX; Tian, FC; Den, L (2016). Classification of Orange Growing Locations Based on the Near-infrared Spectroscopy Using Data Mining. *INTELLIGENT AUTOMATION AND SOFT COMPUTING*, 22(2), 229-236. 10.1080/10798587.2015.1095474
- Dandie, CE; Wertz, S; Leclair, CL; Goyer, C; Burton, DL; Patten, CL; Zebarth, BJ; Trevors, JT (2011). Abundance, diversity and functional gene expression of denitrifier communities in adjacent riparian and agricultural zones. *FEMS MICROBIOLOGY ECOLOGY*, 77(1), 69-82. 10.1111/j.1574-6941.2011.01084.x
- Dapp, D; Newman-Hogan, L; Ametepee, K; Wobeser, W; King, A (2018). HCV: Bringing care to patients in rural and remote settings. *JOURNAL OF VIRAL HEPATITIS*, 25(), 156-156.
- Das, K; Ray, D; Bandyopadhyay, NR; Sahoo, S; Mohanty, AK; Misra, M (2011). Physico-mechanical properties of the jute micro/nanofibril reinforced starch/polyvinyl alcohol biocomposite films. *COMPOSITES PART B-ENGINEERING*, 42(3), 376-381. 10.1016/j.compositesb.2010.12.017
- Das, Q; Islam, MR; Lepp, D; Tang, JS; Yin, XH; Mats, LL; Liu, HZ; Ross, K; Kennes, YM; Yacini, H; Warriner, K; Marcone, MF; Diarra, MS (2020). Gut Microbiota, Blood Metabolites, and Spleen Immunity in Broiler Chickens Fed Berry Pomaces and Phenolic-Enriched Extractives (vol 7, 150, 2020). *FRONTIERS IN VETERINARY SCIENCE*, 7(), . 10.3389/fvets.2020.00541
- Das, Q; Lepp, D; Yin, XH; Ross, K; McCallum, JL; Warriner, K; Marcone, MF; Diarra, MS (2019). Transcriptional profiling of Salmonella enterica serovar Enteritidis exposed to ethanolic extract of organic cranberry pomace. *PLOS ONE*, 14(7), . 10.1371/journal.pone.0219163
- Das, Q; Shay, J; Gauthier, M; Yin, XH; Hasted, TL; Ross, K; Julien, C; Yacini, H; Kennes, YM; Warriner, K; Marcone, MF; Diarra, MS (2021). Effects of Vaccination Against Coccidiosis on Gut Microbiota and Immunity in Broiler Fed Bacitracin and Berry Pomace. *FRONTIERS IN IMMUNOLOGY*, 12(), . 10.3389/fimmu.2021.621803
- Davis, EL; Hager, HA; Gedalof, Z (2018). Soil properties as constraints to seedling regeneration beyond alpine treelines in the Canadian Rocky Mountains. *ARCTIC ANTARCTIC AND ALPINE RESEARCH*, 50(1), . 10.1080/15230430.2017.1415625
- Dawson, J (2011). Climate Change in the 21st Century. *CANADIAN GEOGRAPHER-GEOGRAPHE CANADIEN*, 55(1), 130-131. 10.1111/j.1541-0064.2010.00353.x
- Dawson, LC; Widowski, TM; Liu, ZZ; Edwards, AM; Torrey, S (2021). In pursuit of a better broiler: a comparison of the inactivity, behavior, and enrichment use of fast- and slower growing broiler chickens. *POULTRY SCIENCE*, 100(12), . 10.1016/j.psj.2021.101451

- Day, NJ; Cumming, SG; Dunfield, KE; Johnstone, JF; Mack, MC; Reid, KA; Turetsky, MR; Walker, XJ; Baltzer, JL (2020). Identifying Functional Impacts of Heat-Resistant Fungi on Boreal Forest Recovery After Wildfire. *FRONTIERS IN FORESTS AND GLOBAL CHANGE*, 3(), . 10.3389/ffgc.2020.00068
- Day, NJ; Dunfield, KE; Johnstone, JF; Mack, MC; Turetsky, MR; Walker, XJ; White, AL; Baltzer, JL (2019). Wildfire severity reduces richness and alters composition of soil fungal communities in boreal forests of western Canada. *GLOBAL CHANGE BIOLOGY*, 25(7), 2310-2324. 10.1111/gcb.14641
- Dayaratna, KD; McKittrick, R; Michaels, PJ (2020). Climate sensitivity, agricultural productivity and the social cost of carbon in FUND. *ENVIRONMENTAL ECONOMICS AND POLICY STUDIES*, 22(3), 433-448. 10.1007/s10018-020-00263-w
- de Abreu, MCS; Webb, K; Araujo, FSM; Cavalcante, JPL (2021). From "business as usual" to tackling climate change: Exploring factors affecting low-carbon decision-making in the canadian oil and gas sector. *ENERGY POLICY*, 148(), . 10.1016/j.enpol.2020.111932
- de Boer, M; Buddle, BM; Heuer, C; Hussein, H; Zheng, T; LeBlanc, SJ; McDougall, S (2015). Associations between intrauterine bacterial infection, reproductive tract inflammation, and reproductive performance in pasture-based dairy cows. *THERIOGENOLOGY*, 83(9), 1514-1524. 10.1016/j.theriogenology.2015.01.032
- de Boer, T; Smith, P; Chandler, K; Nurse, R; Obeid, K; Swanton, C (2019). A linuron-free weed management strategy for carrots. *WEED TECHNOLOGY*, 33(3), 464-474. 10.1017/wet.2018.112
- de Gortari, MG; Misra, M; Gregori, S; Mohanty, AK (2021). Statistical Design of Biocarbon Reinforced Sustainable Composites from Blends of Polyphthalamide (PPA) and Polyamide 4,10 (PA410). *MOLECULES*, 26(17), . 10.3390/molecules26175387
- de Lange, CFM; Pluske, J; Gong, J; Nyachoti, CM (2010). Strategic use of feed ingredients and feed additives to stimulate gut health and development in young pigs. *LIVESTOCK SCIENCE*, 134(1-3), 124-134. 10.1016/j.livsci.2010.06.117
- De Laporte, A (2014). Effects of Crop Prices, Nuisance Costs, and Wetland Regulation on Saskatchewan NAWMP Implementation Goals. *CANADIAN JOURNAL OF AGRICULTURAL ECONOMICS-REVUE CANADIENNE D AGROECONOMIE*, 62(1), 47-67. 10.1111/cjag.12020
- De Laporte, A; Banger, K; Weersink, A; Wagner-Riddle, C; Grant, B; Smith, W (2021). Economic and environmental nitrate leaching consequences of 4R nitrogen management practices including use of inhibitors for corn production in Ontario.

*JOURNAL OF ENVIRONMENTAL MANAGEMENT*, 300(), .  
10.1016/j.jenvman.2021.113739

- De Laporte, A; Banger, K; Weersink, A; Wagner-Riddle, C; Grant, B; Smith, W (2021). Economic and environmental consequences of nitrogen application rates, timing and methods on corn in Ontario. *AGRICULTURAL SYSTEMS*, 188(), .  
10.1016/j.agsy.2020.103018
- De Laporte, AV; Weersink, AJ; McKenney, DW (2014). A spatial model of climate change effects on yields and break-even prices of switchgrass and miscanthus in Ontario, Canada. *GLOBAL CHANGE BIOLOGY BIOENERGY*, 6(4), 390-400.  
10.1111/gcbb.12058
- De Laporte, AV; Weersink, AJ; McKenney, DW (2016). Effects of supply chain structure and biomass prices on bioenergy feedstock supply. *APPLIED ENERGY*, 183(), 1053-1064. 10.1016/j.apenergy.2016.09.049
- de Oliveira, HR; Brito, LF; Sargolzaei, M; Silva, FFE; Jamrozik, J; Lourenco, DAL; Schenkel, FS (2019). Impact of including information from bulls and their daughters in the training population of multiple-step genomic evaluations in dairy cattle: A simulation study. *JOURNAL OF ANIMAL BREEDING AND GENETICS*, 136(6), 441-452. 10.1111/jbg.12407
- de Ridder, K; Levesque, CL; Htoo, JK; de Lange, CFM (2012). Immune system stimulation reduces the efficiency of tryptophan utilization for body protein deposition in growing pigs. *JOURNAL OF ANIMAL SCIENCE*, 90(10), 3485-3491.  
10.2527/jas.2011-4830
- Deaton, BJ; Lawley, C; Nadella, K (2018). Renters, landlords, and farmland stewardship. *AGRICULTURAL ECONOMICS*, 49(4), 521-531. 10.1111/agec.12433
- DeBrouwer, EJ; Sriskantharajaha, K; El Kayal, W; Sullivan, JA; Paliyath, G; Subramanian, J (2020). Pre-harvest hexanal spray reduces bitter pit and enhances post-harvest quality in 'Honeycrisp' apples (*Malus domestica* Borkh.). *SCIENTIA HORTICULTURAE*, 273(), . 10.1016/j.scienta.2020.109610
- DeBruyn, AH; O'Halloran, IP; Lauzon, JD; Van Eerd, LL (2017). Effect of Sugarbeet Density and Harvest Date on Most Profitable Nitrogen Rate. *AGRONOMY JOURNAL*, 109(5), 2343-2357. 10.2134/agronj2017.03.0141
- Deen, B (2017). Biomass for biofuel: understanding the risks and opportunities for Ontario agriculture. *CANADIAN JOURNAL OF PLANT SCIENCE*, 97(6), 964-971.  
10.1139/cjps-2016-0401
- Deen, W; Janovicek, K; Landry, E; Lee, EA (2019). Annual Cereal Cover Crops Following Winter Wheat Produce High Quality Fall Forage. *AGRONOMY JOURNAL*, 111(4), 1634-1642. 10.2134/agronj2018.03.0221

- DeGroot, A; Coe, J; Kelton, D; Miltenburg, C; Wichtel, J; Duffield, T (2021). Factors associated with food-animal producer visit-specific satisfaction following on-farm interaction with a veterinarian. *VETERINARY RECORD*, 188(6), . 10.1002/vetr.15
- DeGroot, A; Coe, JB; Kelton, D; Miltenburg, C; Wichtel, J; Duffield, T (2021). Comparison of food-animal veterinarians' and producers' perceptions of producer-centered communication following on-farm interactions. *VETERINARY RECORD*, 189(4), . 10.1002/vetr.139
- Delgado-Fernandez, I; Davidson-Arnott, R; Bauer, BO; Walker, IJ; Ollerhead, J; Rhew, H (2012). Assessing aeolian beach-surface dynamics using a remote sensing approach. *EARTH SURFACE PROCESSES AND LANDFORMS*, 37(15), 1651-1660. 10.1002/esp.3301
- Dellinger, MJ; Olson, JT; Holub, BJ; Ripley, MP (2018). Mercury, Polychlorinated Biphenyls, Selenium, and Fatty Acids in Tribal Fish Harvests of the Upper Great Lakes. *RISK ANALYSIS*, 38(10), 2029-2040. 10.1111/risa.13112
- DeLorenzo, A; Parizeau, K; von Massow, M (2019). Regulating Ontario's circular economy through food waste legislation. *SOCIETY AND BUSINESS REVIEW*, 14(2), 200-216. 10.1108/SBR-12-2017-0115
- Delrieu-Trottin, E; Durand, JD; Limmon, G; Sukmono, T; Kadarusman; Sugeha, HY; Chen, WJ; Busson, F; Borsa, P; Dahruddin, H; Sauri, S; Fitriana, Y; Zein, MSA; Hocde, R; Pouyaud, L; Keith, P; Wowor, D; Steinke, D; Hanner, R; Hubert, N (2020). Biodiversity inventory of the grey mullets (Actinopterygii: Mugilidae) of the Indo-Australian Archipelago through the iterative use of DNA-based species delimitation and specimen assignment methods. *EVOLUTIONARY APPLICATIONS*, 13(6), 1451-1467. 10.1111/eva.12926
- Deming, JA; Bergeron, R; Leslie, KE; DeVries, TJ (2013). Associations of housing, management, milking activity, and standing and lying behavior of dairy cows milked in automatic systems. *JOURNAL OF DAIRY SCIENCE*, 96(1), 344-351. 10.3168/jds.2012-5985
- Denich, L; Farzan, A; Friendship, R; Arndt, E; Ricker, N; Gottschalk, M; Poljak, Z (2021). Study of the relationship between untypable and typable isolates of *Streptococcus suis* recovered from clinically ill and healthy nursery pigs. *VETERINARY MICROBIOLOGY*, 257(), . 10.1016/j.vetmic.2021.109064
- Denis-Robichaud, J; Cerri, RLA; Jones-Bitton, A; LeBlanc, SJ (2018). Dairy producers' attitudes toward reproductive management and performance on Canadian dairy farms. *JOURNAL OF DAIRY SCIENCE*, 101(1), 850-860. 10.3168/jds.2016-12416
- Denis-Robichaud, J; Kelton, D; Fauteux, V; Villettaz-Robichaud, M; Dubuc, J (2020). Short communication: Accuracy of estimation of lameness, injury, and cleanliness



- prevalence by dairy farmers and veterinarians. *JOURNAL OF DAIRY SCIENCE*, 103(11), 10696-10702. 10.3168/jds.2020-18651
- Denis-Robichaud, J; Kelton, DF; Bauman, CA; Barkema, HW; Keefe, GP; Dubuc, J (2019). Biosecurity and herd health management practices on Canadian dairy farms. *JOURNAL OF DAIRY SCIENCE*, 102(10), 9536-9547. 10.3168/jds.2018-15921
- Denis-Robichaud, J; Kelton, DF; Bauman, CA; Barkema, HW; Keefe, GP; Dubuc, J (2019). Canadian dairy farmers' perception of the efficacy of biosecurity practices. *JOURNAL OF DAIRY SCIENCE*, 102(11), 10657-10669. 10.3168/jds.2019-16312
- Deora, A; Gossen, BD; Dalton, J; McDonald, MR (2014). Effect of saponins on clubroot (*Plasmodiophora brassicae*) in canola and Shanghai pak choy. *PHYTOPATHOLOGY*, 104(11), 32-32.
- Deora, A; Gossen, BD; McDonald, MR (2013). Cytology of infection, development and expression of resistance to *Plasmodiophora brassicae* in canola. *ANNALS OF APPLIED BIOLOGY*, 163(1), 56-71. 10.1111/aab.12033
- Des Marteaux, LE; Schmidt, JM; Habash, MB; Hallett, RH (2015). Patterns of diapause frequency and emergence in swede midges of southern Ontario. *AGRICULTURAL AND FOREST ENTOMOLOGY*, 17(1), 77-89. 10.1111/afe.12083
- Devkota, R; Pant, LP; Gartaula, HN; Patel, K; Gauchan, D; Hambly-Odame, H; Thapa, B; Raizada, MN (2020). Responsible Agricultural Mechanization Innovation for the Sustainable Development of Nepal's Hillside Farming System. *SUSTAINABILITY*, 12(1), . 10.3390/su12010374
- Devos, JJ; Spence, KM; Warren, CT; Ferriman, NN; Schenkel, FS; Wood, KM; Campbell, CP; Mandell, IB (2020). Effects of frequency of supplementation of low-quality gestation diets on beef cow performance from mid-gestation through lactation and preweaning calf performance. *APPLIED ANIMAL SCIENCE*, 36(2), 237-248. 10.15232/aas.2019-01933
- DeVries, B; Huang, CQ; Armston, J; Huang, WL; Jones, JW; Lang, MW (2020). Rapid and robust monitoring of flood events using Sentinel-1 and Landsat data on the Google Earth Engine. *REMOTE SENSING OF ENVIRONMENT*, 240(), . 10.1016/j.rse.2020.111664
- DeVries, TJ (2017). Animal Behavior and Wel-Being Symposium: Metrics for on-farm animal welfare assessment-Current state and future needs. *JOURNAL OF ANIMAL SCIENCE*, 95(3), 1363-1364. 10.2527/jas.2017.1399
- DeVries, TJ (2019). Feeding Behavior, Feed Space, and Bunk Design and Management for Adult Dairy Cattle. *VETERINARY CLINICS OF NORTH AMERICA-FOOD ANIMAL PRACTICE*, 35(1), 61-+. 10.1016/j.cvfa.2018.10.003

- DeVries, TJ; Aarnoudse, MG; Barkema, HW; Leslie, KE; von Keyserlingk, MAG (2012). Associations of dairy cow behavior, barn hygiene, cow hygiene, and risk of elevated somatic cell count. *JOURNAL OF DAIRY SCIENCE*, 95(10), 5730-5739. 10.3168/jds.2012-5375
- DeVries, TJ; Deming, JA; Rodenburg, J; Seguin, G; Leslie, KE; Barkema, HW (2011). Association of standing and lying behavior patterns and incidence of intramammary infection in dairy cows milked with an automatic milking system. *JOURNAL OF DAIRY SCIENCE*, 94(8), 3845-3855. 10.3168/jds.2010-4032
- DeVries, TJ; Dufour, S; Scholl, DT (2010). Relationship between feeding strategy, lying behavior patterns, and incidence of intramammary infection in dairy cows. *JOURNAL OF DAIRY SCIENCE*, 93(5), 1987-1997. 10.3168/jds.2009-2692
- Dewey, CE; Wohlgemut, JM; Levy, M; Mutua, FK (2011). The impact of political crisis on smallholder pig farmers in western Kenya, 2006-2008. *JOURNAL OF MODERN AFRICAN STUDIES*, 49(3), 455-473. 10.1017/S0022278X11000280
- Dhiman, J; Prasher, SO; ElSayed, E; Patel, RM; Nzediegwu, C; Mawof, A (2020). Heavy metal uptake by wastewater irrigated potato plants grown on contaminated soil treated with hydrogel based amendments. *ENVIRONMENTAL TECHNOLOGY & INNOVATION*, 19(), . 10.1016/j.eti.2020.100952
- Dhiman, J; Prasher, SO; ElSayed, E; Patel, RM; Nzediegwu, C; Mawof, A (2021). Effect of hydrogel based soil amendments on heavy metal uptake by spinach grown with wastewater irrigation. *JOURNAL OF CLEANER PRODUCTION*, 311(), . 10.1016/j.jclepro.2021.127644
- Dias, GM; Ayer, NW; Kariyapperuma, K; Thevathasan, N; Gordon, A; Sidders, D; Johannesson, GH (2017). Life cycle assessment of thermal energy production from short-rotation willow biomass in Southern Ontario, Canada. *APPLIED ENERGY*, 204(), 343-352. 10.1016/j.apenergy.2017.07.051
- Dias, GM; Ayer, NW; Khosla, S; Van Acker, R; Young, SB; Whitney, S; Hendricks, P (2017). Life cycle perspectives on the sustainability of Ontario greenhouse tomato production: Benchmarking and improvement opportunities. *JOURNAL OF CLEANER PRODUCTION*, 140(), 831-839. 10.1016/j.jclepro.2016.06.039
- Dias, RS; Lopez, S; Borgatti, LMO; Kebreab, E; Vitti, DMSS; Abdalla, AL; Appuhamy, JADRN; France, J (2019). Phosphorus utilization in broilers fed with diets supplemented with different feed ingredients. *SCIENTIA AGRICOLA*, 76(1), 18-23. 10.1590/1678-992X-2017-0228
- Dias, RS; Montanholi, YR; Lopez, S; Smith, B; Miller, SP; France, J (2016). Utilization of macrominerals and trace elements in pregnant heifers with distinct feed efficiencies. *JOURNAL OF DAIRY SCIENCE*, 99(7), 5413-5421. 10.3168/jds.2015-10796

- Diaz-Llano, G; Smith, TK; Boermans, HJ; Caballero-Cortes, C; Friendship, R (2010). Effects of feeding diets naturally contaminated with Fusarium mycotoxins on protein metabolism in late gestation and lactation of first-parity sows. *JOURNAL OF ANIMAL SCIENCE*, 88(3), 998-1008. 10.2527/jas.2008-1633
- DiNardo, A; Brar, HS; Subramanian, J; Singh, A (2019). Optimization of microwave-assisted extraction parameters and characterization of phenolic compounds in Yellow European Plums. *CANADIAN JOURNAL OF CHEMICAL ENGINEERING*, 97(1), 256-267. 10.1002/cjce.23237
- DiNardo, A; Subramanian, J; Singh, A (2020). Intensification of phenolic extraction from yellow European plums by use of conventional, microwave-, and ultrasound-assisted extraction. *SEPARATION SCIENCE AND TECHNOLOGY*, 55(3), 523-536. 10.1080/01496395.2019.1567547
- Dixon, LM; Duncan, IJH (2010). Changes in Substrate Access Did Not Affect Early Feather-Pecking Behavior in Two Strains of Laying Hen Chicks. *JOURNAL OF APPLIED ANIMAL WELFARE SCIENCE*, 13(1), 1-14. 10.1080/10888700903369248
- Dixon, LM; Duncan, IJH; Mason, GJ (2010). The effects of four types of enrichment on feather-pecking behaviour in laying hens housed in barren environments. *ANIMAL WELFARE*, 19(4), 429-435.
- Do, DN; Bissonnette, N; Lacasse, P; Miglior, F; Zhao, X; Ibeagha-Awemu, EM (2019). A targeted genotyping approach to enhance the identification of variants for lactation persistency in dairy cows. *JOURNAL OF ANIMAL SCIENCE*, 97(10), 4066-4075. 10.1093/jas/skz279
- Dodd, W; King, N; Humphries, S; Little, M; Dewey, C (2016). Self-reported morbidity and health service utilization in rural Tamil Nadu, India. *SOCIAL SCIENCE & MEDICINE*, 161(), 118-125. 10.1016/j.socscimed.2016.05.035
- Dodd, W; Wyngaarden, S; Humphries, S; Patel, K; Majowicz, S; Little, M; Dewey, C (2018). The Relationship Between MGNREGA and Internal Labour Migration in Tamil Nadu, India. *EUROPEAN JOURNAL OF DEVELOPMENT RESEARCH*, 30(2), 178-194. 10.1057/s41287-017-0122-3
- Dodds, R; Holmes, MR (2020). Preferences at City and Rural Beaches: Are the Tourists Different?. *JOURNAL OF COASTAL RESEARCH*, 36(2), 393-402. 10.2112/JCOASTRES-D-19-00048.1
- Dolson, SJ; McPhee, M; Viquez, CF; Hallwachs, W; Janzen, DH; Smith, MA (2020). Spider diversity across an elevation gradient in area de Conservacion Guanacaste (ACG), Costa Rica. *BIOTROPICA*, 52(6), 1092-1102. 10.1111/btp.12874
- Dorich, CD; De Rosa, D; Barton, L; Grace, P; Rowlings, D; Migliorati, MD; Wagner-Riddle, C; Key, C; Wang, DQ; Fehr, B; Conant, RT (2020). Global Research Alliance N2O chamber methodology guidelines: Guidelines for gap-filling missing

measurements. *JOURNAL OF ENVIRONMENTAL QUALITY*, 49(5), 1186-1202.  
10.1002/jeq2.20138

Dorjee, S; Poljak, Z; Revie, CW; Bridgland, J; McNab, B; Leger, E; Sanchez, J (2013). A Review of Simulation Modelling Approaches Used for the Spread of Zoonotic Influenza Viruses in Animal and Human Populations. *ZOOZOSES AND PUBLIC HEALTH*, 60(6), 383-411. 10.1111/zph.12010

Dorjee, S; Revie, CW; Poljak, Z; McNab, WB; Sanchez, J (2013). Network analysis of swine shipments in Ontario, Canada, to support disease spread modelling and risk-based disease management. *PREVENTIVE VETERINARY MEDICINE*, 112(1-2), 118-127. 10.1016/j.prevetmed.2013.06.008

Dorleku, JB; Wang, LM; Zhou, ZY; Mandell, IB; Bohrer, BM (2021). Effects of feeding two different blends of essential oils to finishing steers on growth performance, carcass characteristics, meat quality, meat composition, and shelf life. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 101(3), 507-526. 10.1139/cjas-2020-0075

Dossman, BC; Mitchell, GW; Norris, DR; Taylor, PD; Guglielmo, CG; Matthews, SN; Rodewald, PG (2016). The effects of wind and fuel stores on stopover departure behavior across a migratory barrier. *BEHAVIORAL ECOLOGY*, 27(2), 567-574.  
10.1093/beheco/arv189

Doukakis, P; Hanner, R; Shivji, M; Bartholomew, C; Chapman, D; Wong, EG; Amato, G (2011). Applying genetic techniques to study remote shark fisheries in northeastern Madagascar. *MITOCHONDRIAL DNA*, 22(), 15-20. 10.3109/19401736.2010.526112

Drever, CR; Cook-Patton, SC; Akhter, F; Badiou, PH; Chmura, GL; Davidson, SJ; Desjardins, RL; Dyk, A; Fargione, JE; Fellows, M; Filewod, B; Hensing-Lewis, M; Jayasundara, S; Keeton, WS; Kroeger, T; Lark, TJ; Le, E; Leavitt, SM; Leclerc, ME; Lempriere, TC; Metsaranta, J; McConkey, B; Neilson, E; St-Laurent, GP; Puric-Mladenovic, D; Rodrigue, S; Soolanayakanahally, RY; Spawn, SA; Strack, M; Smyth, C; Thevathasan, N; Voicu, M; Williams, CA; Woodbury, PB; Worth, DE; Xu, Z; Yeo, S; Kurz, WA (2021). Natural climate solutions for Canada. *SCIENCE ADVANCES*, 7(23), . 10.1126/sciadv.abd6034

Drewitt, G; Berg, AA; Merryfield, WJ; Lee, WS (2012). Effect of Realistic Soil Moisture Initialization on the Canadian CanCM3 Seasonal Forecast Model. *ATMOSPHERE-OCEAN*, 50(4), 466-474. 10.1080/07055900.2012.722910

Dring, C; Devlin, JF; Boag, G; Sunohara, MD; Fitzgibbon, J; Topp, E; Lapen, DR (2016). Incentives and disincentives identified by producers and drainage contractors/experts on the adoption of controlled tile drainage in eastern Ontario, Canada. *WATER QUALITY RESEARCH JOURNAL OF CANADA*, 51(1), 1-16.  
10.2166/wqrjc.2015.047

- Droppo, IG; King, K; Tirado, SM; Sousa, A; Wolfaardt, G; Liss, SN; Warren, LA (2010). Assessing riverine sediment-pathogen dynamics: implications for the management of aquatic and human health risk. *SEDIMENT DYNAMICS FOR A CHANGING FUTURE*, 337(), 245-+.
- Drury, CF; Reynolds, WD; Yang, XM; Tan, CS; Guo, X; McKenney, DJ; Fleming, R; Denholme, K (2014). Influence of compost source on corn grain yields, nitrous oxide and carbon dioxide emissions in southwestern Ontario. *CANADIAN JOURNAL OF SOIL SCIENCE*, 94(3), 347-355. 10.4141/CJSS2013-077
- Drury, SC; Gossen, BD; McDonald, MR (2021). Clubroot resistance in canola and brassica vegetable cultivars in Ontario, Canada. *CANADIAN JOURNAL OF PLANT SCIENCE*, 101(5), 730-740. 10.1139/cjps-2020-0273
- Duarte, VD; Dias, RS; Kropinski, AM; Campanaro, S; Treu, L; Siqueira, C; Vieira, MS; Paes, ID; Santana, GR; Martins, F; Crispim, JS; Xavier, AD; Ferro, CG; Vidigal, PMP; da Silva, CC; de Paula, SO (2018). Genomic analysis and immune response in a murine mastitis model of vB\_EcoM-UFV13, a potential biocontrol agent for use in dairy cows. *SCIENTIFIC REPORTS*, 8(), . 10.1038/s41598-018-24896-w
- Dube, C; Ribble, C; Kelton, D; McNab, B (2011). Estimating potential epidemic size following introduction of a long-incubation disease in scale-free connected networks of milking-cow movements in Ontario, Canada. *PREVENTIVE VETERINARY MEDICINE*, 99(2-4), 102-111. 10.1016/j.prevetmed.2011.01.013
- Dube, C; Ribble, C; Kelton, D; McNab, B (2011). Introduction to network analysis and its implications for animal disease modelling. *REVUE SCIENTIFIQUE ET TECHNIQUE-OFFICE INTERNATIONAL DES EPIZOOTIES*, 30(2), 425-436.
- Dube, F; Thevathasan, NV; Stolpe, NB; Zagal, E; Gordon, AM; Espinosa, M; Saez, K (2013). Selected carbon fluxes in Pinus ponderosa-based silvopastoral systems, exotic plantations and natural pastures on volcanic soils in the Chilean Patagonia. *AGROFORESTRY SYSTEMS*, 87(3), 525-542. 10.1007/s10457-012-9574-9
- DuBois, C; DeVries, T; Haley, DB; Lawlis, P; Merkies, K (2018). Putting an On-Farm Welfare Assessment Tool into Practice in the Canadian Equine Industry-A Pilot Study. *JOURNAL OF EQUINE VETERINARY SCIENCE*, 63(), 35-40. 10.1016/j.jevs.2017.12.004
- DuBois, C; DeVries, TJ; Haley, DB; Lawlis, P; Merkies, K (2019). Farm manager involvement in an equine on-farm welfare assessment: opportunities for education and improvement. *ANIMAL WELFARE*, 28(2), 173-181. 10.7120/09627286.28.2.173
- Dubuc, J; Denis-Robichaud, J (2017). A dairy herd-level study of postpartum diseases and their association with reproductive performance and culling. *JOURNAL OF DAIRY SCIENCE*, 100(4), 3068-3078. 10.3168/jds.2016-12144

- Dubuc, J; Duffield, TF; Leslie, KE; Walton, JS; LeBlanc, SJ (2010). Risk factors for postpartum uterine diseases in dairy cows. *JOURNAL OF DAIRY SCIENCE*, 93(12), 5764-5771. 10.3168/jds.2010-3429
- Dubuc, J; Duffield, TF; Leslie, KE; Walton, JS; LeBlanc, SJ (2011). Effects of postpartum uterine diseases on milk production and culling in dairy cows. *JOURNAL OF DAIRY SCIENCE*, 94(3), 1339-1346. 10.3168/jds.2010-3758
- Dudhaiya, A; Haque, F; Fantucci, H; Santos, RM (2019). Characterization of Physically Fractionated Wollastonite-Amended Agricultural Soils. *MINERALS*, 9(10), . 10.3390/min9100635
- Dufour, S; Barkema, HW; DesCoteaux, L; DeVries, TJ; Dohoo, IR; Reyher, K; Roy, JP; Scholl, DT (2010). Development and validation of a bilingual questionnaire for measuring udder health related management practices on dairy farms. *PREVENTIVE VETERINARY MEDICINE*, 95(1-2), 74-85. 10.1016/j.prevetmed.2010.02.018
- Dufour, S; Dohoo, IR; Barkema, HW; DesCoteaux, L; DeVries, TJ; Reyher, KK; Roy, JP; Scholl, DT (2012). Epidemiology of coagulase-negative staphylococci intramammary infection in dairy cattle and the effect of bacteriological culture misclassification. *JOURNAL OF DAIRY SCIENCE*, 95(6), 3110-3124. 10.3168/jds.2011-5164
- Dufour, S; Dohoo, IR; Barkema, HW; DesCoteaux, L; DeVries, TJ; Reyher, KK; Roy, JP; Scholl, DT (2012). Manageable risk factors associated with the lactational incidence, elimination, and prevalence of *Staphylococcus aureus* intramammary infections in dairy cows. *JOURNAL OF DAIRY SCIENCE*, 95(3), 1283-1300. 10.3168/jds.2011-4711
- Dukeshire, S; Masakure, O; Mendoza, J; Holmes, B; Murray, N (2015). Understanding consumer choices for Ontario produce. *RENEWABLE AGRICULTURE AND FOOD SYSTEMS*, 30(5), 439-449. 10.1017/S1742170514000234
- Duncan, E; Ashton, L; Abdulai, AR; Sawadogo-Lewis, T; King, SE; Fraser, EDG; Vosti, S; Haines, J; Knight, F; Roberton, T (). Connecting the food and agriculture sector to nutrition interventions for improved health outcomes. *FOOD SECURITY*, (), . 10.1007/s12571-022-01262-3
- Duncan, E; Glaros, A; Ross, DZ; Nost, E (2021). New but for whom? Discourses of innovation in precision agriculture. *AGRICULTURE AND HUMAN VALUES*, 38(4), 1181-1199. 10.1007/s10460-021-10244-8
- Duncan, IJH; Park, M; Malleau, AE (2012). Global Animal Partnership's 5-Step (TM) Animal Welfare Rating Standards: a welfare-labelling scheme that allows for continuous improvement. *ANIMAL WELFARE*, 21(), 113-116. 10.7120/096272812X13345905673926

- Easton, AA; Moghadam, HK; Danzmann, RG; Ferguson, MM (2011). The genetic architecture of embryonic developmental rate and genetic covariation with age at maturation in rainbow trout *Oncorhynchus mykiss*. *JOURNAL OF FISH BIOLOGY*, 78(2), 602-623. 10.1111/j.1095-8649.2010.02881.x
- Eaton, WD; McGee, KM; Hoke, E; Lemenze, A; Hajibabaei, M (2020). Influence of Two Important Leguminous Trees on Their Soil Microbiomes and Nitrogen Cycle Activities in a Primary and Recovering Secondary Forest in the Northern Zone of Costa Rica. *SOIL SYSTEMS*, 4(4), . 10.3390/soilsystems4040065
- Ebtehaj, I; Bonakdari, H; Gharabaghi, B (2019). A reliable linear method for modeling lake level fluctuations. *JOURNAL OF HYDROLOGY*, 570(), 236-250. 10.1016/j.jhydrol.2019.01.010
- Eckert, LE; Claxton, NX; Owens, C; Johnston, A; Ban, NC; Moola, F; Darimont, CT (2020). Indigenous knowledge and federal environmental assessments in Canada: applying past lessons to the 2019 impact assessment act. *FACETS*, 5(), 67-90. 10.1139/facets-2019-0039
- Edge, CB; Rollinson, N; Brooks, RJ; Congdon, JD; Iverson, JB; Janzen, FJ; Litzgus, JD (2017). Phenotypic plasticity of nest timing in a post-glacial landscape: how do reptiles adapt to seasonal time constraints?. *ECOLOGY*, 98(2), 512-524. 10.1002/ecy.1665
- Edge, TA; Baird, DJ; Bilodeau, G; Gagne, N; Greer, C; Konkin, D; Newton, G; Seguin, A; Beaudette, L; Bilkhu, S; Bush, A; Chen, W; Comte, J; Condie, J; Crevecoeur, S; El-Kayssi, N; Emilson, EJS; Fancy, DL; Kandalaf, I; Khan, IUH; King, I; Kreuzweiser, D; Lapen, D; Lawrence, J; Lowe, C; Lung, O; Martineau, C; Meier, M; Ogden, N; Pare, D; Phillips, L; Porter, TM; Sachs, J; Staley, Z; Steeves, R; Venier, L; Veres, T; Watson, C; Watson, S; Macklin, J (2020). The Ecobiomics project: Advancing metagenomics assessment of soil health and freshwater quality in Canada. *SCIENCE OF THE TOTAL ENVIRONMENT*, 710(), . 10.1016/j.scitotenv.2019.135906
- Eger, S; Minnes, S; Vodden, K; Hudson, A; Parewick, K; Walsh, D (2021). COVID-19 and Drinking Water Security in Rural, Remote and Indigenous Communities: The Role of Collaboration among Diverse Actors in Responding to a Global Pandemic. *JOURNAL OF RURAL AND COMMUNITY DEVELOPMENT*, 16(4), 112-140.
- Eichelmann, E; Wagner-Riddle, C; Warland, J; Deen, B; Voroney, P (2016). Evapotranspiration, water use efficiency, and energy partitioning of a mature switchgrass stand. *AGRICULTURAL AND FOREST METEOROLOGY*, 217(), 108-119. 10.1016/j.agrformet.2015.11.008
- Eisner, S; Florke, M; Chamorro, A; Daggupati, P; Donnelly, C; Huang, J; Hundecha, Y; Koch, H; Kalugin, A; Krylenko, I; Mishra, V; Piniewski, M; Samaniego, L; Seidou, O; Wallner, M; Krysanova, V (2017). An ensemble analysis of climate change impacts

- on streamflow seasonality across 11 large river basins. *CLIMATIC CHANGE*, 141(3), 401-417. 10.1007/s10584-016-1844-5
- Eissa, MA; Mahmoud, HH; Shouakar-Stash, O; El-Shiekh, A; Parker, B (2016). Geophysical and geochemical studies to delineate seawater intrusion in Bagoush area, Northwestern coast, Egypt. *JOURNAL OF AFRICAN EARTH SCIENCES*, 121(), 365-381. 10.1016/j.jafrearsci.2016.05.031
- Elansary, HO; Ashfaq, M; Ali, HM; Yessoufou, K (2017). The first initiative of DNA barcoding of ornamental plants from Egypt and potential applications in horticulture industry. *PLOS ONE*, 12(2), . 10.1371/journal.pone.0172170
- Elias, A; McLaughlin, R; Mackereth, R; Wilson, C; Nichols, KM (2018). Population structure and genomic variation of ecological life history diversity in wild-caught Lake Superior brook trout, *Salvelinus fontinalis*. *JOURNAL OF GREAT LAKES RESEARCH*, 44(6), 1373-1382. 10.1016/j.jglr.2018.08.006
- Ellard-Gray, A; Jeffrey, NK; Choubak, M; Crann, SE (2015). Finding the Hidden Participant: Solutions for Recruiting Hidden, Hard-to-Reach, and Vulnerable Populations. *INTERNATIONAL JOURNAL OF QUALITATIVE METHODS*, 14(), . 10.1177/1609406915621420
- Ellis, JL; Dijkstra, J; Bannink, A; Parsons, AJ; Rasmussen, S; Edwards, GR; Kebreab, E; France, J (2011). The effect of high-sugar grass on predicted nitrogen excretion and milk yield simulated using a dynamic model. *JOURNAL OF DAIRY SCIENCE*, 94(6), 3105-3118. 10.3168/jds.2010-4059
- Elsadr, H; Sherif, S; Banks, T; Somers, D; Jayasankar, S (2019). Refining the Genomic Region Containing a Major Locus Controlling Fruit Maturity in Peach. *SCIENTIFIC REPORTS*, 9(), . 10.1038/s41598-019-44042-4
- Elzinga, SE; Weese, JS; Adams, AA (2016). Comparison of the Fecal Microbiota in Horses With Equine Metabolic Syndrome and Metabolically Normal Controls Fed a Similar All-Forage Diet. *JOURNAL OF EQUINE VETERINARY SCIENCE*, 44(), 9-16. 10.1016/j.jevs.2016.05.010
- Emsen, B; Guzman-Novoa, E; Hamiduzzaman, MM; Eccles, L; Lacey, B; Ruiz-Perez, RA; Nasr, M (2016). Higher prevalence and levels of *Nosema ceranae* than *Nosema apis* infections in Canadian honey bee colonies. *PARASITOLOGY RESEARCH*, 115(1), 175-181. 10.1007/s00436-015-4733-3
- Enouri, SS; Guerin, MT; Wilson, IG; Dowling, PM; Johnson, RJ (2019). Tissue residue depletion of fenbendazole after oral administration in turkeys. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 60(3), 282-286.
- Epp, T; Argue, C; Waldner, C; Berke, O (2010). Spatial analysis of an anthrax outbreak in Saskatchewan, 2006. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 51(7), 743-748.



- Eregae, ME; Dewey, CE; McEwen, SA; Ouckama, R; Ojkic, D; Guerin, MT (2014). Flock Prevalence of Exposure to Avian Adeno-Associated Virus, Chicken Anemia Virus, Fowl Adenovirus, and Infectious Bursal Disease Virus Among Ontario Broiler Chicken Flocks. *AVIAN DISEASES*, 58(1), 71-77. 10.1637/10612-071113-Reg.1
- Erfatpour, M; Duizer, L; Pauls, KP (2021). Investigations of the effects of the non-darkening seed coat trait coded by the recessive *jj* alleles on agronomic, sensory, and cooking characteristics in pinto beans. *CROP SCIENCE*, 61(3), 1843-1863. 10.1002/csc2.20477
- Escobar, SS; Odame, HH; Tegbaru, A (2017). Gender transformative approaches in agricultural innovation The case of the Papa Andina Initiative in Peru. *SUSTAINABLE INTENSIFICATION IN SMALLHOLDER AGRICULTURE: AN INTEGRATED SYSTEMS RESEARCH APPROACH*, (), 304-315.
- Eskandari, M; Cober, ER; Rajcan, I (2013). Genetic control of soybean seed oil: I. QTL and genes associated with seed oil concentration in RIL populations derived from crossing moderately high-oil parents. *THEORETICAL AND APPLIED GENETICS*, 126(2), 483-495. 10.1007/s00122-012-1995-3
- Eskandari, M; Cober, ER; Rajcan, I (2013). Using the candidate gene approach for detecting genes underlying seed oil concentration and yield in soybean. *THEORETICAL AND APPLIED GENETICS*, 126(7), 1839-1850. 10.1007/s00122-013-2096-7
- Esmailzadeh, S; Asgharipour, MR; Bazrgar, AB; Soufizadeh, S; Karandish, F (2019). Assessing the carbon footprint of irrigated and dryland wheat with a life cycle approach in bojnourd. *ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY*, 38(4), . 10.1002/ep.13134
- Etbaiha, F; Willms, AR; Poljak, Z (2018). An SEIR model of influenza A virus infection and reinfection within a farrow-to-finish swine farm. *PLOS ONE*, 13(9), . 10.1371/journal.pone.0202493
- Ethier, DM; Koper, N; Nudds, TD (2017). Spatiotemporal variation in mechanisms driving regional-scale population dynamics of a Threatened grassland bird. *ECOLOGY AND EVOLUTION*, 7(12), 4152-4162. 10.1002/ece3.3004
- Ethier, DM; Sayers, JB; Kyle, CJ; Nocera, JJ; Ojkic, D; Campbell, D (2017). THE OCCURRENCE OF PATHOGENS IN AN ENDANGERED POPULATION OF AMERICAN BADGERS (*TAXIDEA TAXUS JACKSONI*) IN ONTARIO, CANADA. *JOURNAL OF WILDLIFE DISEASES*, 53(1), 73-80. 10.7589/2016-02-040
- Evans, L; VanderZaag, AC; Sokolov, V; Balde, H; MacDonald, D; Wagner-Riddle, C; Gordon, R (2018). Ammonia emissions from the field application of liquid dairy manure after anaerobic digestion or mechanical separation in Ontario, Canada.

*AGRICULTURAL AND FOREST METEOROLOGY*, 258(), 89-95.  
10.1016/j.agrformet.2018.02.017

Everitt, JI; Treuting, PM; Scudamore, C; Sellers, R; Turner, PV; Ward, JM; Zeiss, CJ (2018). Pathology Study Design, Conduct, and Reporting to Achieve Rigor and Reproducibility in Translational Research Using Animal Models. *ILAR JOURNAL*, 59(1), 4-12. 10.1093/ilar/ily020

Eyre, R; Lindsay, J; Laamrani, A; Berg, A (2021). Within-Field Yield Prediction in Cereal Crops Using LiDAR-Derived Topographic Attributes with Geographically Weighted Regression Models. *REMOTE SENSING*, 13(20), . 10.3390/rs13204152

Fairweather, AD; Lewis, JH; Hunt, L; McAlpine, DF; Smith, MA (2020). Ants (Hymenoptera: Formicidae) of Rockwood Park, New Brunswick: An Assessment of Species Richness and Habitat. *NORTHEASTERN NATURALIST*, 27(3), 576-584. 10.1656/045.027.0316

Falzon, LC; Menzies, PI; Shakya, KP; Jones-Bitton, A; Vanleeuwen, J; Avula, J; Jansen, JT; Peregrine, AS (2013). A longitudinal study on the effect of lambing season on the periparturient egg rise in Ontario sheep flocks. *PREVENTIVE VETERINARY MEDICINE*, 110(3-4), 467-480. 10.1016/j.prevetmed.2012.12.007

Falzon, LC; Menzies, PI; Shakya, KP; Jones-Bitton, A; Vanleeuwen, J; Avula, J; Stewart, H; Jansen, JT; Taylor, MA; Learmount, J; Peregrine, AS (2013). Anthelmintic resistance in sheep flocks in Ontario, Canada. *VETERINARY PARASITOLOGY*, 193(1-3), 150-162. 10.1016/j.vetpar.2012.11.014

Falzon, LC; Menzies, PI; Vanleeuwen, J; Jones-Bitton, A; Shakya, KP; Avula, J; Jansen, JT; Peregrine, AS (2013). A survey of farm management practices and their associations with anthelmintic resistance in sheep flocks in Ontario, Canada. *SMALL RUMINANT RESEARCH*, 114(1), 41-45. 10.1016/j.smallrumres.2013.06.007

Fan, MZ; Archbold, T (2012). Effects of dietary true digestible calcium to phosphorus ratio on growth performance and efficiency of calcium and phosphorus use in growing pigs fed corn and soybean meal-based diets. *JOURNAL OF ANIMAL SCIENCE*, 90(), 254-256. 10.2527/jas.54005

Fan, ZS; McGuire, AD; Turetsky, MR; Harden, JW; Waddington, JM; Kane, ES (2013). The response of soil organic carbon of a rich fen peatland in interior Alaska to projected climate change. *GLOBAL CHANGE BIOLOGY*, 19(2), 604-620. 10.1111/gcb.12041

Farid, M; Earl, HJ; Navabi, A (2016). Yield Stability of Dry Bean Genotypes across Nitrogen-Fixation-Dependent and Fertilizer-Dependent Management Systems. *CROP SCIENCE*, 56(1), 173-182. 10.2135/cropsci2015.06.0343

- Farid, M; Navabi, A (2015). N-2 fixation ability of different dry bean genotypes. *CANADIAN JOURNAL OF PLANT SCIENCE*, 95(6), 1243-1257. 10.4141/CJPS-2015-084
- Farzan, A; Friendship, RM; Cook, A; Pollari, F (2010). Occurrence of Salmonella, Campylobacter, Yersinia enterocolitica, Escherichia coli O157 and Listeria monocytogenes in Swine. *ZOONOSES AND PUBLIC HEALTH*, 57(6), 388-396. 10.1111/j.1863-2378.2009.01248.x
- Farzan, A; Friendship, RM; Dewey, CE; Poppe, C; Funk, J (2010). Evaluation of the Risk Factors for Shedding Salmonella with or without Antimicrobial Resistance in Swine Using Multinomial Regression Method. *ZOONOSES AND PUBLIC HEALTH*, 57(), 85-93. 10.1111/j.1863-2378.2010.01357.x
- Farzan, A; Kircanski, J; DeLay, J; Soltis, G; Songer, JG; Friendship, R; Prescott, JF (2013). An investigation into the association between cpb2-encoding Clostridium perfringens type A and diarrhea in neonatal piglets. *CANADIAN JOURNAL OF VETERINARY RESEARCH-REVUE CANADIENNE DE RECHERCHE VETERINAIRE*, 77(1), 45-53.
- Farzan, A; Parrington, L; Coklin, T; Cook, A; Pintar, K; Pollari, F; Friendship, R; Farber, J; Dixon, B (2011). Detection and Characterization of Giardia duodenalis and Cryptosporidium spp. on Swine Farms in Ontario, Canada. *FOODBORNE PATHOGENS AND DISEASE*, 8(11), 1207-1213. 10.1089/fpd.2011.0907
- Fathololoumi, S; Vaezi, AR; Alavipanah, SK; Ghorbani, A; Saurette, D; Biswas, A (2020). Improved digital soil mapping with multitemporal remotely sensed satellite data fusion: A case study in Iran. *SCIENCE OF THE TOTAL ENVIRONMENT*, 721(), . 10.1016/j.scitotenv.2020.137703
- Fathololoumi, S; Vaezi, AR; Firozjaei, MK; Biswas, A (2021). Quantifying the effect of surface heterogeneity on soil moisture across regions and surface characteristic. *JOURNAL OF HYDROLOGY*, 596(), . 10.1016/j.jhydrol.2021.126132
- Fawcett, DL; Casey-Trott, TM; Jensen, L; Caston, LJ; Widowski, TM (2020). Strain differences and effects of different stocking densities during rearing on the musculoskeletal development of pullets. *POULTRY SCIENCE*, 99(9), 4153-4161. 10.1016/j.psj.2020.05.046
- Febriani, Y; Levallois, P; Gingras, S; Gosselin, P; Majowicz, SE; Fleury, MD (2010). The association between farming activities, precipitation, and the risk of acute gastrointestinal illness in rural municipalities of Quebec, Canada: a cross-sectional study. *BMC PUBLIC HEALTH*, 10(), . 10.1186/1471-2458-10-48
- Fernandez-Rodriguez, MJ; Mushtaq, M; Tian, L; Jimenez-Rodriguez, A; Rincon, B; Gilroyed, BH; Borja, R (). Evaluation and modelling of methane production from

corn stover pretreated with various physicochemical techniques. *WASTE MANAGEMENT & RESEARCH*, (), . 10.1177/0734242X211038185

- Fernandez-Triana, JL (2010). Eight new species and an annotated checklist of Microgastrinae (Hymenoptera, Braconidae) from Canada and Alaska. *ZOOKEYS*, (63), 1-53. 10.3897/zookeys.63.565
- Ferreira, JB; Grgic, H; Friendship, R; Nagy, E; Poljak, Z (2018). Influence of microclimate conditions on the cumulative exposure of nursery pigs to swine influenza A viruses. *TRANSBOUNDARY AND EMERGING DISEASES*, 65(1), e145-e154. 10.1111/tbed.12701
- Ferreira, JB; Grgic, H; Friendship, R; Wideman, G; Nagy, E; Poljak, Z (2017). Longitudinal study of influenza A virus circulation in a nursery swine barn. *VETERINARY RESEARCH*, 48(), . 10.1186/s13567-017-0466-x
- Filippini, M; Parker, BL; Dinelli, E; Wanner, P; Chapman, SW; Gargini, A (2020). Assessing aquitard integrity in a complex aquifer - aquitard system contaminated by chlorinated hydrocarbons. *WATER RESEARCH*, 171(), . 10.1016/j.watres.2019.115388
- Fillingham, M; VanderZaag, AC; Singh, J; Burt, S; Crolla, A; Kinsley, C; MacDonald, JD (2017). Characterizing the Performance of Gas-Permeable Membranes as an Ammonia Recovery Strategy from Anaerobically Digested Dairy Manure. *MEMBRANES*, 7(4), . 10.3390/membranes7040059
- Finger, RA; Turetsky, MR; Kielland, K; Ruess, RW; Mack, MC; Euskirchen, ES (2016). Effects of permafrost thaw on nitrogen availability and plant-soil interactions in a boreal Alaskan lowland. *JOURNAL OF ECOLOGY*, 104(6), 1542-1554. 10.1111/1365-2745.12639
- Finley, RL; Collignon, P; Larsson, DGJ; McEwen, SA; Li, XZ; Gaze, WH; Reid-Smith, R; Timinouni, M; Graham, DW; Topp, E (2013). The Scourge of Antibiotic Resistance: The Important Role of the Environment. *CLINICAL INFECTIOUS DISEASES*, 57(5), 704-710. 10.1093/cid/cit355
- Finnis, E (2017). They go to the city, and sometimes they come back: Conceptualising rural and urban spaces through experiences of circular migration in Paraguay. *CRITIQUE OF ANTHROPOLOGY*, 37(4), 383-400. 10.1177/0308275X17735366
- Finnis, E; Benitez, C; Romero, EFC; Meza, MJA (2012). CHANGES TO AGRICULTURAL DECISION MAKING AND FOOD PROCUREMENT STRATEGIES IN RURAL PARAGUAY. *LATIN AMERICAN RESEARCH REVIEW*, 47(2), 180-190.
- Fiorino, GE; McAdam, AG (2018). Local differentiation in the defensive morphology of an invasive zooplankton species is not genetically based. *BIOLOGICAL INVASIONS*, 20(1), 235-250. 10.1007/s10530-017-1530-1

- Fischer-Tlustos, AJ; Pyo, J; Song, Y; Renaud, DL; Guan, LL; Steele, MA (2020). Short communication: Effect of delaying the first colostrum feeding on small intestinal histomorphology and serum insulin-like growth factor-1 concentrations in neonatal male Holstein calves. *JOURNAL OF DAIRY SCIENCE*, 103(12), 12109-12116. 10.3168/jds.2020-18966
- Fisher, RE; Karrow, NA; Quinton, M; Finegan, EJ; Miller, SP; Atkinson, JL; Boermans, HJ (2010). Endotoxin exposure during late pregnancy alters ovine offspring febrile and hypothalamic-pituitary-adrenal axis responsiveness later in life. *STRESS-THE INTERNATIONAL JOURNAL ON THE BIOLOGY OF STRESS*, 13(4), 335-343. 10.3109/10253891003663762
- Fleming, A; Schenkel, FS; Chen, J; Malchiodi, F; Ali, RA; Mallard, B; Sargolzaei, M; Corredig, M; Miglior, F (2017). Variation in fat globule size in bovine milk and its prediction using mid-infrared spectroscopy. *JOURNAL OF DAIRY SCIENCE*, 100(3), 1640-1649. 10.3168/jds.2016-11427
- Fleming, A; Schenkel, FS; Chen, J; Malchiodi, F; Bonfatti, V; Ali, RA; Mallard, B; Corredig, M; Miglior, F (2017). Prediction of milk fatty acid content with mid-infrared spectroscopy in Canadian dairy cattle using differently distributed model development sets. *JOURNAL OF DAIRY SCIENCE*, 100(6), 5073-5081. 10.3168/jds.2016-12102
- Fleming, AJ; Wood, DM; Smith, MA; Dapkey, T; Hallwachs, W; Janzen, D (2017). A new species of *Voria* Robineau-Desvoidy (Diptera: Tachinidae) from Area de Conservacion Guanacaste in northwestern Costa Rica. *BIODIVERSITY DATA JOURNAL*, 5(), . 10.3897/BDJ.5.e20123
- Flockhart, DTT; Martin, TG; Norris, DR (2012). Experimental Examination of Intraspecific Density-Dependent Competition during the Breeding Period in Monarch Butterflies (*Danaus plexippus*). *PLOS ONE*, 7(9), . 10.1371/journal.pone.0045080
- Flockhart, L; Pintar, K; Cook, A; McEwen, S; Friendship, R; Kelton, D; Pollari, F (2017). Distribution of *Salmonella* in Humans, Production Animal Operations and a Watershed in a FoodNet Canada Sentinel Site. *ZOOZOSES AND PUBLIC HEALTH*, 64(1), 41-52. 10.1111/zph.12281
- Flores-Moreno, H; Fazayeli, F; Banerjee, A; Datta, A; Kattge, J; Butler, EE; Atkin, OK; Wythers, K; Chen, M; Anand, M; Bahn, M; Byun, C; Cornelissen, JHC; Craine, J; Gonzalez-Melo, A; Hattingh, WN; Jansen, S; Kraft, NJB; Kramer, K; Laughlin, DC; Minden, V; Niinemets, U; Onipchenko, V; Penuelas, J; Soudzilovskaia, NA; Dalrymple, RL; Reich, PB (2019). Robustness of trait connections across environmental gradients and growth forms. *GLOBAL ECOLOGY AND BIOGEOGRAPHY*, 28(12), 1806-1826. 10.1111/geb.12996

- Floyd, R; Lima, J; deWaard, J; Humble, L; Hanner, R (2010). Common goals: policy implications of DNA barcoding as a protocol for identification of arthropod pests. *BIOLOGICAL INVASIONS*, 12(9), 2947-2954. 10.1007/s10530-010-9709-8
- Fonseca, M; Heider, LC; Leger, D; McClure, JT; Rizzo, D; Dufour, S; Kelton, DF; Renaud, D; Barkema, HW; Sanchez, J (2022). Canadian Dairy Network for Antimicrobial Stewardship and Resistance (CaDNetASR): An On-Farm Surveillance System. *FRONTIERS IN VETERINARY SCIENCE*, 8(), . 10.3389/fvets.2021.799622
- Fonseca, PAD; Id-Lahoucine, S; Reverter, A; Medrano, JF; Fortes, MS; Casellas, J; Miglior, F; Brito, L; Carvalho, MRS; Schenkel, FS; Nguyen, LT; Porto-Neto, LR; Thomas, MG; Canovas, A (2018). Combining multi-OMICs information to identify key-regulator genes for pleiotropic effect on fertility and production traits in beef cattle. *PLOS ONE*, 13(10), . 10.1371/journal.pone.0205295
- Fonseca, PAS; Schenkel, FS; Canovas, A (2022). Genome-wide association study using haplotype libraries and repeated-measures model to identify candidate genomic regions for stillbirth in Holstein cattle. *JOURNAL OF DAIRY SCIENCE*, 105(2), 1314-1326. 10.3168/jds.2021-20936
- Fonseca, PAS; Suarez-Vega, A; Canovas, A (2020). Weighted Gene Correlation Network Meta-Analysis Reveals Functional Candidate Genes Associated with High- and Sub-Fertile Reproductive Performance in Beef Cattle. *GENES*, 11(5), . 10.3390/genes11050543
- Fontoura, ABP; Montanholi, YR; de Amorim, MD; Foster, RA; Chenier, T; Miller, SP (2016). Associations between feed efficiency, sexual maturity and fertility-related measures in young beef bulls. *ANIMAL*, 10(1), 96-105. 10.1017/S1751731115001925
- Ford, JD; Sherman, M; Berrang-Ford, L; Llanos, A; Carcamo, C; Harper, S; Lwasa, S; Namanya, D; Marcello, T; Maillet, M; Edge, V (2018). Preparing for the health impacts of climate change in Indigenous communities: The role of community-based adaptation. *GLOBAL ENVIRONMENTAL CHANGE-HUMAN AND POLICY DIMENSIONS*, 49(), 129-139. 10.1016/j.gloenvcha.2018.02.006
- Ford, JD; Stephenson, E; Willox, AC; Edge, V; Farahbakhsh, K; Furgal, C; Harper, S; Chatwood, S; Mauro, I; Pearce, T; Austin, S; Bunce, A; Bussalleu, A; Diaz, J; Finner, K; Gordon, A; Huet, C; Kitching, K; Lardeau, MP; McDowell, G; McDonald, E; Nakoneczny, L; Sherman, M (2016). Community-based adaptation research in the Canadian Arctic. *WILEY INTERDISCIPLINARY REVIEWS-CLIMATE CHANGE*, 7(2), 175-191. 10.1002/wcc.376
- Fraker, ME; Keitzer, SC; Sinclair, JS; Aloysius, NR; Dippold, DA; Yen, H; Arnold, JG; Daggupati, P; Johnson, MVV; Martin, JF; Robertson, DM; Sowa, SP; White, MJ; Ludsin, SA (2020). Projecting the effects of agricultural conservation practices on

stream fish communities in a changing climate. *SCIENCE OF THE TOTAL ENVIRONMENT*, 747(), . 10.1016/j.scitotenv.2020.141112

- Frank, RA; Sanderson, H; Kavanagh, R; Burnison, BK; Headley, JV; Solomon, KR (2010). Use of a (Quantitative) Structure-Activity Relationship [(Q)Sar] Model to Predict the Toxicity of Naphthenic Acids. *JOURNAL OF TOXICOLOGY AND ENVIRONMENTAL HEALTH-PART A-CURRENT ISSUES*, 73(4), 319-329. 10.1080/15287390903421235
- Franks, SE; Norris, DR; Kyser, TK; Fernandez, G; Schwarz, B; Carmona, R; Colwell, MA; Sandoval, JC; Dondua, A; Gates, HR; Haase, B; Hodkinson, DJ; Jimenez, A; Lanctot, RB; Ortego, B; Sandercock, BK; Sanders, F; Takekawa, JY; Warnock, N; Ydenberg, RC; Lank, DB (2012). Range-wide patterns of migratory connectivity in the western sandpiper *Calidris mauri*. *JOURNAL OF AVIAN BIOLOGY*, 43(2), 155-167. 10.1111/j.1600-048X.2012.05573.x
- Franz, E; Delaquis, P; Morabito, S; Beutin, L; Gobijs, K; Rasko, DA; JimBono; NigelFrench; Osek, J; Lindstedt, BA; Muniesa, M; Manning, S; LeJeune, J; Callaway, T; Beatson, S; Eppinger, M; Dallman, T; Forbes, KJ; Aarts, H; Pearl, DL; Gannon, VPJ; Laing, CR; Strachan, NJC (2015). Exploiting the explosion of information associated with whole genome sequencing to tackle Shiga toxin-producing *Escherichia coli* (STEC) in global food production systems (vol 187, pg 57, 2014). *INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY*, 193(), 159-159. 10.1016/j.ijfoodmicro.2014.09.026
- Fraser-Celin, VL; Hovorka, AJ; Hovorka, M; Maude, G (2017). Farmer-African wild dog (*Lycaon pictus*) relations in the eastern Kalahari region of Botswana. *KOEDOE*, 59(2), . 10.4102/koedoe.v59i2.1366
- Fraser-Celin, VL; Hovorka, AJ; Hovorka, M; Maude, G (2017). Farmer-African wild dog (*Lycaon pictus*) relations in the eastern Kalahari region of Botswana (vol 59, A1366, 2017). *KOEDOE*, 59(2), .
- Fraser, EDG (2020). The challenge of feeding a diverse and growing population. *PHYSIOLOGY & BEHAVIOR*, 221(), . 10.1016/j.physbeh.2020.112908
- Fraser, EDG; Campbell, M (2019). Agriculture 5.0: Reconciling Production with Planetary Health Comment. *ONE EARTH*, 1(3), 278-280. 10.1016/j.oneear.2019.10.022
- Fraser, EDG; Dougill, AJ; Hubacek, K; Quinn, CH; Sendzimir, J; Termansen, M (2011). Assessing Vulnerability to Climate Change in Dryland Livelihood Systems: Conceptual Challenges and Interdisciplinary Solutions. *ECOLOGY AND SOCIETY*, 16(3), . 10.5751/ES-03402-160303
- Fraser, EDG; Simelton, E; Termansen, M; Gosling, SN; South, A (2013). "Vulnerability hotspots": Integrating socio-economic and hydrological models to identify where

cereal production may decline in the future due to climate change induced drought. *AGRICULTURAL AND FOREST METEOROLOGY*, 170(), 195-205. 10.1016/j.agrformet.2012.04.008

Fraser, TD; Lynch, DH; Bent, E; Entz, MH; Dunfield, KE (2015). Soil bacterial phoD gene abundance and expression in response to applied phosphorus and long-term management. *SOIL BIOLOGY & BIOCHEMISTRY*, 88(), 137-147. 10.1016/j.soilbio.2015.04.014

Fraser, TD; Lynch, DH; Gaiero, J; Khosla, K; Dunfield, KE (2017). Quantification of bacterial non-specific acid (phoC) and alkaline (phoD) phosphatase genes in bulk and rhizosphere soil from organically managed soybean fields. *APPLIED SOIL ECOLOGY*, 111(), 48-56. 10.1016/j.apsoil.2016.11.013

Fraser, TD; Lynch, DH; O'Halloran, IP; Voroney, RP; Entz, MH; Dunfield, KE (2019). Soil phosphorus bioavailability as influenced by long-term management and applied phosphorus source. *CANADIAN JOURNAL OF SOIL SCIENCE*, 99(3), 292-304. 10.1139/cjss-2018-0075

Freeman, NE; Norris, DR; Sutton, AO; Newman, AEM (2020). Raising young with limited resources: supplementation improves body condition and advances fledging of Canada Jays. *ECOLOGY*, 101(1), . 10.1002/ecy.2909

Freitas, PHF; Oliveira, HR; Silva, FF; Fleming, A; Schenkel, FS; Miglior, F; Brito, LF (2020). Short communication: Time-dependent genetic parameters and single-step genome-wide association analyses for predicted milk fatty acid composition in Ayrshire and Jersey dairy cattle. *JOURNAL OF DAIRY SCIENCE*, 103(6), 5263-5269. 10.3168/jds.2019-17820

Frewin, AJ; Schaafsma, AW; Hallett, RH (2014). Susceptibility of *Aphelinus certus* (Hymenoptera: Aphelinidae) to Neonicotinoid Seed Treatments Used for Soybean Pest Management. *JOURNAL OF ECONOMIC ENTOMOLOGY*, 107(4), 1450-1457. 10.1603/EC13523

Frey, SK; Rudolph, DL; Parkin, GW (2012). Spatial and Temporal Influences on Hydraulic Properties in Macroporous Tile-Drained Soil. *SOIL SCIENCE SOCIETY OF AMERICA JOURNAL*, 76(2), 350-360. 10.2136/sssaj2011.0194

Friesen, AP; Conner, RL; Robinson, DE; Barton, WR; Chatterton, S; Gillard, CL (2018). Microwave radiation effect with and without chemical seed treatments on halo blight infected seed, seed germination, plant vigour, and yield of dry beans. *CANADIAN JOURNAL OF PLANT SCIENCE*, 98(3), 648-656. 10.1139/cjps-2016-0396

Frisch, D; Cottenie, K; Badosa, A; Green, AJ (2012). Strong Spatial Influence on Colonization Rates in a Pioneer Zooplankton Metacommunity. *PLOS ONE*, 7(7), . 10.1371/journal.pone.0040205



- Fryxell, JM; Avgar, T; Liu, BY; Baker, JA; Rodgers, AR; Shuter, J; Thompson, ID; Reid, DEB; Kittle, AM; Mosser, A; Newmaster, SG; Nudds, TD; Street, GM; Brown, GS; Patterson, B (2020). Anthropogenic Disturbance and Population Viability of Woodland Caribou in Ontario. *JOURNAL OF WILDLIFE MANAGEMENT*, 84(4), 636-650. 10.1002/jwmg.21829
- Fryxell, JM; Packer, C; McCann, K; Solberg, EJ; Saether, BE (2010). Resource Management Cycles and the Sustainability of Harvested Wildlife Populations. *SCIENCE*, 328(5980), 903-906. 10.1126/science.1185802
- Fuller, KD; Gordon, R; Grimmett, M; Fillmore, S; Madani, A; VanRoestel, J; Stratton, GW; MacLeod, J; Embree, C; St George, E (2010). Seasonal and crop rotational effects of manure management on nitrate-nitrogen leaching in Nova Scotia. *AGRICULTURE ECOSYSTEMS & ENVIRONMENT*, 137(3-4), 267-275. 10.1016/j.agee.2010.02.012
- Fuller, KD; Gordon, R; Grimmett, M; Fillmore, S; Madani, A; VanRoestel, J; Stratton, GW; MacLeod, J; Embree, C; St George, E (2011). Seasonal and crop rotational effects of manure management on nitrate-nitrogen leaching in Nova Scotia (vol 137, pg 267, 2010). *AGRICULTURE ECOSYSTEMS & ENVIRONMENT*, 141(3-4), 466-466. 10.1016/j.agee.2011.04.010
- Gagnon, M; Ouamba, AJK; LaPointe, G; Chouinard, PY; Roy, D (2020). Prevalence and abundance of lactic acid bacteria in raw milk associated with forage types in dairy cow feeding. *JOURNAL OF DAIRY SCIENCE*, 103(7), 5931-5946. 10.3168/jds.2019-17918
- Gaiero, JR; McCall, CA; Thompson, KA; Day, NJ; Best, AS; Dunfield, KE (2013). INSIDE THE ROOT MICROBIOME: BACTERIAL ROOT ENDOPHYTES AND PLANT GROWTH PROMOTION. *AMERICAN JOURNAL OF BOTANY*, 100(9), 1738-1750. 10.3732/ajb.1200572
- Gallagher, CP; Guzzo, MM; Dick, TA (2019). Seasonal depth and temperature use, and diel movements of lake trout (*Salvelinus namaycush*) in a subarctic lake. *ARCTIC SCIENCE*, 5(2), 71-89. 10.1139/as-2017-0003
- Gamel, TH; Wright, AJ; Pickard, M; Abdel-Aal, ESM (2020). Characterization of anthocyanin-containing purple wheat prototype products as functional foods with potential health benefits. *CEREAL CHEMISTRY*, 97(1), 34-38. 10.1002/cche.10190
- Garber, A; Fordham, S; Tosh, J; Glebe, B; Forward, B; Manning, A; MacPhee, D; Robertson, W (2012). Atlantic Salmon Performance Selection and Broodstock Development Program for use in commercial saltwater aquaculture production on the east coast of Canada. *AQUACULTURE CANADA 2012 - FRONTIERS: BRIDGING TECHNOLOGY AND ECONOMIC GROWTH*, (22), 24-+.

- Garcia-Del Moral, P (2018). The Murders of Indigenous Women in Canada as Feminicides: Toward a Decolonial Intersectional Reconceptualization of Femicide. *SIGNS*, 43(4), 929-954. 10.1086/696692
- Gashout, HA; Goodwin, PH; Guzman-Novoa, E (2018). Lethality of synthetic and natural acaricides to worker honey bees (*Apis mellifera*) and their impact on the expression of health and detoxification-related genes. *ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH*, 25(34), 34730-34739. 10.1007/s11356-018-3205-6
- Gashout, HA; Guzman-Novoa, E; Goodwin, PH; Correa-Benitez, A (2020). Impact of sublethal exposure to synthetic and natural acaricides on honey bee (*Apis mellifera*) memory and expression of genes related to memory. *JOURNAL OF INSECT PHYSIOLOGY*, 121(), . 10.1016/j.jinsphys.2020.104014
- Gaspar, AP; Mueller, DS; Wise, KA; Chilvers, MI; Tenuta, AU; Conley, SP (2017). Response of Broad-Spectrum and Target-Specific Seed Treatments and Seeding Rate on Soybean Seed Yield, Profitability, and Economic Risk. *CROP SCIENCE*, 57(4), 2251-2262. 10.2135/cropsci2016.11.0967
- Gatto, IRH; Arruda, AG; Almeida, HMD; da Silva, GCP; Leite, AI; Samara, SI; Dutra, ID; Ogata, RA; de Oliveira, LG (2016). A cross-sectional study to estimate the frequency of anti-bovine viral diarrhoea virus-1 antibodies in domestic pigs of Mossoro region in the state of Rio Grande do Norte, Brazil. *CIENCIA RURAL*, 46(9), 1607-1612. 10.1590/0103-8478cr20151098
- Gaudin, ACM; Janovicek, K; Deen, B; Hooker, DC (2015). Wheat improves nitrogen use efficiency of maize and soybean-based cropping systems. *AGRICULTURE ECOSYSTEMS & ENVIRONMENT*, 210(), 1-10. 10.1016/j.agee.2015.04.034
- Gayin, J; Chandi, GK; Manful, J; Seetharaman, K (2015). Classification of Rice Based on Statistical Analysis of Pasting Properties and Apparent Amylose Content: The Case of *Oryza glaberrima* Accessions from Africa. *CEREAL CHEMISTRY*, 92(1), 22-28. 10.1094/CCHEM-04-14-0087-R
- Gebre, MG; Earl, HJ (2020). Effects of Growth Medium and Water Stress on Soybean [*Glycine max* (L.) Merr.] Growth, Soil Water Extraction and Rooting Profiles by Depth in 1-m Rooting Columns. *FRONTIERS IN PLANT SCIENCE*, 11(), . 10.3389/fpls.2020.00487
- Gebre, MG; Earl, HJ (2021). Soil Water Deficit and Fertilizer Placement Effects on Root Biomass Distribution, Soil Water Extraction, Water Use, Yield, and Yield Components of Soybean [*Glycine max* (L.) Merr.] Grown in 1-m Rooting Columns. *FRONTIERS IN PLANT SCIENCE*, 12(), . 10.3389/fpls.2021.581127

- Gee, SW; Kelton, DF; Carpenter, AJ (2021). Survey of feeding practices on dairy farms in Ontario and western Canada. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 101(4), 630-646. 10.1139/cjas-2020-0077
- Genet, H; McGuire, AD; Barrett, K; Breen, A; Euskirchen, ES; Johnstone, JF; Kasischke, ES; Melvin, AM; Bennett, A; Mack, MC; Rupp, TS; Schuur, AEG; Turetsky, MR; Yuan, F (2013). Modeling the effects of fire severity and climate warming on active layer thickness and soil carbon storage of black spruce forests across the landscape in interior Alaska. *ENVIRONMENTAL RESEARCH LETTERS*, 8(4), . 10.1088/1748-9326/8/4/045016
- Gentekaki, E; Kolisko, M; Gong, YC; Lynn, D (2017). Phylogenomics solves a long-standing evolutionary puzzle in the ciliate world: The subclass Peritrichia is monophyletic. *MOLECULAR PHYLOGENETICS AND EVOLUTION*, 106(), 1-5. 10.1016/j.ympev.2016.09.016
- Gentekaki, E; Lynn, D (2012). Spatial genetic variation, phylogeography and barcoding of the peritrichous ciliate *Carchesium polypinum*. *EUROPEAN JOURNAL OF PROTISTOLOGY*, 48(4), 305-313. 10.1016/j.ejop.2012.04.001
- George, TS; Giles, CD; Menezes-Blackburn, D; Condrón, LM; Gama-Rodrigues, AC; Jaisi, D; Lang, F; Neal, AL; Stutter, MI; Almeida, DS; Bol, R; Cabugao, KG; Celi, L; Cotner, JB; Feng, G; Goll, DS; Hallama, M; Krueger, J; Plassard, C; Rosling, A; Darch, T; Fraser, T; Giesler, R; Richardson, AE; Tamburini, F; Shand, CA; Lumsdon, DG; Zhang, H; Blackwell, MSA; Wearing, C; Mezeli, MM; Almas, AR; Audette, Y; Bertrand, I; Beyhaut, E; Boitt, G; Bradshaw, N; Brearley, CA; Bruulsema, TW; Ciais, P; Cozzolino, V; Duran, PC; Mora, ML; de Menezes, AB; Dodd, RJ; Dunfield, K; Engl, C; Frazao, JJ; Garland, G; Jimenez, JLG; Graca, J; Granger, SJ; Harrison, AF; Heuck, C; Hou, EQ; Johnes, PJ; Kaiser, K; Kjaer, HA; Klumpp, E; Lamb, AL; Macintosh, KA; Mackay, EB; McGrath, J; McIntyre, C; McLaren, T; Meszaros, E; Missong, A; Mooshammer, M; Negron, CP; Nelson, LA; Pfahler, V; Poblete-Grant, P; Randall, M; Seguel, A; Seth, K; Smith, AC; Smits, MM; Sobarzo, JA; Spohn, M; Tawarayama, K; Tibbett, M; Voroney, P; Wallander, H; Wang, L; Wasaki, J; Haygarth, PM (2018). Organic phosphorus in the terrestrial environment: a perspective on the state of the art and future priorities. *PLANT AND SOIL*, 427(1-2), 191-208. 10.1007/s11104-017-3391-x
- Ghavami, F; Elias, EM; Mamidi, S; Ansari, O; Sargolzaei, M; Adhikari, T; Mergoum, M; Kianian, SF (2011). Mixed Model Association Mapping for Fusarium Head Blight Resistance in Tunisian-Derived Durum Wheat Populations. *G3-GENES GENOMES GENETICS*, 1(3), 209-218. 10.1534/g3.111.000489
- Gherboudj, I; Magagi, R; Berg, AA; Toth, B (2017). Characterization of the Spatial Variability of In-Situ Soil Moisture Measurements for Upscaling at the Spatial Resolution of RADARSAT-2. *IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING*, 10(5), 1813-1823. 10.1109/JSTARS.2017.2649219

- Gherboudj, I; Magagi, R; Goita, K; Berg, AA; Toth, B; Walker, A (2012). Validation of SMOS Data Over Agricultural and Boreal Forest Areas in Canada. *IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING*, 50(5), 1623-1635. 10.1109/TGRS.2012.2188532
- Ghimire, U; Agarwal, A; Shrestha, NK; Daggupati, P; Srinivasan, G; Than, HH (2020). Applicability of Lumped Hydrological Models in a Data-Constrained River Basin of Asia. *JOURNAL OF HYDROLOGIC ENGINEERING*, 25(8), . 10.1061/(ASCE)HE.1943-5584.0001950
- Ghorbani, A; Dadjou, F; Moameri, M; Fekri, A; Andalibi, L; Biswas, A; Moghadam, SM; Sharifi, J (2021). Effect of grazing exclusion on soil and vegetation characteristics in desert steppe rangelands: a case study from north-western Iran. *ARID LAND RESEARCH AND MANAGEMENT*, 35(2), 213-229. 10.1080/15324982.2020.1850542
- Gibson, CM; Brinkman, T; Cold, H; Brown, D; Turetsky, M (2021). Identifying increasing risks of hazards for northern land-users caused by permafrost thaw: integrating scientific and community-based research approaches. *ENVIRONMENTAL RESEARCH LETTERS*, 16(6), . 10.1088/1748-9326/abfc79
- Gibson, DJ; Adamowicz, SJ; Jacobs, SR; Smith, MA (2018). Host Specificity in Subarctic Aphids. *ENVIRONMENTAL ENTOMOLOGY*, 47(1), 77-86. 10.1093/ee/nvx176
- Gibson, JF; Shokralla, S; Curry, C; Baird, DJ; Monk, WA; King, I; Hajibabaei, M (2015). Large-Scale Biomonitoring of Remote and Threatened Ecosystems via High-Throughput Sequencing. *PLOS ONE*, 10(10), . 10.1371/journal.pone.0138432
- Giddings, JM; Williams, WM; Solomon, KR; Giesy, JP (2013). Risks to aquatic organisms from the use of chlorpyrifos in North America. *ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY*, 246(), .
- Giersberg, MF; Renaud, D; Kemper, N (2021). Editorial: Perspectives in Dealing With Surplus Male Farm Animals. *FRONTIERS IN VETERINARY SCIENCE*, 8(), . 10.3389/fvets.2021.797081
- Gillard, CL; Ranatunga, NK; Conner, RL (2012). The control of dry bean anthracnose through seed treatment and the correct application timing of foliar fungicides. *CROP PROTECTION*, 37(), 81-90. 10.1016/j.cropro.2012.02.009
- Gillard, CL; Ranatunga, NK; Conner, RL (2012). The effect of foliar fungicide application timing on the control of dry bean anthracnose. *CANADIAN JOURNAL OF PLANT SCIENCE*, 92(1), 109-118. 10.4141/CJPS2010-018
- Gillman, JD; Tetlow, A; Hagely, K; Boersma, JG; Cardinal, A; Rajcan, I; Bilyeu, K (2014). Identification of the molecular genetic basis of the low palmitic acid seed oil trait in soybean mutant line RG3 and association analysis of molecular markers with

elevated seed stearic acid and reduced seed palmitic acid. *MOLECULAR BREEDING*, 34(2), 447-455. 10.1007/s11032-014-0046-y

Girgis, GN; Barta, JR; Brash, M; Smith, TK (2010). Morphologic Changes in the Intestine of Broiler Breeder Pullets Fed Diets Naturally Contaminated with Fusarium Mycotoxins With or Without Coccidial Challenge. *AVIAN DISEASES*, 54(1), 67-73. 10.1637/8945-052809-Reg.1

Girgis, GN; Barta, JR; Girish, CK; Karrow, NA; Boermans, HJ; Smith, TK (2010). Effects of feed-borne Fusarium mycotoxins and an organic mycotoxin adsorbent on immune cell dynamics in the jejunum of chickens infected with *Eimeria maxima*. *VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY*, 138(3), 218-223. 10.1016/j.vetimm.2010.07.018

Giubilini, A; Birkl, P; Douglas, T; Savulescu, J; Maslen, H (2017). Taxing Meat: Taking Responsibility for One's Contribution to Antibiotic Resistance. *JOURNAL OF AGRICULTURAL & ENVIRONMENTAL ETHICS*, 30(2), 179-198. 10.1007/s10806-017-9660-0

Glanc, DL; Campbell, CP; Cranfield, J; Swanson, KC; Mandell, IB (2015). Effects of production system and slaughter weight endpoint on growth performance, carcass traits, and beef quality from conventionally and naturally produced beef cattle. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 95(1), 37-47. 10.4141/CJAS-2014-084

Glemser, EJ; Dowling, L; Inglis, D; Pickering, GJ; Mcfadden-Smith, W; Sears, MK; Hallett, RH (2012). A Novel Method for Controlling Multicolored Asian Lady Beetle (Coleoptera: Coccinellidae) in Vineyards. *ENVIRONMENTAL ENTOMOLOGY*, 41(5), 1169-1176. 10.1603/EN11151

Glencross, BD; Huyben, D; Schrama, JW (2020). The Application of Single-Cell Ingredients in Aquaculture Feeds-A Review. *FISHES*, 5(3), . 10.3390/fishes5030022

Gludovacz, TV; Deora, A; McDonald, MR; Gossen, BD (2014). Cortical Colonization by *Plasmodiophora brassicae* in Susceptible and Resistant Cabbage Cultivars. *EUROPEAN JOURNAL OF PLANT PATHOLOGY*, 140(4), 859-862. 10.1007/s10658-014-0492-8

Goddard, E; Boaitay, A; Hailu, G; Poon, K (2016). Improving sustainability of beef industry supply chains. *BRITISH FOOD JOURNAL*, 118(6), 1533-1552. 10.1108/BFJ-10-2015-0411

Goetz, HM; Kelton, DF; Costa, JHC; Winder, CB; Renaud, DL (2021). Identification of biomarkers measured upon arrival associated with morbidity, mortality, and average daily gain in grain-fed veal calves. *JOURNAL OF DAIRY SCIENCE*, 104(1), 874-885. 10.3168/jds.2020-18729

- Goetz, HM; Winder, CB; Costa, JHC; Creutzinger, KC; Uyama, T; Kelton, DF; Dunn, J; Renaud, DL (2022). Characterizing the literature surrounding transportation of young dairy calves: A scoping review. *JOURNAL OF DAIRY SCIENCE*, 105(2), 1555-1572. 10.3168/jds.2021-21211
- Goldenberg, MJ (2015). How can Feminist Theories of Evidence Assist Clinical Reasoning and Decision-making?. *SOCIAL EPISTEMOLOGY*, 29(1), 3-30. 10.1080/02691728.2013.794871
- Golightly, HR; Brown, J; Bergeron, R; Poljak, Z; Roy, RC; Seddon, YM; O'Sullivan, TL (2021). Physiological response of weaned piglets to two transport durations observed in a Canadian commercial setting. *JOURNAL OF ANIMAL SCIENCE*, 99(12), . 10.1093/jas/skab311
- Golmohammadi, G; Prasher, SO; Madani, A; Rudra, RP; Youssef, MA (2016). SWATDRAIN, a new model to simulate the hydrology of agricultural Lands, model development and evaluation. *BIOSYSTEMS ENGINEERING*, 141(), 31-47. 10.1016/j.biosystemseng.2015.11.003
- Golmohammadi, G; Rudra, R; Prasher, S; Madani, A; Youssef, M; Goel, P; Mohammadi, K (2017). Impact of tile drainage on water budget and spatial distribution of sediment generating areas in an agricultural watershed. *AGRICULTURAL WATER MANAGEMENT*, 184(), 124-134. 10.1016/j.agwat.2017.02.001
- Gomez, DE; Arroyo, LG; Costa, MC; Viel, L; Weese, JS (2017). Characterization of the Fecal Bacterial Microbiota of Healthy and Diarrheic Dairy Calves. *JOURNAL OF VETERINARY INTERNAL MEDICINE*, 31(3), 928-939. 10.1111/jvim.14695
- Gomez, DE; Arroyo, LG; Lillie, B; Weese, JS (2021). Nasal bacterial microbiota during an outbreak of equine herpesvirus 1 at a farm in southern Ontario. *CANADIAN JOURNAL OF VETERINARY RESEARCH-REVUE CANADIENNE DE RECHERCHE VETERINAIRE*, 85(1), 3-11.
- Gomez, DE; Arroyo, LG; Renaud, DL; Viel, L; Weese, JS (2021). A multidisciplinary approach to reduce and refine antimicrobial drugs use for diarrhoea in dairy calves. *VETERINARY JOURNAL*, 274(), . 10.1016/j.tvjl.2021.105713
- Gonano, CV; Montanholi, YR; Schenkel, FS; Smith, BA; Cant, JP; Miller, SP (2014). The relationship between feed efficiency and the circadian profile of blood plasma analytes measured in beef heifers at different physiological stages. *ANIMAL*, 8(10), 1684-1698. 10.1017/S1751731114001463
- Goncalves-Souza, T; Romero, GQ; Cottenie, K (2014). Metacommunity versus Biogeography: A Case Study of Two Groups of Neotropical Vegetation-Dwelling Arthropods. *PLOS ONE*, 9(12), . 10.1371/journal.pone.0115137

- Gongora, LH; Ragetlie, N (2021). Addressing Covid-19 Challenges Through Multi-sectoral Collaboration: The Rural Rebound Case Studies. *JOURNAL OF RURAL AND COMMUNITY DEVELOPMENT*, 16(4), 76-86.
- Gonzalez, VH; Lee, EA; Lukens, LL; Swanton, CJ (2019). The relationship between floret number and plant dry matter accumulation varies with early season stress in maize (*Zea mays* L.). *FIELD CROPS RESEARCH*, 238(), 129-138. 10.1016/j.fcr.2019.05.003
- Gonzalez, VH; Tollenaar, M; Bowman, A; Good, B; Lee, EA (2018). Maize Yield Potential and Density Tolerance. *CROP SCIENCE*, 58(2), 472-485. 10.2135/cropsci2016.06.0547
- Good, CM; Thorburn, MA; Ribble, CS; Stevenson, RMW (2010). A prospective matched nested case-control study of bacterial gill disease outbreaks in Ontario, Canada government salmonid hatcheries. *PREVENTIVE VETERINARY MEDICINE*, 95(1-2), 152-157. 10.1016/j.prevetmed.2010.02.014
- Gopalapillai, Y; Dan, T; Hale, B (2019). Ni bioavailability in oat (*Avena sativa*) grown in naturally aged, Ni refinery-impacted agricultural soils. *HUMAN AND ECOLOGICAL RISK ASSESSMENT*, 25(6), 1422-1437. 10.1080/10807039.2018.1464382
- Goron, TL; Bhosekar, VK; Shearer, CR; Watts, S; Raizada, MN (2015). Whole plant acclimation responses by finger millet to low nitrogen stress. *FRONTIERS IN PLANT SCIENCE*, 6(), . 10.3389/fpls.2015.00652
- Goron, TL; Nederend, J; Stewart, G; Deen, B; Raizada, MN (2017). Mid-Season Leaf Glutamine Predicts End-Season Maize Grain Yield and Nitrogen Content in Response to Nitrogen Fertilization under Field Conditions. *AGRONOMY-BASEL*, 7(2), . 10.3390/agronomy7020041
- Goron, TL; Raizada, MN (2015). Genetic diversity and genomic resources available for the small millet crops to accelerate a New Green Revolution. *FRONTIERS IN PLANT SCIENCE*, 6(), . 10.3389/fpls.2015.00157
- Goron, TL; Raizada, MN (2016). Biosensor-based spatial and developmental mapping of maize leaf glutamine at vein-level resolution in response to different nitrogen rates and uptake/assimilation durations. *BMC PLANT BIOLOGY*, 16(), . 10.1186/s12870-016-0918-x
- Gossen, BD; Adhikari, KKC; McDonald, MR (2012). Effect of seeding date on development of clubroot in short-season Brassica crops. *CANADIAN JOURNAL OF PLANT PATHOLOGY*, 34(4), 516-523. 10.1080/07060661.2012.722129
- Gossen, BD; Al-Daoud, F; Dumonceaux, T; Dalton, JA; Peng, G; Pageau, D; McDonald, MR (2019). Comparison of techniques for estimation of resting spores of *Plasmodiophora brassicae* in soil. *PLANT PATHOLOGY*, 68(5), 954-961. 10.1111/ppa.13007

- Gossen, BD; Kasinathan, H; Cao, T; Manolii, VP; Strelkov, SE; Hwang, SF; McDonald, MR (2013). Interaction of pH and temperature affect infection and symptom development of *Plasmodiophora brassicae* in canola. *CANADIAN JOURNAL OF PLANT PATHOLOGY*, 35(3), 294-303. 10.1080/07060661.2013.804882
- Gossen, BD; Kasinathan, H; Strelkov, SE; Manolii, V; Hwang, SF; Peng, G; Cao, T; Mcdonald, MR (2013). Risk potential of clubroot on the Canadian prairies, based on soil type and pH. *CANADIAN JOURNAL OF PLANT PATHOLOGY*, 35(1), 112-112.
- Gossen, BD; McDonald, MR; Conner, RL; Hwang, SF; Chang, KF (2010). Significance of seed infection on epidemics of *mycosphaerella* blight in field pea. *CANADIAN JOURNAL OF PLANT PATHOLOGY*, 32(4), 458-467. 10.1080/07060661.2010.510642
- Gossen, BD; Mcdonald, MR; Hwang, SF; Strelkov, SE; Peng, G (2013). A comparison of clubroot development and management on canola and Brassica vegetables. *CANADIAN JOURNAL OF PLANT PATHOLOGY*, 35(2), 175-191. 10.1080/07060661.2013.763293
- Goumon, S; Brown, JA; Faucitano, L; Bergeron, R; Crowe, T; Connor, ML; Gonyou, HW (2013). Effect of rest duration on recovery from repeated exercise in near-market-weight pigs. *JOURNAL OF ANIMAL SCIENCE*, 91(12), 5859-5867. 10.2527/jas.2012-6184
- Goumon, S; Brown, JA; Faucitano, L; Bergeron, R; Widowski, TM; Crowe, T; Connor, ML; Gonyou, HW (2013). Effects of transport duration on maintenance behavior, heart rate and gastrointestinal tract temperature of market-weight pigs in 2 seasons. *JOURNAL OF ANIMAL SCIENCE*, 91(10), 4925-4935. 10.2527/jas.2012-6081
- Goumon, S; Faucitano, L; Bergeron, R; Crowe, T; Connor, ML; Gonyou, HW (2013). Effect of ramp configuration on easiness of handling, heart rate, and behavior of near-market weight pigs at unloading. *JOURNAL OF ANIMAL SCIENCE*, 91(8), 3889-3898. 10.2527/jas.2012-6083
- Gowman, AC; Picard, MC; Rodriguez-Uribe, A; Misra, M; Khalil, H; Thimmanagari, M; Mohanty, AK (2019). Physicochemical Analysis of Apple and Grape Pomaces. *BIORESOURCES*, 14(2), 3210-3230. 10.15376/biores.14.2.3210-3230
- Goyal, A; Beres, BL; Randhawa, HS; Navabi, A; Salmon, DF; Eudes, F (2011). Yield stability analysis of broadly adaptive triticale germplasm in southern and central Alberta, Canada, for industrial end-use suitability. *CANADIAN JOURNAL OF PLANT SCIENCE*, 91(1), 125-135. 10.4141/CJPS10063
- Grade, T; Campbell, P; Cooley, T; Kneeland, M; Leslie, E; MacDonald, B; Melotti, J; Okoniewski, J; Parmley, EJ; Perry, C; Vogel, H; Pokras, M (2019). Lead poisoning



from ingestion of fishing gear: A review. *AMBIO*, 48(9), 1023-1038.  
10.1007/s13280-019-01179-w

- Graham, J; Voroney, P; Coleman, B; Deen, B; Gordon, A; Thimmanagari, M; Thevathasan, N (2019). Quantifying soil organic carbon stocks in herbaceous biomass crops grown in Ontario, Canada. *AGROFORESTRY SYSTEMS*, 93(5), 1627-1635. 10.1007/s10457-018-0272-0
- Graham, T; Dixon, MA (2012). Liverwort Control: An Ancillary Role for Ozone-based Irrigation Water Treatment Systems?. *HORTSCIENCE*, 47(3), 361-367.  
10.21273/HORTSCI.47.3.361
- Graham, T; Wheeler, R (2016). Root restriction: A tool for improving volume utilization efficiency in bioregenerative life-support systems. *LIFE SCIENCES IN SPACE RESEARCH*, 9(), 62-68. 10.1016/j.lssr.2016.04.001
- Gravelly, E; Fraser, E (2018). Transitions on the shopping floor: Investigating the role of Canadian supermarkets in alternative protein consumption. *APPETITE*, 130(), 146-156. 10.1016/j.appet.2018.08.018
- Graves, ME; McLean, N; Jones, G; Martin, RC (2012). Pasture and sheep performance response to sod-seeding red clover (*Trifolium pratense* L.) or white clover (*Trifolium repens* L.) into naturalized pastures in eastern Canada. *ANIMAL FEED SCIENCE AND TECHNOLOGY*, 177(1-2), 7-14. 10.1016/j.anifeedsci.2012.06.006
- Gray, NJ; Meeker, A; Ravensbergen, S; Kipp, A; Faulkner, J (2017). Producing science and global citizenship? Volunteer tourism and conservation in Belize. *TOURISM RECREATION RESEARCH*, 42(2), 199-211. 10.1080/02508281.2017.1300398
- Green-Tracewicz, E; Page, ER; Swanton, CJ (2011). Shade Avoidance in Soybean Reduces Branching and Increases Plant-to-Plant Variability in Biomass and Yield Per Plant. *WEED SCIENCE*, 59(1), 43-49. 10.1614/WS-D-10-00081.1
- Green-Tracewicz, E; Page, ER; Swanton, CJ (2012). Light Quality and the Critical Period for Weed Control in Soybean. *WEED SCIENCE*, 60(1), 86-91. 10.1614/WS-D-11-00072.1
- Green, AG; Abdulai, AR; Duncan, E; Glaros, A; Campbell, M; Newell, R; Quarshie, P; Kc, KB; Newman, L; Nost, E; Fraser, EDG (2021). A scoping review of the digital agricultural revolution and ecosystem services: implications for Canadian policy and research agendas. *FACETS*, 6(), 1955-1985. 10.1139/facets-2021-0017
- Greenwood, SL; AlZahal, O; Purdie, NG; Swanson, KC; McBride, BW (2010). Plasma amino acid concentrations and mRNA expression of components related to protein degradation in lambs with nutritionally induced metabolic acidosis. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 90(4), 537-546. 10.4141/CJAS09128

- Greer, AL; Spence, K; Gardner, E (2017). Understanding the early dynamics of the 2014 porcine epidemic diarrhea virus (PEDV) outbreak in Ontario using the incidence decay and exponential adjustment (IDEA) model. *BMC VETERINARY RESEARCH*, 13(), . 10.1186/s12917-016-0922-2
- Gregory, N; Farmer, C; Friendship, R; Huber, LA (2020). The effect of a high-fiber feeding program for replacement gilts on body weight and composition at breeding. *JOURNAL OF ANIMAL SCIENCE*, 98(), 175-175. 10.1093/jas/skaa278.322
- Greig, J; Rajic, A; Young, I; Mascarenhas, M; Waddell, L; LeJeune, J (2015). A Scoping Review of the Role of Wildlife in the Transmission of Bacterial Pathogens and Antimicrobial Resistance to the Food Chain. *ZOOSES AND PUBLIC HEALTH*, 62(4), 269-284. 10.1111/zph.12147
- Greter, AM; Kitts, BL; DeVries, TJ (2011). Short communication: Limit feeding dairy heifers: Effect of feed bunk space and provision of a low-nutritive feedstuff. *JOURNAL OF DAIRY SCIENCE*, 94(6), 3124-3129. 10.3168/jds.2010-4029
- Greter, AM; Prinsen, M; Duffield, TF; McBride, BW; Widowski, TM; DeVries, TJ (2013). Growing dairy heifers prefer supplementary long straw when fed a nutrient-dense ration in a limited amount. *JOURNAL OF DAIRY SCIENCE*, 96(6), 3950-3958. 10.3168/jds.2013-6625
- Greter, AM; Westerveld, RS; Duffield, TF; McBride, BW; Widowski, TM; DeVries, TJ (2013). Short communication: Effects of frequency of feed delivery and bunk space on the feeding behavior of limit-fed dairy heifers. *JOURNAL OF DAIRY SCIENCE*, 96(3), 1803-1810. 10.3168/jds.2012-6012
- Grigg-McGuffin, K; Scott, IM; Bellerose, S; Chouinard, G; Cormier, D; Scott-Dupree, C (2015). Susceptibility in field populations of codling moth, *Cydia pomonella* (L.) (Lepidoptera: Tortricidae), in Ontario and Quebec apple orchards to a selection of insecticides. *PEST MANAGEMENT SCIENCE*, 71(2), 234-242. 10.1002/ps.3787
- Grogan, L (2018). Labor Market Conditions and Cultural Change: Evidence from Vietnam. *JOURNAL OF HUMAN CAPITAL*, 12(1), 99-124. 10.1086/696073
- Grogan, L (2018). Time use impacts of rural electrification: Longitudinal evidence from Guatemala. *JOURNAL OF DEVELOPMENT ECONOMICS*, 135(), 304-317. 10.1016/j.jdeveco.2018.03.005
- Grogan, L (2021). Civil War, Famine and the Persistence of Human Capital: Evidence from Tajikistan. *COMPARATIVE ECONOMIC STUDIES*, 63(4), 577-602. 10.1057/s41294-021-00174-z
- Grogan, L; Sadanand, A (2013). Rural Electrification and Employment in Poor Countries: Evidence from Nicaragua. *WORLD DEVELOPMENT*, 43(), 252-265. 10.1016/j.worlddev.2012.09.002

- Groth, J; Tamburic-Ilincic, L; Schaafsma, A; Brule-Babel, A; Hartl, L (2011). FHB Resistance of Winter Wheat from Canada and Europe Estimated across Multi-environments after Inoculation with Two Deoxynivalenol Producing Fusarium Species. *CEREAL RESEARCH COMMUNICATIONS*, 39(2), 189-199. 10.1556/CRC.39.2011.2.3
- Gruby, RL; Fairbanks, L; Acton, L; Artis, E; Campbell, LM; Gray, NJ; Mitchell, L; Zigler, SBJ; Wilson, K (2017). Conceptualizing Social Outcomes of Large Marine Protected Areas. *COASTAL MANAGEMENT*, 45(6), 416-435. 10.1080/08920753.2017.1373449
- Grunspan, DZ; Holt, EA; Keenan, SM (2021). Instructional Communities of Practice during COVID-19: Social Networks and Their Implications for Resilience. *JOURNAL OF MICROBIOLOGY & BIOLOGY EDUCATION*, 22(1), . 10.1128/jmbe.v22i1.2505
- Guarini, AR; Lourenco, DAL; Brito, LF; Sargolzaei, M; Baes, CF; Miglior, F; Tsuruta, S; Misztal, I; Schenkel, FS (2019). Use of a single-step approach for integrating foreign information into national genomic evaluation in Holstein cattle. *JOURNAL OF DAIRY SCIENCE*, 102(9), 8175-8183. 10.3168/jds.2018-15819
- Guarini, AR; Lourenco, DAL; Brito, LF; Sargolzaei, M; Baes, CF; Miglior, F; Misztal, I; Schenkel, FS (2018). Comparison of genomic predictions for lowly heritable traits using multi-step and single-step genomic best linear unbiased predictor in Holstein cattle. *JOURNAL OF DAIRY SCIENCE*, 101(9), 8076-8086. 10.3168/jds.2017-14193
- Guarini, AR; Neves, HHR; Schenkel, FS; Carneiro, R; Oliveira, JA; Queiroz, SA (2015). Genetic relationship among reproductive traits in Nelore cattle. *Animal*, 9(5), 760-765. 10.1017/S1751731114003103
- Guarini, AR; Sargolzaei, M; Brito, LF; Kroezen, V; Lourenco, DAL; Baes, CF; Miglior, F; Cole, JB; Schenkel, FS (2019). Estimating the effect of the deleterious recessive haplotypes AH1 and AH2 on reproduction performance of Ayrshire cattle. *JOURNAL OF DAIRY SCIENCE*, 102(6), 5315-5322. 10.3168/jds.2018-15366
- Gulde, VAL; Renema, R; Bedecarrats, GY (2010). Use of dietary thyroxine as an alternate molting procedure in spent turkey breeder hens. *POULTRY SCIENCE*, 89(1), 96-107. 10.3382/ps.2009-00294
- Guo, QB; Cui, SW; Kang, J; Ding, HH; Wang, Q; Wang, C (2015). Non-starch polysaccharides from American ginseng: physicochemical investigation and structural characterization. *FOOD HYDROCOLLOIDS*, 44(), 320-327. 10.1016/j.foodhyd.2014.09.031
- Guo, YH; Fu, YS; Hao, FH; Zhang, X; Wu, WX; Jin, XL; Bryant, CR; Senthilnath, J (2021). Integrated phenology and climate in rice yields prediction using machine

- learning methods. *ECOLOGICAL INDICATORS*, 120(), .  
10.1016/j.ecolind.2020.106935
- Guo, YH; Wang, HX; Wu, ZF; Wang, SX; Sun, HY; Senthilnath, J; Wang, JZ; Bryant, CR; Fu, YS (2020). Modified Red Blue Vegetation Index for Chlorophyll Estimation and Yield Prediction of Maize from Visible Images Captured by UAV. *SENSORS*, 20(18), . 10.3390/s20185055
- Guo, YH; Wu, WX; Bryant, CR (2019). Quantifying Spatio-Temporal Patterns of Rice Yield Gaps in Double-Cropping Systems: A Case Study in Pearl River Delta, China. *SUSTAINABILITY*, 11(5), . 10.3390/su11051394
- Gupta, A; Ahmed, KA; Ayalew, LE; Popowich, S; Kurukulasuriya, S; Goonewardene, K; Gunawardana, T; Karunaratna, R; Ojkic, D; Tikoo, SK; Willson, P; Gomis, S (2017). Immunogenicity and protective efficacy of virus-like particles and recombinant fiber proteins in broiler-breeder vaccination against fowl adenovirus (FAdV)-8b. *VACCINE*, 35(20), 2716-2722. 10.1016/j.vaccine.2017.03.075
- Gupta, AK; Rudra, RP; Gharabaghi, B; Goel, PK; Sebti, S; Shukla, R; Daggupati, P (2019). A MODELING APPROACH FOR EVALUATING WATERSHED-SCALE WATER QUALITY BENEFITS OF VEGETATIVE FILTER STRIP- A CASE STUDY IN ONTARIO. *APPLIED ENGINEERING IN AGRICULTURE*, 35(3), 271-281.  
10.13031/aea.13121
- Guthrie, AD; Learmount, J; VanLeeuwen, J; Peregrine, AS; Kelton, D; Menzies, PI; Fernandez, S; Martin, RC; Mederos, A; Taylor, MA (2010). Evaluation of a British computer model to simulate gastrointestinal nematodes in sheep on Canadian farms. *VETERINARY PARASITOLOGY*, 174(1-2), 92-105.  
10.1016/j.vetpar.2010.08.002
- Guzman-Novoa, E; Eccles, L; Calvete, Y; MCGowan, J; Kelly, PG; Correa-Benitez, A (2010). Varroa destructor is the main culprit for the death and reduced populations of overwintered honey bee (*Apis mellifera*) colonies in Ontario, Canada. *APIDOLOGIE*, 41(4), 443-450. 10.1051/apido/2009076
- Guzman, PO; Pearl, DL; Schwartzkopf-Genswein, KS; Widowski, TM; Suarez, DMM; Marti, S; Haley, DB (2021). Does Bedding Influence Lying Behaviour of Cattle Unloaded for Rest During Long-distance Transportation?. *JOURNAL OF ANIMAL SCIENCE*, 99(), 2-2.
- Guzzo, MM; Mochnacz, NJ; Durhack, T; Kissinger, BC; Killen, SS; Treberg, JR (2019). Effects of repeated daily acute heat challenge on the growth and metabolism of a cold water stenothermal fish. *JOURNAL OF EXPERIMENTAL BIOLOGY*, 222(12), . 10.1242/jeb.198143
- Habetwold, J; Gordon, RJ; Wood, JD; Wagner-Riddle, C; VanderZaag, AC; Dunfield, KE (2017). Dairy Manure Total Solid Levels Impact CH<sub>4</sub> Flux and Abundance of

- Methanogenic Archaeal Communities. *JOURNAL OF ENVIRONMENTAL QUALITY*, 46(1), 232-236. 10.2134/jeq2016.11.0451
- Habtewold, J; Gordon, R; Sokolov, V; VanderZaag, A; Wagner-Riddle, C; Dunfield, K (2018). Targeting Bacteria and Methanogens To Understand the Role of Residual Slurry as an Inoculant in Stored Liquid Dairy Manure. *APPLIED AND ENVIRONMENTAL MICROBIOLOGY*, 84(7), . 10.1128/AEM.02830-17
- Habtewold, J; Gordon, R; Voroney, P; Sokolov, V; VanderZaag, A; Wagner-Riddle, C; Dunfield, K (2018). Sodium Persulfate and Potassium Permanganate Inhibit Methanogens and Methanogenesis in Stored Liquid Dairy Manure. *JOURNAL OF ENVIRONMENTAL QUALITY*, 47(4), 786-794. 10.2134/jeq2018.01.0054
- Hadarits, M (2011). Climate Change and Economic Uncertainty in the Wine Sector: A Case Study of the Maule Region, Chile. *ECONOMIC, SOCIAL AND POLITICAL ELEMENTS OF CLIMATE CHANGE*, (), 245-265. 10.1007/978-3-642-14776-0\_16
- Hadinia, SH; Carneiro, PRO; Fitzsimmons, CJ; Bedecarrats, GY; Zuidhof, MJ (2020). Post-photostimulation energy intake accelerated pubertal development in broiler breeder pullets. *POULTRY SCIENCE*, 99(4), 2215-2229. 10.1016/j.psj.2019.11.065
- Hagen, BNM; Albright, A; Sergeant, J; Winder, CB; Harper, SL; O'Sullivan, TL; Jones-Bitton, A (2019). Research trends in farmers' mental health: A scoping review of mental health outcomes and interventions among farming populations worldwide. *PLOS ONE*, 14(12), . 10.1371/journal.pone.0225661
- Hager, HA; Rupert, R; Quinn, LD; Newman, JA (2015). Escaped *Miscanthus sacchariflorus* reduces the richness and diversity of vegetation and the soil seed bank. *BIOLOGICAL INVASIONS*, 17(6), 1833-1847. 10.1007/s10530-014-0839-2
- Hager, HA; Ryan, GD; Newman, JA (2020). Effects of elevated CO<sub>2</sub> on competition between native and invasive grasses. *OECOLOGIA*, 192(4), 1099-1110. 10.1007/s00442-020-04636-6
- Hailu, G; Deaton, BJ (2016). Agglomeration Effects in Ontario's Dairy Farming. *AMERICAN JOURNAL OF AGRICULTURAL ECONOMICS*, 98(4), 1055-1073. 10.1093/ajae/aaw041
- Hailu, G; Maynard, A; Weersink, A (2015). Empirical analysis of corn and soybean basis in Canada. *APPLIED ECONOMICS*, 47(51), 5491-5509. 10.1080/00036846.2015.1051654
- Hailu, G; Poon, K (2017). Do Farm Support Programs Reward Production Inefficiency?. *CANADIAN JOURNAL OF AGRICULTURAL ECONOMICS-REVUE CANADIENNE D'AGROECONOMIE*, 65(4), 567-589. 10.1111/cjag.12150

- Hailu, G; Weersink, A; Minten, B (2017). Determinants of the Productivity of Teff in Ethiopia. *EUROPEAN JOURNAL OF DEVELOPMENT RESEARCH*, 29(4), 866-892. 10.1057/s41287-016-0065-0
- Hailu, GT; Cao, Y; Yu, X (2017). Risk Attitudes, Social Interactions, and the Willingness to Pay for Genotyping in Dairy Production. *CANADIAN JOURNAL OF AGRICULTURAL ECONOMICS-REVUE CANADIENNE D AGROECONOMIE*, 65(2), 317-341. 10.1111/cjag.12123
- Hajibabaei, M; Porter, TM; Robinson, CV; Baird, DJ; Shokralla, S; Wright, MTG (2019). Watered-down biodiversity? A comparison of metabarcoding results from DNA extracted from matched water and bulk tissue biomonitoring samples. *PLOS ONE*, 14(12), . 10.1371/journal.pone.0225409
- Halbe, J; Adamowski, J; Bennett, EM; Pahl-Wostl, C; Farahbakhsh, K (2014). Functional organization analysis for the design of sustainable engineering systems. *ECOLOGICAL ENGINEERING*, 73(), 80-91. 10.1016/j.ecoleng.2014.08.011
- Hamann, S (2020). Not home-made: Historical and contemporary social policy dynamics in Cameroon. *GLOBAL SOCIAL POLICY*, 20(3), 286-304. 10.1177/1468018120923235
- Hambly, H; Rajabiun, R (2021). Rural broadband: Gaps, maps and challenges. *TELEMATICS AND INFORMATICS*, 60(), . 10.1016/j.tele.2021.101565
- Hancock, JF; Finn, CE; Luby, JJ; Dale, A; Callow, PW; Serce, S (2010). Reconstruction of the Strawberry, *Fragaria xananassa*, Using Genotypes of *F. virginiana* and *F. chiloensis*. *HORTSCIENCE*, 45(7), 1006-1013. 10.21273/HORTSCI.45.7.1006
- Hanlon, C; Takeshima, K; Bedecarrats, GY (2021). Changes in the Control of the Hypothalamic-Pituitary Gonadal Axis Across Three Differentially Selected Strains of Laying Hens (*Gallus gallus domesticus*). *FRONTIERS IN PHYSIOLOGY*, 12(), . 10.3389/fphys.2021.651491
- Hannah, L; Roehrdanz, PR; Bahadur, KCK; Fraser, EDG; Donatti, CI; Saenz, L; Wright, TM; Hijmans, RJ; Mulligan, M; Berg, A; van Soesbergen, A (2020). The environmental consequences of climate-driven agricultural frontiers. *PLOS ONE*, 15(2), . 10.1371/journal.pone.0228305
- Haq, K; Wootton, SK; Barjesteh, N; St Paul, M; Golovan, S; Bendall, AJ; Sharif, S (2013). Small Interfering RNA-Mediated Knockdown of Chicken Interferon-gamma Expression. *JOURNAL OF INTERFERON AND CYTOKINE RESEARCH*, 33(6), 319-327. 10.1089/jir.2012.0141
- Haque, F; Santos, RM; Chiang, YW (2020). CO2 sequestration by wollastonite-amended agricultural soils - An Ontario field study. *INTERNATIONAL JOURNAL OF GREENHOUSE GAS CONTROL*, 97(), . 10.1016/j.ijggc.2020.103017

- Haque, F; Santos, RM; Chiang, YW (2020). Optimizing Inorganic Carbon Sequestration and Crop Yield With Wollastonite Soil Amendment in a Microplot Study. *FRONTIERS IN PLANT SCIENCE*, 11(), . 10.3389/fpls.2020.01012
- Haque, F; Santos, RM; Dutta, A; Thimmanagari, M; Chiang, YW (2019). Co-Benefits of Wollastonite Weathering in Agriculture: CO<sub>2</sub> Sequestration and Promoted Plant Growth. *ACS OMEGA*, 4(1), 1425-1433. 10.1021/acsomega.8b02477
- Harding, DP; Raizada, MN (2015). Controlling weeds with fungi, bacteria and viruses: a review. *FRONTIERS IN PLANT SCIENCE*, 6(), . 10.3389/fpls.2015.00659
- Harlander-Matauschek, A; Rodenburg, TB; Sandilands, V; Tobalske, BW; Toscano, MJ (2015). Causes of keel bone damage and their solutions in laying hens. *WORLDS POULTRY SCIENCE JOURNAL*, 71(3), 461-472. 10.1017/S0043933915002135
- Harper, BA; Barbut, S; Lim, LT; Marcone, MF (2012). Microstructural and textural investigation of various manufactured collagen sausage casings. *FOOD RESEARCH INTERNATIONAL*, 49(1), 494-500. 10.1016/j.foodres.2012.07.043
- Harri, A; Coble, KH; Ker, AP; Goodwin, BJ (2011). Relaxing Heteroscedasticity Assumptions in Area-Yield Crop Insurance Rating. *AMERICAN JOURNAL OF AGRICULTURAL ECONOMICS*, 93(3), 703-713. 10.1093/ajae/aar009
- Harrison, HL; Loring, PA (2020). Seeing beneath disputes: A transdisciplinary framework for diagnosing complex conservation conflicts. *BIOLOGICAL CONSERVATION*, 248(), . 10.1016/j.biocon.2020.108670
- Hart, KD; McBride, BW; Duffield, TF; DeVries, TJ (2013). Effect of milking frequency on the behavior and productivity of lactating dairy cows. *JOURNAL OF DAIRY SCIENCE*, 96(11), 6973-6985. 10.3168/jds.2013-6764
- Hart, KD; McBride, BW; Duffield, TF; DeVries, TJ (2014). Effect of frequency of feed delivery on the behavior and productivity of lactating dairy cows. *JOURNAL OF DAIRY SCIENCE*, 97(3), 1713-1724. 10.3168/jds.2013-7504
- Harvey, E; Macdougall, AS (2015). Habitat Loss and Herbivore Attack in Recruiting Oaks. *AMERICAN MIDLAND NATURALIST*, 173(2), 218-228. 10.1674/amid-173-02-218-228.1
- Hasani, M; Wu, F; Warriner, K (2020). Validation of a vapor-phase advanced oxidation process for inactivating *Listeria monocytogenes*, its surrogate *Lactobacillus fructivorans*, and spoilage molds associated with green or red table grapes. *JOURNAL OF FOOD SCIENCE*, 85(9), 2645-2655. 10.1111/1750-3841.15387
- Hassan, MSH; Ojkic, D; Coffin, CS; Cork, SC; van der Meer, F; Abdul-Careem, MF (2019). Delmarva (DMV/1639) Infectious Bronchitis Virus (IBV) Variants Isolated in Eastern Canada Show Evidence of Recombination. *VIRUSES-BASEL*, 11(11), . 10.3390/v11111054

- Havekes, CD; Duffield, TF; Carpenter, AJ; DeVries, TJ (2020). Effects of molasses-based liquid feed supplementation to a high-straw dry cow diet on feed intake, health, and performance of dairy cows across the transition period. *JOURNAL OF DAIRY SCIENCE*, 103(6), 5070-5089. 10.3168/jds.2019-18085
- Havekes, CD; Duffield, TF; Carpenter, AJ; DeVries, TJ (2020). Effects of wheat straw chop length in high-straw dry cow diets on intake, health, and performance of dairy cows across the transition period. *JOURNAL OF DAIRY SCIENCE*, 103(1), 254-271. 10.3168/jds.2019-17033
- Havekes, CD; Duffield, TF; Carpenter, AJ; DeVries, TJ (2020). Moisture content of high-straw dry cow diets affects intake, health, and performance of transition dairy cows. *JOURNAL OF DAIRY SCIENCE*, 103(2), 1500-1515. 10.3168/jds.2019-17557
- Hawken, P; Weese, JS; Friendship, R; Warriner, K (2013). Carriage and dissemination of *Clostridium difficile* and methicillin resistant *Staphylococcus aureus* in pork processing. *FOOD CONTROL*, 31(2), 433-437. 10.1016/j.foodcont.2012.10.031
- Hawken, P; Weese, JS; Friendship, R; Warriner, K (2013). Longitudinal Study of *Clostridium difficile* and Methicillin-Resistant *Staphylococcus aureus* Associated with Pigs from Weaning through to the End of Processing. *JOURNAL OF FOOD PROTECTION*, 76(4), 624-630. 10.4315/0362-028X.JFP-12-330
- Hawley, JL; Hall, K; Chowdhury, A (2018). Agricultural communicators' use of mobile devices and social media in USA. *RURAL EXTENSION AND INNOVATION SYSTEMS JOURNAL*, 14(1), 101-109.
- Hayder, A; Vanderburgt, S; Santos, RM; Chiang, YW (2019). Phosphorous runoff risk assessment and its potential management using wollastonite according to geochemical modeling. *OPEN AGRICULTURE*, 4(1), 787-794. 10.1515/opag-2019-0075
- Hayes, FJ; Buchanan, SW; Coleman, B; Gordon, AM; Reich, PB; Thevathasan, NV; Wright, IJ; Martin, AR (2019). Intraspecific variation in soy across the leaf economics spectrum. *ANNALS OF BOTANY*, 123(1), 107-120. 10.1093/aob/mcy147
- Hayes, G; Mathews, K; Kruth, S; Doig, G; Dewey, C (2010). Illness Severity Scores in Veterinary Medicine: What Can We Learn?. *JOURNAL OF VETERINARY INTERNAL MEDICINE*, 24(3), 457-466. 10.1111/j.1939-1676.2010.0483.x
- Hazlett, MJ; McDowall, R; DeLay, J; Stalker, M; McEwen, B; van Dreumel, T; Spinato, M; Binnington, B; Slavic, D; Carman, S; Cai, HY (2013). A prospective study of sheep and goat abortion using real-time polymerase chain reaction and cut point estimation shows *Coxiella burnetii* and *Chlamydophila abortus* infection concurrently with other major pathogens. *JOURNAL OF VETERINARY DIAGNOSTIC INVESTIGATION*, 25(3), 359-368. 10.1177/1040638713484729



- He, JW; Zhou, T; Young, JC; Boland, GJ; Scott, PA (2010). Chemical and biological transformations for detoxification of trichothecene mycotoxins in human and animal food chains: a review. *TRENDS IN FOOD SCIENCE & TECHNOLOGY*, 21(2), 67-76. 10.1016/j.tifs.2009.08.002
- He, XP; Gilmore, SR; Sutherland, TF; Hajibabaei, M; Miller, KM; Westfall, KM; Pawlowski, J; Abbott, CL (2021). Biotic signals associated with benthic impacts of salmon farms from eDNA metabarcoding of sediments. *MOLECULAR ECOLOGY*, 30(13), 3158-3174. 10.1111/mec.15814
- Heino, J; Melo, AS; Bini, LM; Altermatt, F; Al-Shami, SA; Angeler, DG; Bonada, N; Brand, C; Callisto, M; Cottenie, K; Dangles, O; Dudgeon, D; Encalada, A; Gothe, E; Gronroos, M; Hamada, N; Jacobsen, D; Landeiro, VL; Ligeiro, R; Martins, RT; Miserendino, ML; Md Rawi, CS; Rodrigues, ME; Roque, FD; Sandin, L; Schmera, D; Sgarbi, LF; Simaika, JP; Siqueira, T; Thompson, RM; Townsend, CR (2015). A comparative analysis reveals weak relationships between ecological factors and beta diversity of stream insect metacommunities at two spatial levels. *ECOLOGY AND EVOLUTION*, 5(6), 1235-1248. 10.1002/ece3.1439
- Heintzelman, MD; Vyn, RJ; Guth, S (2017). Understanding the Amenity Impacts of Wind Development on an International Border. *ECOLOGICAL ECONOMICS*, 137(), 195-206. 10.1016/j.ecolecon.2017.03.008
- Heiser, A; LeBlanc, SJ; McDougall, S (2018). Pegbovigrastim treatment affects gene expression in neutrophils of pasture-fed, periparturient cows. *JOURNAL OF DAIRY SCIENCE*, 101(9), 8194-8207. 10.3168/jds.2017-14129
- Henaus, V; Parmley, J; Soos, C; Samuel, MD (2013). Estimating transmission of avian influenza in wild birds from incomplete epizootic data: implications for surveillance and disease spread. *JOURNAL OF APPLIED ECOLOGY*, 50(1), 223-231. 10.1111/1365-2664.12031
- Henderson, KA; Bauch, CT; Anand, M (2016). Alternative stable states and the sustainability of forests, grasslands, and agriculture. *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*, 113(51), 14552-14559. 10.1073/pnas.1604987113
- Henderson, L; Miglior, F; Sewalem, A; Kelton, D; Robinson, A; Leslie, KE (2010). Estimation of genetic parameters for measures of calf survival and health in a population of Holstein dairy calves in New York state.. *JOURNAL OF DAIRY SCIENCE*, 93(), 798-798.
- Henderson, L; Miglior, F; Sewalem, A; Kelton, D; Robinson, A; Leslie, KE (2011). Estimation of genetic parameters for measures of calf survival in a population of Holstein heifer calves from a heifer-raising facility in New York State. *JOURNAL OF DAIRY SCIENCE*, 94(1), 461-470. 10.3168/jds.2010-3243

- Henderson, L; Miglior, F; Sewalem, A; Wormuth, J; Kelton, D; Robinson, A; Leslie, KE (2011). Short communication: Genetic parameters for measures of calf health in a population of Holstein calves in New York State. *JOURNAL OF DAIRY SCIENCE*, 94(12), 6181-6187. 10.3168/jds.2011-4347
- Hennebry, JL; Preibisch, K (2012). A Model for Managed Migration? Re-Examining Best Practices in Canada's Seasonal Agricultural Worker Program. *INTERNATIONAL MIGRATION*, 50(), e19-e40. 10.1111/j.1468-2435.2009.00598.x
- Henson, S (2017). Global Challenges: Food, Agriculture and Nutrition. *GLOBAL CHALLENGES*, 1(1), 20-21. 10.1002/gch2.1005
- Heriazon, A; Quinton, M; Miglior, F; Leslie, KE; Sears, W; Mallard, BA (2013). Phenotypic and genetic parameters of antibody and delayed-type hypersensitivity responses of lactating Holstein cows. *VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY*, 154(3-4), 83-92. 10.1016/j.vetimm.2013.03.014
- Heringstad, B; Egger-Danner, C; Charfeddine, N; Pryce, JE; Stock, KF; Kofler, J; Sogstad, AM; Holzhauer, M; Fiedler, A; Muller, K; Nielsen, P; Thomas, G; Gengler, N; de Jong, G; Odegard, C; Malchiodi, F; Miglior, F; Alsaad, M; Cole, JB (2018). Invited review: Genetics and claw health: Opportunities to enhance claw health by genetic selection. *JOURNAL OF DAIRY SCIENCE*, 101(6), 4801-4821. 10.3168/jds.2017-13531
- Hernandez-Triana, LM; Brugman, VA; Prosser, SWJ; Weland, C; Nikolova, N; Thorne, L; De Marco, MF; Fooks, AR; Johnson, N (2017). Molecular approaches for blood meal analysis and species identification of mosquitoes (Insecta: Diptera: Culicidae) in rural locations in southern England, United Kingdom. *ZOOTAXA*, 4250(1), 67-76. 10.11646/zootaxa.4250.1.5
- Hernandez, E; James, F; Torrey, S; Widowski, T; Schwean-Lardner, K; Monteith, G; Turner, PV (2019). Electroencephalographic, physiologic and behavioural responses during cervical dislocation euthanasia in turkeys. *BMC VETERINARY RESEARCH*, 15(), . 10.1186/s12917-019-1885-x
- Hernandez, E; James, F; Torrey, S; Widowski, T; Schwean-Lardner, K; Monteith, G; Turner, PV (2019). Evaluation of Brain Death in Laying Hens During On-Farm Killing by Cervical Dislocation Methods or Pentobarbital Sodium Injection. *FRONTIERS IN VETERINARY SCIENCE*, 6(), . 10.3389/fvets.2019.00297
- Heskett, M; Takada, H; Yamashita, R; Yuyama, M; Ito, M; Geok, YB; Ogata, Y; Kwan, C; Heckhausen, A; Taylor, H; Powell, T; Morishige, C; Young, D; Patterson, H; Robertson, B; Bailey, E; Mermoz, J (2012). Measurement of persistent organic pollutants (POPs) in plastic resin pellets from remote islands: Toward establishment of background concentrations for International Pellet Watch. *MARINE POLLUTION BULLETIN*, 64(2), 445-448. 10.1016/j.marpolbul.2011.11.004

- Hestrin, R; Torres-Rojas, D; Dynes, JJ; Hook, JM; Regier, TZ; Gillespie, AW; Smernik, RJ; Lehmann, J (2019). Fire-derived organic matter retains ammonia through covalent bond formation. *NATURE COMMUNICATIONS*, 10(), . 10.1038/s41467-019-08401-z
- Hewedy, OA; Lateif, KSA; Seleiman, MF; Shami, A; Albarakaty, FM; El-Meihy, RM (2020). Phylogenetic Diversity of Trichoderma Strains and Their Antagonistic Potential against Soil-Borne Pathogens under Stress Conditions. *BIOLOGY-BASEL*, 9(8), . 10.3390/biology9080189
- Hickson, S (2020). Into the White: The Renaissance Arctic and the End of the Image. *RACAR-REVUE D ART CANADIENNE-CANADIAN ART REVIEW*, 45(2), 165-166. 10.7202/1073955ar
- Hirschfeld, S; Van Acker, R (2020). Permaculture farmers consistently cultivate perennials, crop diversity, landscape heterogeneity and nature conservation. *RENEWABLE AGRICULTURE AND FOOD SYSTEMS*, 35(3), 342-351. 10.1017/S1742170519000012
- Hirschfeld, S; Van Acker, R (2021). Review: ecosystem services in permaculture systems. *AGROECOLOGY AND SUSTAINABLE FOOD SYSTEMS*, 45(6), 794-816. 10.1080/21683565.2021.1881862
- Hitchon, AJ; Smith, JL; French, BW; Schaafsma, AW (2015). Impact of the Bt Corn Proteins Cry34/35Ab1 and Cry3Bb1, Alone or Pyramided, on Western Corn Rootworm (Coleoptera: Chrysomelidae) Beetle Emergence in the Field. *JOURNAL OF ECONOMIC ENTOMOLOGY*, 108(4), 1986-1993. 10.1093/jee/tov125
- Ho, J; Prosser, R; Hasani, M; Chen, H; Skanes, B; Lubitz, WD; Warriner, K (2020). Degradation of chlorpyrifos and inactivation of Escherichia coli O157:H7 and Aspergillus niger on apples using an advanced oxidation process. *FOOD CONTROL*, 109(), . 10.1016/j.foodcont.2019.106920
- Hodge, S; Marshall, SA; Oliver, H; Berry, J; Marris, J; Andrew, I (2010). A preliminary survey of the insects collected using mushroom baits in native and exotic New Zealand woodlands. *NEW ZEALAND ENTOMOLOGIST*, 33(), 43-54. 10.1080/00779962.2010.9722191
- Hodgins, K; Parizeau, K (2020). Farm-to-fork horizontal ellipsis and beyond? A call to incorporate food waste into food systems research. *FOOD AND FOODWAYS*, 28(1), 43-60. 10.1080/07409710.2020.1718280
- Hodgins, KJ; Fraser, EDG (2018). "We are a business, not a social service agency." Barriers to widening access for low-income shoppers in alternative food market spaces. *AGRICULTURE AND HUMAN VALUES*, 35(1), 149-162. 10.1007/s10460-017-9811-y

- Hodgson-Kratky, KJM; Stoffyn, OM; Wolyn, DJ (2017). Recurrent Selection for Improved Germination under Water Stress in Russian Dandelion. *JOURNAL OF THE AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE*, 142(2), 85-91. 10.21273/JASHS03941-16
- Hodgson-Kratky, KJM; Wolyn, DJ (2015). Inheritance of Flowering Habit in Russian Dandelion. *JOURNAL OF THE AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE*, 140(6), 614-619. 10.21273/JASHS.140.6.614
- Hogue, EJ; Cline, JA; Neilsen, G; Neilsen, D (2010). Growth and Yield Responses to Mulches and Cover Crops under Low Potassium Conditions in Drip-irrigated Apple Orchards on Coarse Soils. *HORTSCIENCE*, 45(12), 1866-1871. 10.21273/HORTSCI.45.12.1866
- Holtby, CE; Guernsey, JR; Allen, AC; VanLeeuwen, JA; Allen, VM; Gordon, RJ (2014). A Population-Based Case-Control Study of Drinking-Water Nitrate and Congenital Anomalies Using Geographic Information Systems (GIS) to Develop Individual-Level Exposure Estimates. *INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH*, 11(2), 1803-1823. 10.3390/ijerph110201803
- Hooda, S; Levesque, CL; Lepp, D; Yu, H; Gong, J; de Lange, CFM (2016). Ileal mucosa and digesta associated microbiota of starter pigs and changes linked to time postweaning and dietary interventions. *JOURNAL OF ANIMAL SCIENCE*, 94(), 344-348. 10.2527/jas.2015-9749
- Horgan, M; Liinamaa, S (2017). The social quarantining of migrant labour: everyday effects of temporary foreign worker regulation in Canada. *JOURNAL OF ETHNIC AND MIGRATION STUDIES*, 43(5), 713-730. 10.1080/1369183X.2016.1202752
- Horimoto, Y; Tan, R; Lim, LT (2019). Enzymatic treatment of pork protein for the enhancement of iron bioavailability. *INTERNATIONAL JOURNAL OF FOOD SCIENCES AND NUTRITION*, 70(1), 41-52. 10.1080/09637486.2018.1466270
- Horn, PJ; James, CN; Gidda, SK; Kilaru, A; Dyer, JM; Mullen, RT; Ohlrogge, JB; Chapman, KD (2013). Identification of a New Class of Lipid Droplet-Associated Proteins in Plants. *PLANT PHYSIOLOGY*, 162(4), 1926-1936. 10.1104/pp.113.222455
- Houlahan, K; Schenkel, FS; Hailemariam, D; Lassen, J; Kargo, M; Cole, JB; Connor, EE; Wegmann, S; Junior, O; Miglior, F; Fleming, A; Chud, TCS; Baes, CF (2021). Effects of Incorporating Dry Matter Intake and Residual Feed Intake into a Selection Index for Dairy Cattle Using Deterministic Modeling. *ANIMALS*, 11(4), . 10.3390/ani11041157
- Houle, GP; Kane, ES; Kasischke, ES; Gibson, CM; Turetsky, MR (2018). Recovery of carbon pools a decade after wildfire in black spruce forests of interior Alaska:

effects of soil texture and landscape position. *CANADIAN JOURNAL OF FOREST RESEARCH*, 48(1), 1-10. 10.1139/cjfr-2017-0236

Hovland, AL; Rod, AMS; Eriksen, MS; Palme, R; Nordgreen, J; Mason, GJ (2017). Faecal cortisol metabolites as an indicator of adrenocortical activity in farmed silver foxes (*Vulpes vulpes*). *APPLIED ANIMAL BEHAVIOUR SCIENCE*, 197(), 75-80. 10.1016/j.applanim.2017.08.009

Hovorka, AJ (2012). Women/chickens vs. men/cattle: Insights on gender-species intersectionality. *GEOFORUM*, 43(4), 875-884. 10.1016/j.geoforum.2012.02.005

Huang, JK; Yang, J; Msangi, S; Rozelle, S; Weersink, A (2012). Biofuels and the poor: Global impact pathways of biofuels on agricultural markets. *FOOD POLICY*, 37(4), 439-451. 10.1016/j.foodpol.2012.04.004

Huang, JK; Yang, J; Msangi, S; Rozelle, S; Weersink, A (2012). Global biofuel production and poverty in China. *APPLIED ENERGY*, 98(), 246-255. 10.1016/j.apenergy.2012.03.031

Hubert, N; Pepey, E; Mortillaro, JM; Steinke, D; Andria-Mananjara, DE; de Verdal, H (2021). Mitochondrial Genetic Diversity among Farmed Stocks of *Oreochromis* spp. (Perciformes, Cichlidae) in Madagascar. *DIVERSITY-BASEL*, 13(7), . 10.3390/d13070281

Hughes, BR; Zandstra, J; Taghavi, T; Dale, A (2017). Effects of runner removal on productivity and plant growth of two day-neutral strawberry cultivars in Ontario, Canada. *VIII INTERNATIONAL STRAWBERRY SYMPOSIUM*, 1156(), 327-332. 10.17660/ActaHortic.2017.1156.50

Humphries, S; Classen, L (2012). Opening Cracks for the Transgression of Social Boundaries: An Evaluation of the Gender Impacts of Farmer Research Teams in Honduras. *WORLD DEVELOPMENT*, 40(10), 2078-2095. 10.1016/j.worlddev.2012.05.008

Hunniford, ME; Mason, GJ; Widowski, TM (2018). Laying hens' preferences for nest surface type are affected by enclosure. *APPLIED ANIMAL BEHAVIOUR SCIENCE*, 201(), 7-14. 10.1016/j.applanim.2017.12.020

Hunniford, ME; Torrey, S; Bedecarrats, G; Duncan, IJH; Widowski, TM (2014). Evidence of competition for nest sites by laying hens in large furnished cages. *APPLIED ANIMAL BEHAVIOUR SCIENCE*, 161(), 95-104. 10.1016/j.applanim.2014.08.005

Hunniford, ME; Widowski, TM (2016). Rearing environment and laying location affect pre-laying behaviour in enriched cages. *APPLIED ANIMAL BEHAVIOUR SCIENCE*, 181(), 205-213. 10.1016/j.applanim.2016.05.013

Hunniford, ME; Widowski, TM (2017). Nest alternatives: Adding a wire partition to the scratch area affects nest use and nesting behaviour of laying hens in furnished

- cages. *APPLIED ANIMAL BEHAVIOUR SCIENCE*, 186(), 29-34.  
10.1016/j.applanim.2016.10.018
- Hunniford, ME; Widowski, TM (2018). Curtained nests facilitate settled nesting behaviour of laying hens in furnished cages. *APPLIED ANIMAL BEHAVIOUR SCIENCE*, 202(), 39-45. 10.1016/j.applanim.2018.01.016
- Huntington, HP; Schmidt, JI; Loring, PA; Whitney, E; Aggarwal, S; Byrd, AG; Dev, S; Dotson, AD; Huang, D; Johnson, B; Karenzi, J; Penn, HJF; Salmon, A; Sambor, DJ; Schnabel, WE; Wies, RW; Wilber, M (2021). Applying the food-energy-water nexus concept at the local scale. *NATURE SUSTAINABILITY*, 4(8), 672-679.  
10.1038/s41893-021-00719-1
- Huyben, D; Bevan, D; Stevenson, R; Zhou, HD; Moccia, R (2018). Evaluation of membrane filtration and UV irradiation to control bacterial loads in recirculation aquaculture systems. *AQUACULTURE INTERNATIONAL*, 26(6), 1531-1540.  
10.1007/s10499-018-0301-z
- IEEE; Abuleil, AM; Taylor, GW; Moussa, M (2015). An Integrated System for Mapping Red Clover Ground Cover Using Unmanned Aerial Vehicles, A Case Study in Precision Agriculture. *2015 12TH CONFERENCE ON COMPUTER AND ROBOT VISION CRV 2015*, (), 277-284. 10.1109/CRV.2015.43
- IEEE; Ali, A (2014). Live-wire Segmentation in Agriculture. *2014 INTERNATIONAL CONFERENCE ON COMPUTING, MANAGEMENT AND TELECOMMUNICATIONS (COMMANTEL)*, (), 107-110.
- IEEE; Ashlock, D; Hingston, P (2014). \*Tego - a framework for adversarial planning. *2014 IEEE CONGRESS ON EVOLUTIONARY COMPUTATION (CEC)*, (), 13-20.
- IEEE; Baskerville, P; Ruggles, S; Dillon, L; Schurer, K; Inwood, K; Warren, JR; Roberts, E (2014). Mining Microdata: Economic Opportunity and Spatial Mobility in Britain and the United States, 1850-1881. *2014 IEEE INTERNATIONAL CONFERENCE ON BIG DATA (BIG DATA)*, (), .
- IEEE; Baucas, MJ; Spachos, P (2019). Speech Recognition Driven Assistive Framework for Remote Patient Monitoring. *2019 7TH IEEE GLOBAL CONFERENCE ON SIGNAL AND INFORMATION PROCESSING (IEEE GLOBALSIP)*, (), .
- IEEE; Biglarbegian, M; Al-Turjman, F (2014). Path Planning for Data Collectors in Precision Agriculture WSNs. *2014 INTERNATIONAL WIRELESS COMMUNICATIONS AND MOBILE COMPUTING CONFERENCE (IWCMC)*, (), 483-487.
- IEEE; Chan, J; Lubitz, W (2016). Electronic Load Controller (ELC) Design and Simulation for Remote Rural Communities. *PROCEEDINGS OF THE SIXTH IEEE GLOBAL HUMANITARIAN TECHNOLOGY CONFERENCE GHTC 2016*, (), 360-367.

- IEEE; Gao, Y; Colliander, A; Burgin, MS; Walker, JP; Chae, C; Dinnat, E; Cosh, MH; Caldwell, T; Berg, A; Martinez-Fernandez, J (2018). L-, C- AND X-BAND PASSIVE MICROWAVE SOIL MOISTURE RETRIEVAL ALGORITHM PARAMETERIZATION USING IN SITU VALIDATION SITES. *IGARSS 2018 - 2018 IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM*, (), 1434-1437.
- IEEE; Koirala, N; Dhakal, R; Lubitz, D; Bhandari, S; Dev, GP; Dhakal, Y; Niraula, U (2017). Review of Low Head Turbines System of Nepal for Rural Electrification. *2017 IEEE 6TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS (ICRERA)*, (), 861-869.
- IEEE; Li, CM; Peng, JH; Wang, HB; Yang, SX (2017). A Flood Prediction Method Based on Streaming Big Data Processing. *2017 IEEE INTERNATIONAL CONFERENCE ON INFORMATION AND AUTOMATION (IEEE ICIA 2017)*, (), 898-902.
- IEEE; Simmons, S; Lubitz, W (2017). Archimedes Screw Generators for Sustainable Energy Development. *2017 IEEE CANADA INTERNATIONAL HUMANITARIAN TECHNOLOGY CONFERENCE (IHTC)*, (), .
- IEEE; Wang, W; Li, Y; Xu, X; Yang, SX (2010). An Adaptive Roadmap Guided Multi-RRTs Strategy for Single Query Path Planning. *2010 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA)*, (), 2871-2876.  
10.1109/ROBOT.2010.5509529
- IEEE; Wang, W; Yin, ZS; Ni, JB; Lin, XD; Shen, XM (2019). Against Pilot Spoofing Attack with Double Channel Training in Massive MIMO NOMA Systems. *ICC 2019 - 2019 IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS (ICC)*, (), .
- IHACC Res Team; Brubacher, LJ; Berrang-Ford, L; Clark, S; Patterson, K; Lwasa, S; Namanya, DB; Twesigomwe, S; Harper, SL (). 'We don't use the same ways to treat the illness:' A qualitative study of heterogeneity in health-seeking behaviour for acute gastrointestinal illness among the Ugandan Batwa. *GLOBAL PUBLIC HEALTH*, (), . 10.1080/17441692.2021.1937273
- IHACC Res Team; Ford, J; Maillet, M; Pouliot, V; Meredith, T; Cavanaugh, A (2016). Adaptation and Indigenous peoples in the United Nations Framework Convention on Climate Change. *CLIMATIC CHANGE*, 139(3-4), 429-443. 10.1007/s10584-016-1820-0
- IHACC Res Team; Lam, S; Dodd, W; Skinner, K; Papadopoulos, A; Zivot, C; Ford, J; Garcia, PJ; Harper, SL (2019). Community-based monitoring of Indigenous food security in a changing climate: global trends and future directions. *ENVIRONMENTAL RESEARCH LETTERS*, 14(7), . 10.1088/1748-9326/ab13e4
- IHACC Res Team; Patterson, K; Clark, S; Berrang-Ford, L; Lwasa, S; Namanya, D; Twebaze, F; Harper, SL (2020). Acute gastrointestinal illness in an African

Indigenous population: the lived experience of Uganda's Batwa. *RURAL AND REMOTE HEALTH*, 20(1), . 10.22605/RRH5141

IHACC Res Team; Zavaleta, C; Berrang-Ford, L; Llanos-Cuentas, A; Carcamo, C; Ford, J; Silvera, R; Patterson, K; Marquis, GS; Harper, S (2017). Indigenous Shawi communities and national food security support: Right direction, but not enough. *FOOD POLICY*, 73(), 75-87. 10.1016/j.foodpol.2017.10.001

IHACC Team; Busch, J; Berrang-Ford, L; Clark, S; Patterson, K; Windfeld, E; Donnelly, B; Lwasa, S; Namanya, D; Harper, SL; Llanos, A; Carcamo, C; Ford, J; Edge, V (2019). Is the effect of precipitation on acute gastrointestinal illness in southwestern Uganda different between Indigenous and non-Indigenous communities?. *PLOS ONE*, 14(5), . 10.1371/journal.pone.0214116

Illawathure, C; Parkin, G; Lambot, S; Galagedara, L (2020). Evaluating soil moisture estimation from ground-penetrating radar hyperbola fitting with respect to a systematic time-domain reflectometry data collection in a boreal podzolic agricultural field. *HYDROLOGICAL PROCESSES*, 34(6), 1428-1445. 10.1002/hyp.13646

Imai, RK; Barta, JR (2019). Distribution and abundance of Eimeria species in commercial turkey flocks across Canada. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 60(2), 153-159.

Indigenous Hlth Adaptation Climate; Bryson, JM; Bishop-Williams, KE; Berrang-Ford, L; Nunez, EC; Lwasa, S; Namanya, DB; Harper, SL (2020). Neglected Tropical Diseases in the Context of Climate Change in East Africa: A Systematic Scoping Review. *AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE*, 102(6), 1443-1454. 10.4269/ajtmh.19-0380

Inwood, K; Keay, I (2012). Diverse paths to industrial development: evidence from late-nineteenth-century Canada. *EUROPEAN REVIEW OF ECONOMIC HISTORY*, 16(), 311-333. 10.1093/ereh/hes004

Isaac, ME; Carlsson, G; Ghoulam, C; Makhani, M; Thevathasan, NV; Gordon, AM (2014). Legume Performance and Nitrogen Acquisition Strategies in a Tree-Based Agroecosystem. *AGROECOLOGY AND SUSTAINABLE FOOD SYSTEMS*, 38(6), 686-703. 10.1080/21683565.2013.870630

Isaac, ME; Isakson, SR; Dale, B; Levkoe, CZ; Hargreaves, SK; Mendez, VE; Wittman, H; Hammelman, C; Langill, JC; Martin, AR; Nelson, E; Ekers, M; Borden, KA; Gagliardi, S; Buchanan, S; Archibald, S; Ciani, AG (2018). Agroecology in Canada: Towards an Integration of Agroecological Practice, Movement, and Science. *SUSTAINABILITY*, 10(9), . 10.3390/su10093299

Isaac, ME; Nimmo, V; Gaudin, ACM; Leptin, A; Schmidt, JE; Kallenbach, CM; Martin, A; Entz, M; Carkner, M; Rajcan, I; Boyle, TD; Lu, X (2021). Crop Domestication, Root



Trait Syndromes, and Soil Nutrient Acquisition in Organic Agroecosystems: A Systematic Review. *FRONTIERS IN SUSTAINABLE FOOD SYSTEMS*, 5(), . 10.3389/fsufs.2021.716480

Ischebeck, T; Krawczyk, HE; Mullen, RT; Dyer, JM; Chapman, KD (2020). Lipid droplets in plants and algae: Distribution, formation, turnover and function. *SEMINARS IN CELL & DEVELOPMENTAL BIOLOGY*, 108(), 82-93. 10.1016/j.semcdb.2020.02.014

ISHAM Barcoding Pathogenic Fungi; Meyer, W; Irinyi, L; Hoang, MTV; Robert, V; Garcia-Hermoso, D; Desnos-Ollivier, M; Yurayart, C; Tsang, CC; Lee, CY; Woo, PCY; Pchelin, IM; Uhrlas, S; Nenoff, P; Chindamporn, A; Chen, S; Hebert, PDN; Sorrell, TC; Halliday, C; Arthur, I; Moretti, ML; Soares, CMD; Muniz, MDM; Zancoppe-Oliveira, RM; Cruz, FO; Melo, ASDA; Colombo, AL; Nishikaku, AS; Hendrickx, M; Stubbe, D; Normand, AC; Piarroux, R; Ranque, S; Dromer, F; Arabatzis, M; Velegraki, A; Cardinali, G; Castanon, LR; Taylor, ML; Toriello, C; de Hoog, S; Pais, C; de Beer, W; Gryzenhout, M; Guarro, J; Cano-Lira, JF; Robbertse, B; Schoch, C (2019). Database establishment for the secondary fungal DNA barcode translational elongation factor 1 alpha (TEF1 alpha). *GENOME*, 62(3), 160-169. 10.1139/gen-2018-0083

Ishaq, SL; Parada, FJ; Wolf, PG; Bonilla, CY; Carney, MA; Benezra, A; Wissel, E; Friedman, M; DeAngelis, KM; Robinson, JM; Fahimipour, AK; Manus, MB; Grieneisen, L; Dietz, LG; Pathak, A; Chauhan, A; Kuthyar, S; Stewart, JD; Dasari, MR; Nonnamaker, E; Choudoir, M; Horve, PF; Zimmerman, NB; Kozik, AJ; Darling, KW; Romero-Olivares, AL; Hariharan, J; Farmer, N; Maki, KA; Collier, JL; O'Doherty, KC; Letourneau, J; Kline, J; Moses, PL; Morar, N (2021). Introducing the Microbes and Social Equity Working Group: Considering the Microbial Components of Social, Environmental, and Health Justice. *MSYSTEMS*, 6(4), . 10.1128/mSystems.00471-21

Islam, R; Zhou, T; Young, JC; Goodwin, PH; Pauls, KP (2012). Aerobic and anaerobic de-epoxydation of mycotoxin deoxynivalenol by bacteria originating from agricultural soil. *WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY*, 28(1), 7-13. 10.1007/s11274-011-0785-4

Islam, T; Vera, C; Slaski, J; Mohr, R; Rashid, KY; Booker, H; Kutcher, HR (2021). Fungicide Management of Pasm Disease of Flax and Sensitivity of *Septoria linicola* to Pyraclostrobin and Fluxapyroxad. *PLANT DISEASE*, 105(6), 1677-1684. 10.1094/PDIS-06-20-1175-RE

Ito, K; von Keyserlingk, MAG; LeBlanc, SJ; Weary, DM (2010). Lying behavior as an indicator of lameness in dairy cows. *JOURNAL OF DAIRY SCIENCE*, 93(8), 3553-3560. 10.3168/jds.2009-2951

Ivanovski, B; Seetharaman, K; Duizer, LM (2012). Development of Soy-Based Bread with Acceptable Sensory Properties. *JOURNAL OF FOOD SCIENCE*, 77(1), S71-S76. 10.1111/j.1750-3841.2011.02510.x

- Jacques, D; Fox, G; White, P (2018). Farm level economic analysis of subsurface drip irrigation in Ontario corn production. *AGRICULTURAL WATER MANAGEMENT*, 203(), 333-343. 10.1016/j.agwat.2018.03.018
- Jamrozik, J; McGrath, S; Kemp, RA; Miller, SP (2012). Genetic analysis of female fertility traits in Canadian Simmentals. *LIVESTOCK SCIENCE*, 150(1-3), 302-309. 10.1016/j.livsci.2012.09.018
- Jamrozik, J; McGrath, S; Kemp, RA; Miller, SP (2013). Estimates of genetic parameters for stayability to consecutive calvings of Canadian Simmentals by random regression models. *JOURNAL OF ANIMAL SCIENCE*, 91(8), 3634-3643. 10.2527/jas.2012-6126
- Jamrozik, J; Miller, SP (2014). Genetic evaluation of calving ease in Canadian Simmentals using birth weight and gestation length as correlated traits. *LIVESTOCK SCIENCE*, 162(), 42-49. 10.1016/j.livsci.2014.01.027
- Janezic, S; Zidaric, V; Pardon, B; Indra, A; Kokotovic, B; Blanco, JL; Seyboldt, C; Diaz, CR; Poxton, IR; Perreten, V; Drigo, I; Jiraskova, A; Ocepek, M; Weese, JS; Songer, JG; Wilcox, MH; Rupnik, M (2014). International Clostridium difficile animal strain collection and large diversity of animal associated strains. *BMC MICROBIOLOGY*, 14(), . 10.1186/1471-2180-14-173
- Jansen, HM; Reid, GK; Bannister, RJ; Husa, V; Robinson, SMC; Cooper, JA; Quinton, C; Strand, O (2016). Discrete water quality sampling at open-water aquaculture sites: limitations and strategies. *AQUACULTURE ENVIRONMENT INTERACTIONS*, 8(), 463-480. 10.3354/aei00192
- Janzen, DH; Hallwachs, W; Pereira, G; Blanco, R; Masis, A; Chavarria, MM; Chavarria, F; Guadamuz, A; Araya, M; Smith, MA; Valerio, J; Guido, H; Sanchez, E; Bermudez, S; Perez, K; Manjunath, R; Ratnasingham, S; St Jacques, B; Milton, M; DeWaard, JR; Zakharov, E; Naik, S; Hajibabaei, M; Hebert, PDN; Hasegawa, M (2020). Using DNA-barcoded Malaise trap samples to measure impact of a geothermal energy project on the biodiversity of a Costa Rican old-growth rain forest. *GENOME*, 63(9), 407-436. 10.1139/gen-2020-0002
- Jardine, CM; Janecko, N; Allan, M; Boerlin, P; Chalmers, G; Kozak, G; McEwen, SA; Reid-Smith, RJ (2012). Antimicrobial Resistance in Escherichia coli Isolates from Raccoons (Procyon lotor) in Southern Ontario, Canada. *APPLIED AND ENVIRONMENTAL MICROBIOLOGY*, 78(11), 3873-3879. 10.1128/AEM.00705-12
- Jardine, CM; Parmley, EJ; Buchanan, T; Nituch, L; Ojkic, D (2018). Avian metapneumovirus subtype C in Wild Waterfowl in Ontario, Canada. *TRANSBOUNDARY AND EMERGING DISEASES*, 65(4), 1098-1102. 10.1111/tbed.12832

- Jarquín, D; de Leon, N; Romay, C; Bohn, M; Buckler, ES; Ciampitti, I; Edwards, J; Ertl, D; Flint-Garcia, S; Gore, MA; Graham, C; Hirsch, CN; Holland, JB; Hooker, D; Kaeppeler, SM; Knoll, J; Lee, EC; Lawrence-Dill, CJ; Lynch, JP; Moose, SP; Murray, SC; Nelson, R; Rocheford, T; Schnable, JC; Schnable, PS; Smith, M; Springer, N; Thomison, P; Tuinstra, M; Wisser, RJ; Xu, WW; Yu, JM; Lorenz, A (2021). Utility of Climatic Information via Combining Ability Models to Improve Genomic Prediction for Yield Within the Genomes to Fields Maize Project. *FRONTIERS IN GENETICS*, 11(), . 10.3389/fgene.2020.592769
- Jayasundara, S; Appuhamy, JADRN; Kebreab, E; Wagner-Riddle, C (2016). Methane and nitrous oxide emissions from Canadian dairy farms and mitigation options: An updated review. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 96(3), 306-331. 10.1139/cjas-2015-0111
- Jayasundara, S; Worden, D; Weersink, A; Wright, T; VanderZaag, A; Gordon, R; Wagner-Riddle, C (2019). Improving farm profitability also reduces the carbon footprint of milk production in intensive dairy production systems. *JOURNAL OF CLEANER PRODUCTION*, 229(), 1018-1028. 10.1016/j.jclepro.2019.04.013
- Jeffery, S; Abalos, D; Prodana, M; Bastos, AC; van Groenigen, JW; Hungate, BA; Verheijen, F (2017). Biochar boosts tropical but not temperate crop yields. *ENVIRONMENTAL RESEARCH LETTERS*, 12(5), . 10.1088/1748-9326/aa67bd
- Jelinski, MD; LeBlanc, S; Kennedy, R (2015). Demographics of the Canadian dairy industry from 1991 to 2011. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 56(7), 701-708.
- Jenkins, AE; Grygorczyk, A; Boecker, A (2020). Science Communication: Synthesis of Research Findings and Practical Advice from Experienced Communicators. *JOURNAL OF EXTENSION*, 58(4), .
- Jenni, S; Vigneault, C; Boutin, J; Dubuc, JF; Takasu, FW; Rennie, T (2012). Towards Predicting Rib Discoloration from Field Temperature and Phenology in Crisphead Lettuce. *XXVIII INTERNATIONAL HORTICULTURAL CONGRESS ON SCIENCE AND HORTICULTURE FOR PEOPLE (IHC2010): INTERNATIONAL SYMPOSIUM ON QUALITY-CHAIN MANAGEMENT OF FRESH VEGETABLES: FROM FORK TO FARM*, 936(), 113-117. 10.17660/ActaHortic.2012.936.12
- Ji, WJ; Adamchuk, VI; Chen, SC; Su, ASM; Ismail, A; Gan, QJ; Shi, Z; Biswas, A (2019). Simultaneous measurement of multiple soil properties through proximal sensor data fusion: A case study. *GEODERMA*, 341(), 111-128. 10.1016/j.geoderma.2019.01.006
- Ji, YD; Li, Y; Yao, N; Biswas, A; Zou, YF; Meng, QT; Liu, FG (2021). The lagged effect and impact of soil moisture drought on terrestrial ecosystem water use efficiency. *ECOLOGICAL INDICATORS*, 133(), . 10.1016/j.ecolind.2021.108349

- Jia, Q; Gu, Q; Zheng, L; Hsiang, T; Luo, C; Huang, J (2015). Genetic analysis of the population structure of the rice false smut fungus, *Villosiclava virens*, in China using microsatellite markers mined from a genome assembly. *PLANT PATHOLOGY*, 64(6), 1440-1449. 10.1111/ppa.12373
- Jiao, WJ; Min, QW; Fuller, AM (2017). Converting rice paddy to dry land farming in the Tai Lake Basin, China: toward an understanding of environmental and economic impacts. *PADDY AND WATER ENVIRONMENT*, 15(1), 171-179. 10.1007/s10333-016-0538-y
- Jindo, K; Sanchez-Monedero, MA; Mastrolonardo, G; Audette, Y; Higashikawa, FS; Silva, CA; Akashi, K; Mondini, C (2020). Role of biochar in promoting circular economy in the agriculture sector. Part 2: A review of the biochar roles in growing media, composting and as soil amendment. *CHEMICAL AND BIOLOGICAL TECHNOLOGIES IN AGRICULTURE*, 7(1), . 10.1186/s40538-020-00179-3
- Johnson, C (). The end of the maternal health moment: an examination of Canada's evolving global reproductive policy commitments. *INTERNATIONAL FEMINIST JOURNAL OF POLITICS*, (), . 10.1080/14616742.2021.1997150
- Johnson, C (2020). Socially engaged research across borders: feminist bridges for global gender justice and human rights. *POLITICS GROUPS AND IDENTITIES*, 8(2), 444-452. 10.1080/21565503.2019.1629312
- Johnson, C; Bowles, MT (2010). Making the Grade? Private Education in Northern India. *JOURNAL OF DEVELOPMENT STUDIES*, 46(3), 485-505. 10.1080/00220380903002939
- Johnson, IR; France, J; Thornley, JHM; Bell, MJ; Eckard, RJ (2012). A generic model of growth, energy metabolism, and body composition for cattle and sheep. *JOURNAL OF ANIMAL SCIENCE*, 90(13), 4741-4751. 10.2527/jas.2011-5053
- Johnson, PD; Bogan, AE; Brown, KM; Burkhead, NM; Cordeiro, JR; Garner, JT; Hartfield, PD; Lepitzki, DAW; Mackie, GL; Pip, E; Tarpley, TA; Tiemann, JS; Whelan, NV; Strong, EE (2013). Conservation Status of Freshwater Gastropods of Canada and the United States. *FISHERIES*, 38(6), 247-282. 10.1080/03632415.2013.785396
- Johnson, R; Fraser, EDG; Hawkins, R (2016). Overcoming Barriers to Scaling Up Sustainable Alternative Food Systems: A Comparative Case Study of Two Ontario-Based Wholesale Produce Auctions. *SUSTAINABILITY*, 8(4), . 10.3390/su8040328
- Johnson, RP; Holtslander, B; Mazzocco, A; Roche, S; Thomas, JL; Pollari, F; Pintar, KDM (2014). Detection and Prevalence of Verotoxin-Producing *Escherichia coli* O157 and Non-O157 Serotypes in a Canadian Watershed. *APPLIED AND ENVIRONMENTAL MICROBIOLOGY*, 80(7), 2166-2175. 10.1128/AEM.03391-13

- Johnston-Monje, D; Lundberg, DS; Lazarovits, G; Reis, VM; Raizada, MN (2016). Bacterial populations in juvenile maize rhizospheres originate from both seed and soil. *PLANT AND SOIL*, 405(1-2), 337-355. 10.1007/s11104-016-2826-0
- Johnstone, JF; Chapin, FS; Hollingsworth, TN; Mack, MC; Romanovsky, V; Turetsky, M (2010). Fire, climate change, and forest resilience in interior Alaska. *CANADIAN JOURNAL OF FOREST RESEARCH*, 40(7), 1302-1312. 10.1139/X10-061
- Jones-Baumgardt, C; Llewellyn, D; Ying, QL; Zheng, YB (2019). Intensity of Sole-source Light-emitting Diodes Affects Growth, Yield, and Quality of Brassicaceae Microgreens. *HORTSCIENCE*, 54(7), 1168-1174. 10.21273/HORTSCI13788-18
- Jones-Bitton, A; Hagen, B; Fleming, SJ; Hoy, S (2019). Farmer Burnout in Canada. *INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH*, 16(24), . 10.3390/ijerph16245074
- Jones, AMP; Shukla, MR; Sherif, SM; Brown, PB; Saxena, PK (2016). Growth regulating properties of isoprene and isoprenoid-based essential oils. *PLANT CELL REPORTS*, 35(1), 91-102. 10.1007/s00299-015-1870-1
- Jones, NT; Husband, BC; MacDougall, AS (2013). Reproductive system of a mixed-mating plant responds to climate perturbation by increased selfing. *PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*, 280(1766), . 10.1098/rspb.2013.1336
- Joppe, M; Shen, Y; Veltri, G (2020). Embedding indigenous learning outcomes in a tourism curriculum: The case of Confederation College, Canada. *JOURNAL OF HOSPITALITY LEISURE SPORT & TOURISM EDUCATION*, 26(), . 10.1016/j.jhlste.2020.100241
- Jorgensen, EH; Bernier, NJ; Maule, AG; Vijayan, MM (2016). Effect of long-term fasting and a subsequent meal on mRNA abundances of hypothalamic appetite regulators, central and peripheral leptin expression and plasma leptin levels in rainbow trout. *PEPTIDES*, 86(), 162-170. 10.1016/j.peptides.2015.08.010
- Joseph, A; Chalmers, L; Smithers, J (2013). Contested and congested spaces: Exploring authenticity in New Zealand farmers' markets. *NEW ZEALAND GEOGRAPHER*, 69(1), 52-62. 10.1111/nzg.12010
- Joseph, AE; Chalmers, AL (2013). "Restructuring long-term care and the geography of ageing: A view from rural New Zealand" (vol 42, pg 887, 1996). *SOCIAL SCIENCE & MEDICINE*, 83(), 142-142. 10.1016/j.socscimed.2013.02.001
- Juarez, MM; Lam, S; Bohrer, B; Dugan, M; Vahmani, P; Prieto, N; Campos, OL; Aalhus, J (2020). Enhancing the nutritional value of red meats through genetic and feeding strategies. *JOURNAL OF ANIMAL SCIENCE*, 98(), 82-82. 10.1093/jas/skaa278.150

- Julien, DA; Sargeant, JM; Filejski, C; Harper, SL (2020). Ouch! A cross-sectional study investigating self-reported human exposure to dog bites in rural and urban households in southern Ontario, Canada. *ZOOZOSES AND PUBLIC HEALTH*, 67(5), 554-565. 10.1111/zph.12719
- Kakhki, RAM; Heuthorst, T; Mills, A; Neijat, M; Kiarie, E (2019). Interactive effects of calcium and top-dressed 25-hydroxy vitamin D3 on egg production, egg shell quality, and bones attributes in aged Lohmann LSL-lite layers. *POULTRY SCIENCE*, 98(3), 1254-1262. 10.3382/ps/pey446
- Kakhki, RAM; Kiarie, EG (2021). Effect of *Escherichia coli* lipopolysaccharide challenge on eggshell, tibia, and keel bone attributes in ISA brown hens exposed to dietary n-3 fatty acids prior to onset of lay. *POULTRY SCIENCE*, 100(11), . 10.1016/j.psj.2021.101431
- Kakhki, RAM; Lu, Z; Thanabalan, A; Leung, H; Mohammadigheisar, M; Kiarie, E (2019). *Eimeria* challenge adversely affected long bone attributes linked to increased resorption in 14-day-old broiler chickens. *POULTRY SCIENCE*, 98(4), 1615-1621. 10.3382/ps/pey527
- Kakhki, RAM; Ma, DWL; Price, KR; Moats, J; Karrow, NA; Kiarie, EG (2021). Impact of feeding n-3 fatty acids to layer breeders and their offspring on concentration of antibody titres against infectious bronchitis, and Newcastle diseases and plasma fatty acids in the offspring. *BRITISH POULTRY SCIENCE*, 62(2), 270-277. 10.1080/00071668.2020.1847254
- Kakhki, RAM; Shouldice, VL; Price, KR; Moats, J; Kiarie, EG (2020). n-3 fatty acids fed to ISA brown and Shaver white breeders and their female progeny during rearing: Impact on egg production, eggshell, and select bone attributes from 18 to 42 weeks of age. *POULTRY SCIENCE*, 99(8), 3959-3970. 10.1016/j.psj.2020.03.061
- Kalinga, DN; Bertoft, E; Tetlow, I; Liu, Q; Yada, RY; Seetharaman, K (2014). Evolution of amylopectin structure in developing wheat endosperm starch. *CARBOHYDRATE POLYMERS*, 112(), 316-324. 10.1016/j.carbpol.2014.05.008
- Kamath, D; Kong, Y; Dayboll, C; Blom, T; Zheng, YB (2021). Seed germination responses to low-level narrow-band light spectra for 14 ornamental plant genotypes. *CANADIAN JOURNAL OF PLANT SCIENCE*, 101(6), 933-942. 10.1139/cjps-2020-0330
- Kamath, D; Kong, Y; Dayboll, C; Zheng, YB (2021). Dynamic versus Concurrent Lighting with Red and Blue Light-emitting Diodes as the Sole Light Source Can Potentially Improve *Campanula* Stock Plant Morphology for Cutting Production. *HORTSCIENCE*, 56(11), 1439-+. 10.21273/HORTSCI16034-21
- Kamruzzaman, M; Chowdhury, A; Odame, HH; Sarapura, S (2019). How do extension agents of DAE use social media for strengthening agricultural innovation in

Bangladesh?. *RURAL EXTENSION AND INNOVATION SYSTEMS JOURNAL*, 15(1), 10-19.

- Kandel, YR; Hunt, C; Ames, K; Arneson, N; Bradley, CA; Byamukama, E; Byrne, A; Chilvers, MI; Giesler, LJ; Halvorson, J; Hooker, DC; Kleczewski, NM; Malvick, DK; Markell, S; Potter, B; Pedersen, W; Smith, DL; Tenuta, AU; Telenko, DEP; Wise, KA; Mueller, DS (2021). Meta-Analysis of Soybean Yield Response to Foliar Fungicides Evaluated from 2005 to 2018 in the United States and Canada. *PLANT DISEASE*, 105(5), 1382-1389. 10.1094/PDIS-07-20-1578-RE
- Kang, JF; Zhang, YN; Biswas, A (2021). Land Degradation and Development Processes and Their Response to Climate Change and Human Activity in China from 1982 to 2015. *REMOTE SENSING*, 13(17), . 10.3390/rs13173516
- Kang, P; Toms, D; Yin, YL; Cheung, Q; Gong, J; De Lange, K; Li, JL (2010). Epidermal Growth Factor-Expressing *Lactococcus lactis* Enhances Intestinal Development of Early-Weaned Pigs. *JOURNAL OF NUTRITION*, 140(4), 806-811. 10.3945/jn.109.114173
- Kankainen, M; Setaelae, J; Kause, A; Quinton, C; Airaksinen, S; Koskela, J (2016). Economic values of supply chain productivity and quality traits calculated for a farmed European whitefish breeding program. *AQUACULTURE ECONOMICS & MANAGEMENT*, 20(2), 131-164. 10.1080/13657305.2016.1155961
- Kariyapperuma, KA; Wagner-Riddle, C; Furon, AC; Li, CS (2011). Assessing Spring Thaw Nitrous Oxide Fluxes Simulated by the DNDC Model for Agricultural Soils. *SOIL SCIENCE SOCIETY OF AMERICA JOURNAL*, 75(2), 678-690. 10.2136/sssaj2010.0264
- Karsunke, XYZ; Wang, HF; Weber, E; McLean, MD; Niessner, R; Hall, JC; Knopp, D (2012). Development of single-chain variable fragment (scFv) antibodies against hapten benzo[a]pyrene: a binding study. *ANALYTICAL AND BIOANALYTICAL CHEMISTRY*, 402(1), 499-507. 10.1007/s00216-011-5389-1
- Kassem, HS; Hussein, MA; Ismail, H (2021). Toward Fraudulent Pesticides in Rural Areas: Do Farmers' Recognition and Purchasing Behaviors Matter?. *AGRONOMY-BASEL*, 11(9), . 10.3390/agronomy11091882
- Kauffman, MJ; Cagnacci, F; Chamaille-Jammes, S; Hebblewhite, M; Hopcraft, JGC; Merkle, JA; Mueller, T; Mysterud, A; Peters, W; Roettger, C; Steingisser, A; Meacham, JE; Abera, K; Adamczewski, J; Aikens, EO; Bartlam-Brooks, H; Bennitt, E; Berger, J; Boyd, C; Cote, SD; Debeffe, L; Dekrout, AS; Dejid, N; Donadio, E; Dziba, L; Fagan, WF; Fischer, C; Focardi, S; Fryxell, JM; Fynn, RWS; Geremia, C; Gonzalez, BA; Gunn, A; Gurarie, E; Heurich, M; Hilty, J; Hurley, M; Johnson, A; Joly, K; Kaczensky, P; Kendall, CJ; Kochkarev, P; Kolpaschikov, L; Kowalczyk, R; van Langevelde, F; Li, BV; Lobora, AL; Loison, A; Madiri, TH; Mallon, D; Marchand, P; Medellin, RA; Meisingset, E; Merrill, E; Middleton, AD; Monteith, KL; Morjan, M;

- Morrison, TA; Mumme, S; Naidoo, R; Novaro, A; Ogutu, JO; Olson, KA; Oteng-Yeboah, A; Ovejero, RJA; Owen-Smith, N; Paasivaara, A; Packer, C; Panchenko, D; Pedrotti, L; Plumptre, AJ; Rolandsen, CM; Said, S; Salemgareyev, A; Savchenko, A; Savchenko, P; Sawyer, H; Selebatso, M; Skroch, M; Solberg, E; Stabach, JA; Strand, O; Sutor, MJ; Tachiki, Y; Trainor, A; Tshipa, A; Virani, MZ; Vynne, C; Ward, S; Wittemyer, G; Xu, WJ; Zuther, S (2021). Mapping out a future for ungulate migrations. *SCIENCE*, 372(6542), 566-+. 10.1126/science.abf0998
- Kaufman, EI; Asselstine, VH; LeBlanc, SJ; Duffield, TF; DeVries, TJ (2018). Association of rumination time and health status with milk yield and composition in early-lactation dairy cows. *JOURNAL OF DAIRY SCIENCE*, 101(1), 462-471. 10.3168/jds.2017-12909
- Kaufman, EI; LeBlanc, SJ; McBride, BW; Duffield, TF; DeVries, TJ (2016). Short communication: Association of lying behavior and subclinical ketosis in transition dairy cows. *JOURNAL OF DAIRY SCIENCE*, 99(9), 7473-7480. 10.3168/jds.2016-11185
- Kaufman, J; Linington, M; Osborne, VR; Wagner-Riddle, C; Wright, TC (2015). SHORT COMMUNICATION: Field study of air ammonia concentrations in Ontario dairy calf housing microenvironments. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 95(4), 539-542. 10.4141/CJAS-2015-013
- Kaushik, P; Chowdhury, A; Odame, HH; van Paassen, A (2018). Social Media for Enhancing Stakeholders' Innovation Networks in Ontario, Canada. *JOURNAL OF AGRICULTURAL & FOOD INFORMATION*, 19(4), 331-353. 10.1080/10496505.2018.1430579
- Kavanagh, RJ; Frank, RA; Solomon, KR; Van der Kraak, G (2013). Reproductive and health assessment of fathead minnows (*Pimephales promelas*) inhabiting a pond containing oil sands process-affected water. *AQUATIC TOXICOLOGY*, 130(), 201-209. 10.1016/j.aquatox.2013.01.007
- Kaviani, M; Hunter, DM; Goodwin, PH; Nassuth, A (2013). Pear rootstock effects on seasonal colonization pattern of pear decline phytoplasma. *CANADIAN JOURNAL OF PLANT PATHOLOGY*, 35(1), 115-115.
- Kazachkov, M; Li, Q; Shen, WY; Wang, LP; Gao, P; Xiang, DQ; Datla, R; Zou, JT (2020). Molecular identification and functional characterization of a cyanogenic glucosyltransferase from flax (*Linum unsitatissimum*). *PLOS ONE*, 15(2), . 10.1371/journal.pone.0227840
- Kearney, D; Dugauguez, O; Bejan, D; Bunce, NJ (2013). Electrochemical Oxidation for Denitrification of Ammonia: A Conceptual Approach for Remediation of Ammonia in Poultry Barns. *ACS SUSTAINABLE CHEMISTRY & ENGINEERING*, 1(1), 190-197. 10.1021/sc300097p



- Keay, S; Sargeant, JM; O'Connor, A; Friendship, R; O'Sullivan, T; Poljak, Z (2020). Veterinarian barriers to knowledge translation (KT) within the context of swine infectious disease research: an international survey of swine veterinarians. *BMC VETERINARY RESEARCH*, 16(1), . 10.1186/s12917-020-02617-8
- Kebreab, E; Strathe, AB; Yitbarek, A; Nyachoti, CM; Dijkstra, J; Lopez, S; France, J (2011). Modeling the efficiency of phosphorus utilization in growing pigs. *JOURNAL OF ANIMAL SCIENCE*, 89(9), 2774-2781. 10.2527/jas.2009-2550
- Kelliher, F; Reinl, L; Johnson, TG; Joppe, M (2018). The role of trust in building rural tourism micro firm network engagement: A multi-case study. *TOURISM MANAGEMENT*, 68(), 1-12. 10.1016/j.tourman.2018.02.014
- Kelly, R; Healy, K; Anand, M; Baudraz, MEA; Bahn, M; Cerabolini, BEL; Cornelissen, JHC; Dwyer, JM; Jackson, AL; Kattge, J; Niinemets, U; Penuelas, J; Pierce, S; Salguero-Gomez, R; Buckley, YM (2021). Climatic and evolutionary contexts are required to infer plant life history strategies from functional traits at a global scale. *ECOLOGY LETTERS*, 24(5), 970-983. 10.1111/ele.13704
- Kennedy, G; Inwood, K (2012). A New Prosopography The Enumerators of the 1891 Census in Ontario. *HISTORICAL METHODS*, 45(2), 65-77. 10.1080/01615440.2011.636731
- Ker, AP (2021). Introduction to the policy articles on Trump to Biden: Implications for Canadian Agriculture. *CANADIAN JOURNAL OF AGRICULTURAL ECONOMICS-REVUE CANADIENNE D AGROECONOMIE*, 69(1), 17-17. 10.1111/cjag.12270
- Ker, AP; Barnett, B; Jacques, D; Tolhurst, T (2017). Canadian Business Risk Management: Private Firms, Crown Corporations, and Public Institutions. *CANADIAN JOURNAL OF AGRICULTURAL ECONOMICS-REVUE CANADIENNE D AGROECONOMIE*, 65(4), 591-612. 10.1111/cjag.12144
- Ker, AP; Cardwell, R (2020). Introduction to the special issue on COVID-19 and the Canadian agriculture and food sectors: Thoughts from the pandemic onset. *CANADIAN JOURNAL OF AGRICULTURAL ECONOMICS-REVUE CANADIENNE D AGROECONOMIE*, 68(2), 139-142. 10.1111/cjag.12245
- Kerr, AK; Farrar, AM; Waddell, LA; Wilkins, W; Wilhelm, BJ; Bucher, O; Wills, RW; Bailey, RH; Varga, C; McEwen, SA; Rajic, A (2013). A systematic review-meta-analysis and meta-regression on the effect of selected competitive exclusion products on Salmonella spp. prevalence and concentration in broiler chickens. *PREVENTIVE VETERINARY MEDICINE*, 111(1-2), 112-125. 10.1016/j.prevetmed.2013.04.005
- Kesanakurti, PR; Fazekas, AJ; Burgess, KS; Percy, DM; Newmaster, SG; Graham, SW; Barrett, SCH; Hajibabaei, M; Husband, BC (2011). Spatial patterns of plant

- diversity below-ground as revealed by DNA barcoding. *MOLECULAR ECOLOGY*, 20(6), 1289-1302. 10.1111/j.1365-294X.2010.04989.x
- Kettridge, N; Turetsky, MR; Sherwood, JH; Thompson, DK; Miller, CA; Benscoter, BW; Flannigan, MD; Wotton, BM; Waddington, JM (2015). Moderate drop in water table increases peatland vulnerability to post-fire regime shift. *SCIENTIFIC REPORTS*, 5(), . 10.1038/srep08063
- Khadka, K; Earl, HJ; Raizada, MN; Navabi, A (2020). A Physio-Morphological Trait-Based Approach for Breeding Drought Tolerant Wheat. *FRONTIERS IN PLANT SCIENCE*, 11(), . 10.3389/fpls.2020.00715
- Khadka, K; Kaviani, M; Raizada, MN; Navabi, A (2021). Phenotyping and Identification of Reduced Height (Rht) Alleles (Rht-B1b and Rht-D1b) in a Nepali Spring Wheat (*Triticum aestivum* L.) Diversity Panel to Enable Seedling Vigor Selection. *AGRONOMY-BASEL*, 11(12), . 10.3390/agronomy11122412
- Khadka, K; Torkamaneh, D; Kaviani, M; Belzile, F; Raizada, MN; Navabi, A (2020). Population structure of Nepali spring wheat (*Triticum aestivum* L.) germplasm. *BMC PLANT BIOLOGY*, 20(1), . 10.1186/s12870-020-02722-8
- Khalidy, R; Haque, F; Chiang, YW; Santos, RM (2021). Monitoring Pedogenic Inorganic Carbon Accumulation Due to Weathering of Amended Silicate Minerals in Agricultural Soils. *JOVE-JOURNAL OF VISUALIZED EXPERIMENTS*, (172), . 10.3791/61996
- Khan, B; Lauzon, A (2018). Supporting Rural Youth Development and Learning through Rural Afterschool Programs: Staff Perspectives. *JOURNAL OF RURAL AND COMMUNITY DEVELOPMENT*, 13(4), 118-137.
- Khan, SU; O'Sullivan, TL; Poljak, Z; Alsop, J; Greer, AL (2018). Modeling livestock population structure: a geospatial database for Ontario swine farms. *BMC VETERINARY RESEARCH*, 14(), . 10.1186/s12917-018-1362-y
- Khanal, R; Earl, H; Lee, EA; Lukens, L (2011). The Genetic Architecture of Flowering Time and Related Traits in Two Early Flowering Maize Lines. *CROP SCIENCE*, 51(1), 146-156. 10.2135/cropsci2010.03.0177
- Khanal, R; Rupert, T; Navabi, A; Smith, TH; Michaels, TE; Burt, AJ; Pauls, KP (2016). Yeti kidney bean. *CANADIAN JOURNAL OF PLANT SCIENCE*, 96(2), 280-282. 10.1139/cjps-2015-0181
- Khanal, T; Bedecarrats, GY; Widowski, TM; Kiarie, EG (2020). Rearing cage type and dietary limestone particle size: II, effects on egg production, eggshell, and bone quality in Lohmann selected Leghorn-Lite hens. *POULTRY SCIENCE*, 99(11), 5763-5770. 10.1016/j.psj.2020.06.079

- Khansafid, M; Pryce, JE; Bolormaa, S; Miller, SP; Wang, Z; Li, C; Goddard, ME (2014). Estimation of genomic breeding values for residual feed intake in a multibreed cattle population. *JOURNAL OF ANIMAL SCIENCE*, 92(8), 3270-3283. 10.2527/jas.2014-7375
- Khodabin, G; Lightburn, K; Hashemi, SM; Moghada, MSK; Jalilian, A (). Evaluation of nitrate leaching, fatty acids, physiological traits and yield of rapeseed (*Brassica napus*) in response to tillage, irrigation and fertilizer management. *PLANT AND SOIL*, (), . 10.1007/s11104-021-05294-0
- Khosravi, K; Daggupati, P; Alami, MT; Awadh, SM; Ghareb, MI; Panahi, M; Pham, BT; Rezaie, F; Qi, CC; Yaseen, ZM (2019). Meteorological data mining and hybrid data-intelligence models for reference evaporation simulation: A case study in Iraq. *COMPUTERS AND ELECTRONICS IN AGRICULTURE*, 167(), . 10.1016/j.compag.2019.105041
- Kiarie, E; Voth, C; Wey, D; Zhu, C; Vingerhoeds, P; Borucki, S; Squires, EJ (2018). Comparative efficacy of antibiotic growth promoter and benzoic acid on growth performance, nutrient utilization, and indices of gut health in nursery pigs fed corn-soybean meal diet. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 98(4), 868-874. 10.1139/cjas-2018-0056
- Kiarie, E; Walsh, MC; Romero, LF; Arent, S; Ravindran, V (2017). Nutrient and fiber utilization responses of supplemental xylanase in broiler chickens fed wheat based diets are independent of the adaptation period to test diets. *POULTRY SCIENCE*, 96(9), 3239-3245. 10.3382/ps/pex100
- Kiarie, EG; Parenteau, IA; Zhu, CL; Ward, NE; Cowieson, AJ (2020). Digestibility of amino acids, energy, and minerals in roasted full-fat soybean and expelled-extruded soybean meal fed to growing pigs without or with multienzyme supplement containing fiber-degrading enzymes, protease, and phytase. *JOURNAL OF ANIMAL SCIENCE*, 98(6), . 10.1093/jas/skaa174
- Kim, E; Leung, H; Akhtar, N; Li, J; Barta, JR; Wang, Y; Yang, C; Kiarie, E (2017). Growth performance and gastrointestinal responses of broiler chickens fed corn-soybean meal diet without or with exogenous epidermal growth factor upon challenge with *Eimeria*. *POULTRY SCIENCE*, 96(10), 3676-3686. 10.3382/ps/pex192
- Kim, JJ; Yu, JJ; Bag, J; Bakovic, M; Cant, JP (2015). Translation attenuation via 3' terminal codon usage in bovine *csn1s2* is responsible for the difference in alpha(s2)- and beta-casein profile in milk. *RNA BIOLOGY*, 12(3), 354-367. 10.1080/15476286.2015.1017231
- Kim, K; Hosseindoust, A; Choi, Y; Kim, M; Lee, JH; Kim, T; Chae, B (2021). Hot-Melt Extruded Selenium: a Highly Absorbable Nano-Selenium in Lactating Sows

Exposed to High Ambient Temperature. *BIOLOGICAL TRACE ELEMENT RESEARCH*, 199(9), 3345-3353. 10.1007/s12011-020-02459-3

- Kim, KS; Taylor, SE; Gleason, ML; Nutter, FW; Coop, LB; Pfender, WF; Seem, RC; Sentelhas, PC; Gillespie, TJ; Marta, AD; Orlandini, S (2010). Spatial portability of numerical models of leaf wetness duration based on empirical approaches. *AGRICULTURAL AND FOREST METEOROLOGY*, 150(7-8), 871-880. 10.1016/j.agrformet.2010.02.006
- King, MTM; Dancy, KM; LeBlanc, SJ; Pajor, EA; DeVries, TJ (2017). Deviations in behavior and productivity data before diagnosis of health disorders in cows milked with an automated system. *JOURNAL OF DAIRY SCIENCE*, 100(10), 8358-8371. 10.3168/jds.2017-12723
- King, MTM; DeVries, TJ (2018). Graduate Student Literature Review: Detecting health disorders using data from automatic milking systems and associated technologies. *JOURNAL OF DAIRY SCIENCE*, 101(9), 8605-8614. 10.3168/jds.2018-14521
- King, MTM; Duffield, TF; DeVries, TJ (2019). Assessing the accuracy of inline milk fat-to-protein ratio data as an indicator of hyperketonemia in dairy cows in herds with automated milking systems. *JOURNAL OF DAIRY SCIENCE*, 102(9), 8417-8422. 10.3168/jds.2018-16070
- King, MTM; LeBlanc, SJ; Pajor, EA; DeVries, TJ (2017). Cow-level associations of lameness, behavior, and milk yield of cows milked in automated systems. *JOURNAL OF DAIRY SCIENCE*, 100(6), 4818-4828. 10.3168/jds.2016-12281
- King, MTM; Pajor, EA; LeBlanc, SJ; DeVries, TJ (2016). Associations of herd-level housing, management, and lameness prevalence with productivity and cow behavior in herds with automated milking systems. *JOURNAL OF DAIRY SCIENCE*, 99(11), 9069-9079. 10.3168/jds.2016-11329
- King, MTM; Sparkman, KJ; LeBlanc, SJ; DeVries, TJ (2018). Milk yield relative to supplement intake and rumination time differs by health status for fresh cows milked with automated systems. *JOURNAL OF DAIRY SCIENCE*, 101(11), 10168-10176. 10.3168/jds.2018-14671
- King, N; Dewey, C; Borish, D (2015). Determinants of Primary School Non-Enrollment and Absenteeism: Results from a Retrospective, Convergent Mixed Methods, Cohort Study in Rural Western Kenya. *PLOS ONE*, 10(9), . 10.1371/journal.pone.0138362
- King, T; Cole, M; Farber, JM; Eisenbrand, G; Zabarar, D; Fox, EM; Hill, JP (2017). Food safety for food security: Relationship between global megatrends and developments in food safety. *TRENDS IN FOOD SCIENCE & TECHNOLOGY*, 68(), 160-175. 10.1016/j.tifs.2017.08.014

- Kinsley, C; Kennedy, K; Crolla, A (2012). Modelling and application of an uncovered freezing bed technology for septage treatment. *CANADIAN JOURNAL OF CIVIL ENGINEERING*, 39(10), 1136-1144. 10.1139/L2012-099
- Kipp, A; Cunsolo, A; Gillis, D; Sawatzky, A; Harper, SL (2019). The need for community-led, integrated and innovative monitoring programmes when responding to the health impacts of climate change. *INTERNATIONAL JOURNAL OF CIRCUMPOLAR HEALTH*, 78(2), . 10.1080/22423982.2018.1517581
- Klassen, SS; VanBlyderveen, W; Eccles, L; Kelly, PG; Borges, D; Goodwin, PH; Petukhova, T; Wang, Q; Guzman-Novoa, E (2021). Nosema ceranae Infections in Honey Bees (*Apis mellifera*) Treated with Pre/Probiotics and Impacts on Colonies in the Field. *VETERINARY SCIENCES*, 8(6), . 10.3390/vetsci8060107
- Klima, CL; Alexander, TW; Selinger, LB; Read, RR; Shewan, PE; Gow, SP; Booker, CW; McAllister, TA (2010). Comparison of repetitive PCR and pulsed-field gel electrophoresis for the genotyping of *Mannheimia haemolytica*. *JOURNAL OF MICROBIOLOGICAL METHODS*, 81(1), 39-47. 10.1016/j.mimet.2010.01.020
- Kludze, H; Deen, B; Weersink, A; van Acker, R; Janovicek, K; De Laporte, A (2013). Impact of land classification on potential warm season grass biomass production in Ontario, Canada. *CANADIAN JOURNAL OF PLANT SCIENCE*, 93(2), 249-260. 10.4141/CJPS2012-143
- Knetsch, CW; Kumar, N; Forster, SC; Connor, TR; Browne, HP; Harmanus, C; Sanders, IM; Harris, SR; Turner, L; Morris, T; Perry, M; Miyajima, F; Roberts, P; Pirmohamed, M; Songer, JG; Weese, JS; Indra, A; Corver, J; Rupnik, M; Wren, BW; Riley, TV; Kuijper, EJ; Lawley, TD (2018). Zoonotic Transfer of *Clostridium difficile* Harboring Antimicrobial Resistance between Farm Animals and Humans. *JOURNAL OF CLINICAL MICROBIOLOGY*, 56(3), . 10.1128/JCM.01384-17
- Koeck, A; Fuerst, C; Egger-Danner, C (2015). Farmer-observed health data around calving-Genetic parameters and association with veterinarian diagnoses in Austrian Fleckvieh cows. *JOURNAL OF DAIRY SCIENCE*, 98(4), 2753-2758. 10.3168/jds.2014-8900
- Koeck, A; Miglior, F; Jamrozik, J; Kelton, DF; Schenker, FS (2013). Genetic associations of ketosis and displaced abomasum with milk production traits in early first lactation of Canadian Holsteins. *JOURNAL OF DAIRY SCIENCE*, 96(7), 4688-4696. 10.3168/jds.2012-6408
- Kohlenberg, AJ; Turetsky, MR; Thompson, DK; Branfireun, BA; Mitchell, CPJ (2018). Controls on boreal peat combustion and resulting emissions of carbon and mercury. *ENVIRONMENTAL RESEARCH LETTERS*, 13(3), . 10.1088/1748-9326/aa9ea8

- Kong, Y; Llewellyn, D; Schiestel, K; Scroggins, MG; Lubitz, D; McDonald, MR; Van Acker, R; Martin, RC; Zheng, YB; Elford, E (2017). High Tunnels Can Promote Growth, Yield, and Fruit Quality of Organic Bitter Melons (*Momordica charantia*) in Regions with Cool and Short Growing Seasons. *HORTSCIENCE*, 52(1), 65-71. 10.21273/HORTSCI11217-16
- Kong, Y; Zheng, YB (2019). Response of growth, yield, and quality of edible-podded snow peas to supplemental LED lighting during winter greenhouse production. *CANADIAN JOURNAL OF PLANT SCIENCE*, 99(5), 676-687. 10.1139/cjps-2018-0288
- Kong, Y; Zheng, YB (2019). Variation of phenotypic responses to lighting using a combination of red and blue light-emitting diodes versus darkness in seedlings of 18 vegetable genotypes. *CANADIAN JOURNAL OF PLANT SCIENCE*, 99(2), 159-172. 10.1139/cjps-2018-0181
- Kreutzweiser, D; Dutkiewicz, D; Capell, S; Sibley, P; Scarr, T (2020). Changes in streamside riparian forest canopy and leaf litter nutrient flux to soils during an emerald ash borer infestation in an agricultural landscape. *BIOLOGICAL INVASIONS*, 22(6), 1865-1878. 10.1007/s10530-020-02223-7
- Kreutzweiser, DP; Sibley, PK; Richardson, JS; Gordon, AM (2012). Introduction and a theoretical basis for using disturbance by forest management activities to sustain aquatic ecosystems. *FRESHWATER SCIENCE*, 31(1), 224-231. 10.1899/11-114.1
- Krogh, U; Farmer, C; Huber, LA; Theil, PK; Trottier, NL (2020). Impact of arginine supplementation on serum prolactin and mRNA abundance of amino acid transporter genes in mammary tissue of lactating sows. *JOURNAL OF ANIMAL SCIENCE*, 98(11), . 10.1093/jas/skaa335
- Kropinski, AM; Lingohr, EJ; Moyles, DM; Ojha, S; Mazzocco, A; She, YM; Bach, SJ; Rozema, EA; Stanford, K; McAllister, TA; Johnson, RP (2012). Endemic bacteriophages: a cautionary tale for evaluation of bacteriophage therapy and other interventions for infection control in animals. *VIROLOGY JOURNAL*, 9(), . 10.1186/1743-422X-9-207
- Kuang, XX; Zheng, CM; Jiao, JJ; Cherry, JA; Chen, JX (2021). An empirical specific storage-depth model for the Earth's crust. *JOURNAL OF HYDROLOGY*, 592(), . 10.1016/j.jhydrol.2020.125784
- Kuhn, JA; Kristoffersen, R; Knudsen, R; Jakobsen, J; Marcogliese, DJ; Locke, SA; Primicerio, R; Amundsen, PA (2015). Parasite communities of two three-spined stickleback populations in subarctic Norway-effects of a small spatial-scale host introduction. *PARASITOLOGY RESEARCH*, 114(4), 1327-1339. 10.1007/s00436-015-4309-2

- Kulak, V; Longboat, S; Brunet, ND; Shukla, M; Saxena, P (2022). In Vitro Technology in Plant Conservation: Relevance to Biocultural Diversity. *PLANTS-BASEL*, 11(4), . 10.3390/plants11040503
- Kulasekera, PB; Parkin, GW (2011). Influence of the shape of inter-horizon boundary and size of soil tongues on preferential flow under shallow groundwater conditions: A simulation study. *CANADIAN JOURNAL OF SOIL SCIENCE*, 91(2), 211-221. 10.4141/CJSS10079
- Kulasekera, PB; Parkin, GW; von Bertoldi, P (2011). Using Soil Water Content Sensors to Characterize Tillage Effects on Preferential Flow. *VADOSE ZONE JOURNAL*, 10(2), 683-696. 10.2136/vzj2010.0063
- Kulkarni, MA; Garrod, G; Berrang-Ford, L; Ssewanyana, I; Harper, SL; Baraheberwa, N; Donnelly, B; Patterson, K; Namanya, DB; Lwasa, S; Drakeley, C (2017). Examination of Antibody Responses as a Measure of Exposure to Malaria in the Indigenous Batwa and Their Non-Indigenous Neighbors in Southwestern Uganda. *AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE*, 96(2), 330-334. 10.4269/ajtmh.16-0559
- Kumar, SK; El Kayal, W; Sullivan, JA; Paliyath, G; Jayasankar, S (2018). Pre-harvest application of hexanal formulation enhances shelf life and quality of 'Fantasia' nectarines by regulating membrane and cell wall catabolism-associated genes. *SCIENTIA HORTICULTURAE*, 229(), 117-124. 10.1016/j.scienta.2017.10.031
- Kung, B; Turgeon, SL; Rioux, LE; Anderson, GH; Wright, AJ; Goff, HD (2019). Correlating in vitro digestion viscosities and bioaccessible nutrients of milks containing enhanced protein concentration and normal or modified protein ratio to human trials. *FOOD & FUNCTION*, 10(12), 7687-7696. 10.1039/c9fo01994d
- Kurucz, EC; Colbert, BA; Marcus, J (2014). Sustainability as a provocation to rethink management education: Building a progressive educative practice. *MANAGEMENT LEARNING*, 45(4), 437-457. 10.1177/1350507613486421
- Kutcher, HR; Warland, JS; Brandt, SA (2010). Temperature and precipitation effects on canola yields in Saskatchewan, Canada. *AGRICULTURAL AND FOREST METEOROLOGY*, 150(2), 161-165. 10.1016/j.agrformet.2009.09.011
- Kwong, GPS; Poljak, Z; Deardon, R; Dewey, CE (2013). Bayesian analysis of risk factors for infection with a genotype of porcine reproductive and respiratory syndrome virus in Ontario swine herds using monitoring data. *PREVENTIVE VETERINARY MEDICINE*, 110(3-4), 405-417. 10.1016/j.prevetmed.2013.01.004
- Kyle, B; Lee, K; Pernal, SF (2021). Epidemiology and Biosecurity for Veterinarians Working with Honey bees (*Apis mellifera*). *VETERINARY CLINICS OF NORTH AMERICA-FOOD ANIMAL PRACTICE*, 37(3), 479-490. 10.1016/j.cvfa.2021.06.004

- Kyriakis, CS; Olsen, CW; Carman, S; Brown, IH; Brookes, SM; Van Doorselaere, J; Van Reeth, K (2010). Serologic Cross-Reactivity with Pandemic (H1N1) 2009 Virus in Pigs, Europe. *EMERGING INFECTIOUS DISEASES*, 16(1), 96-99.  
10.3201/eid1601.091190
- Laamrani, A; Voroney, PR; Gillespie, AW; Chehbouni, A (2021). Development of a Land Use Carbon Inventory for Agricultural Soils in the Canadian Province of Ontario. *LAND*, 10(7), . 10.3390/land10070765
- Lachance, S; Grange, G (2014). Repellent effectiveness of seven plant essential oils, sunflower oil and natural insecticides against horn flies on pastured dairy cows and heifers. *MEDICAL AND VETERINARY ENTOMOLOGY*, 28(2), 193-200.  
10.1111/mve.12044
- Lackeyram, D; Mine, Y; Archbold, T; Fan, MZ (2012). The small intestinal apical hydrolase activities are decreased in the piglet with bowel inflammation induced by dextran sodium sulfate. *JOURNAL OF ANIMAL SCIENCE*, 90(), 287-289.  
10.2527/jas.54010
- Lackeyram, D; Mine, Y; Widowski, T; Archbold, T; Fan, MZ (2012). The in vivo infusion of hydrogen peroxide induces oxidative stress and differentially affects the activities of small intestinal carbohydrate digestive enzymes in the neonatal pig. *JOURNAL OF ANIMAL SCIENCE*, 90(), 418-420. 10.2527/jas.54011
- Lackeyram, D; Yang, CB; Archbold, T; Swanson, KC; Fan, MZ (2010). Early Weaning Reduces Small Intestinal Alkaline Phosphatase Expression in Pigs. *JOURNAL OF NUTRITION*, 140(3), 461-468. 10.3945/jn.109.117267
- Ladd, B; Laffan, SW; Amelung, W; Peri, PL; Silva, LCR; Gervassi, P; Bonser, SP; Navall, M; Sheil, D (2013). Estimates of soil carbon concentration in tropical and temperate forest and woodland from available GIS data on three continents. *GLOBAL ECOLOGY AND BIOGEOGRAPHY*, 22(4), 461-469. 10.1111/j.1466-8238.2012.00799.x
- Laforest, BJ; Winegardner, AK; Zaheer, OA; Jeffery, NW; Boyle, EE; Adamowicz, SJ (2013). Insights into biodiversity sampling strategies for freshwater microinvertebrate faunas through bioblitz campaigns and DNA barcoding. *BMC ECOLOGY*, 13(), . 10.1186/1472-6785-13-13
- Lago, A; Godden, SM; Bey, R; Ruegg, PL; Leslie, K (2011). The selective treatment of clinical mastitis based on on-farm culture results: II. Effects on lactation performance, including clinical mastitis recurrence, somatic cell count, milk production, and cow survival. *JOURNAL OF DAIRY SCIENCE*, 94(9), 4457-4467.  
10.3168/jds.2010-4047
- Lago, A; Godden, SM; Bey, R; Ruegg, PL; Leslie, K (2011). The selective treatment of clinical mastitis based on on-farm culture results: I. Effects on antibiotic use, milk



- withholding time, and short-term clinical and bacteriological outcomes. *JOURNAL OF DAIRY SCIENCE*, 94(9), 4441-4456. 10.3168/jds.2010-4046
- Lahlali, R; Peng, G; McGregor, L; Gossen, BD; Hwang, SF; McDonald, M (2011). Mechanisms of the biofungicide Serenade (*Bacillus subtilis* QST713) in suppressing clubroot. *BIOCONTROL SCIENCE AND TECHNOLOGY*, 21(11), 1351-1362. 10.1080/09583157.2011.618263
- Lai, XZ; Pan, CZ; Wu, M; Yang, SX (2012). Unified control of n-link underactuated manipulator with single passive joint: A reduced order approach. *MECHANISM AND MACHINE THEORY*, 56(), 170-185. 10.1016/j.mechmachtheory.2012.05.011
- Lam, S; Munro, JC; Zhou, M; Guan, LL; Schenkel, FS; Steele, MA; Miller, SP; Montanholi, YR (2018). Associations of rumen parameters with feed efficiency and sampling routine in beef cattle. *ANIMAL*, 12(7), 1442-1450. 10.1017/S1751731117002750
- Lam, S; Pham, G; Nguyen-Viet, H (2017). Emerging health risks from agricultural intensification in Southeast Asia: a systematic review. *INTERNATIONAL JOURNAL OF OCCUPATIONAL AND ENVIRONMENTAL HEALTH*, 23(3), 250-260. 10.1080/10773525.2018.1450923
- Lam, S; Thompson, M; Johnson, K; Fioret, C; Hargreaves, SK (2021). Toward community food security through transdisciplinary action research. *ACTION RESEARCH*, 19(4), 656-673. 10.1177/1476750319889390
- Lam, S; Uttaro, B; Bohrer, BM; Duarte, M; Juarez, M (2022). Can In-Line Iodine Value Predictions (NitFom(TM)) Be Used for Early Classification of Pork Belly Firmness?. *FOODS*, 11(2), . 10.3390/foods11020148
- Lam, S; Zeidan, J; Miglior, F; Suarez-Vega, A; Gomez-Redondo, I; Fonseca, PAS; Guan, LL; Waters, S; Canovas, A (2020). Development and comparison of RNA-sequencing pipelines for more accurate SNP identification: practical example of functional SNP detection associated with feed efficiency in Nellore beef cattle. *BMC GENOMICS*, 21(1), . 10.1186/s12864-020-07107-7
- Lam, WV; Macrae, ML; English, MC; O'Halloran, IP; Wang, YT (2016). Effects of tillage practices on phosphorus transport in tile drain effluent under sandy loam agricultural soils in Ontario, Canada. *JOURNAL OF GREAT LAKES RESEARCH*, 42(6), 1260-1270. 10.1016/j.jglr.2015.12.015
- Lambert, AM; Baer, SG; Gibson, DJ (2011). Intraspecific Variation in Ecophysiology of Three Dominant Prairie Grasses Used in Restoration: Cultivar Versus Non-Cultivar Population Sources. *RESTORATION ECOLOGY*, 19(), 43-52. 10.1111/j.1526-100X.2010.00673.x

- Landry, E; Janovicek, K; Lee, EA; Deen, W (2019). Winter Cereal Cover Crops for Spring Forage in Temperate Climates. *AGRONOMY JOURNAL*, 111(1), 217-223. 10.2134/agronj2018.03.0214
- Landry, EJ; Wolyn, DJ (2012). A method to assess cold acclimation and freezing tolerance in asparagus seedlings. *CANADIAN JOURNAL OF PLANT SCIENCE*, 92(2), 271-277. 10.4141/CJPS2011-158
- Langridge, M; Gharabaghi, B; McBean, E; Bonakdari, H; Walton, R (2020). Understanding the dynamic nature of Time-to-Peak in UK streams. *JOURNAL OF HYDROLOGY*, 583(), . 10.1016/j.jhydrol.2020.124630
- Langridge, M; McBean, E; Bonakdari, H; Gharabaghi, B (2021). A dynamic prediction model for time-to-peak. *HYDROLOGICAL PROCESSES*, 35(1), . 10.1002/hyp.14032
- Lanoue, J; Leonardos, ED; Grodzinski, B (2018). Effects of Light Quality and Intensity on Diurnal Patterns and Rates of Photo-Assimilate Translocation and Transpiration in Tomato Leaves. *FRONTIERS IN PLANT SCIENCE*, 9(), . 10.3389/fpls.2018.00756
- Lanoue, J; Leonardos, ED; Khosla, S; Hao, XM; Grodzinski, B (2018). Effect of elevated CO<sub>2</sub> and spectral quality on whole plant gas exchange patterns in tomatoes. *PLOS ONE*, 13(10), . 10.1371/journal.pone.0205861
- Lapointe, NWR; Cooke, SJ; Imhof, JG; Boisclair, D; Casselman, JM; Curry, RA; Langer, OE; McLaughlin, RL; Minns, CK; Post, JR; Power, M; Rasmussen, JB; Reynolds, JD; Richardson, JS; Tonn, WM (2014). Principles for ensuring healthy and productive freshwater ecosystems that support sustainable fisheries. *ENVIRONMENTAL REVIEWS*, 22(2), 110-134. 10.1139/er-2013-0038
- Lara, RP; Berg, AA; Warland, J; Tetlock, E (2020). In Situ Estimates of Freezing/Melting Point Depression in Agricultural Soils Using Permittivity and Temperature Measurements. *WATER RESOURCES RESEARCH*, 56(5), . 10.1029/2019WR026020
- Larocque, GR; Bhatti, JS; Ascough, JC; Liu, J; Luckai, N; Mailly, D; Archambault, L; Gordon, AM (2011). An analytical framework to assist decision makers in the use of forest ecosystem model predictions. *ENVIRONMENTAL MODELLING & SOFTWARE*, 26(3), 280-288. 10.1016/j.envsoft.2010.03.009
- Laughlin, AJ; Taylor, CM; Bradley, DW; LeClair, D; Clark, RG; Dawson, RD; Dunn, PO; Horn, A; Leonard, M; Sheldon, DR; Shutler, D; Whittingham, LA; Winkler, DW; Norris, DR (2013). INTEGRATING INFORMATION FROM GEOLOCATORS, WEATHER RADAR, AND CITIZEN SCIENCE TO UNCOVER A KEY STOPOVER AREA OF AN AERIAL INSECTIVORE. *AUK*, 130(2), 230-239. 10.1525/auk.2013.12229

- Lawal, OU; Adekanmbi, AO; Adelowo, OO (2021). Occurrence of methicillin-resistant staphylococci in the pig-production chain in Ibadan, Nigeria. *ONDERSTEEPOORT JOURNAL OF VETERINARY RESEARCH*, 88(1), . 10.4102/ojvr.v88i1.1959
- Layton, KKS; Martel, AL; Hebert, PDN (2014). Patterns of DNA Barcode Variation in Canadian Marine Molluscs. *PLOS ONE*, 9(4), . 10.1371/journal.pone.0095003
- Le Riche, EL; VanderZaag, AC; Wood, JD; Wagner-Riddle, C; Dunfield, K; McCabe, J; Gordon, R (2020). Does overwintering change the inoculum effect on methane emissions from stored liquid manure?. *JOURNAL OF ENVIRONMENTAL QUALITY*, 49(2), 247-255. 10.1002/jeq2.20003
- Le, S; Bazger, W; Hill, AR; Wilcock, A (2014). Awareness and perceptions of food safety of artisan cheese makers in Southwestern Ontario: A qualitative study. *FOOD CONTROL*, 41(), 158-167. 10.1016/j.foodcont.2014.01.007
- Leblanc, D; Houde, A; Gagne, MJ; Plante, D; Bellon-Gagnon, P; Jones, TH; Muehlhauser, V; Wilhelm, B; Avery, B; Janecko, N; Brassard, J (2014). Presence, viral load and characterization of Torque teno sus viruses in liver and pork chop samples at retail. *INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY*, 178(), 60-64. 10.1016/j.ijfoodmicro.2014.03.005
- LeBlanc, S (2014). Intensive dairy farms becoming greener. *NATURE*, 513(7519), 487-487. 10.1038/513487b
- Ledderhof, D; Brown, R; Reynolds, A; Jollineau, M (2016). Using remote sensing to understand Pinot noir vineyard variability in Ontario. *CANADIAN JOURNAL OF PLANT SCIENCE*, 96(1), 89-108. 10.1139/cjps-2015-0120
- Lee, AV; You, L; Oh, SY; Li, Z; Fisher-Heffernan, RE; Regnault, TRH; de Lange, CFM; Huber, L; Karrow, NA (2019). Microalgae supplementation to late gestation sows and its effects on the health status of weaned piglets fed diets containing high- or low-quality protein sources. *VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY*, 218(), . 10.1016/j.vetimm.2019.109937
- Lee, AV; You, L; Oh, SY; Li, ZW; Code, A; Zhu, CL; Fisher-Heffernan, RE; Regnault, TRH; De Lange, CFM; Huber, LA; Karrow, NA (2019). Health Benefits of Supplementing Nursery Pig Diets with Microalgae or Fish Oil. *ANIMALS*, 9(3), . 10.3390/ani9030080
- Lee, DY; Lee, H; Trevors, JT; Weir, SC; Thomas, JL; Habash, M (2014). Characterization of sources and loadings of fecal pollutants using microbial source tracking assays in urban and rural areas of the Grand River Watershed, Southwestern Ontario. *WATER RESEARCH*, 53(), 123-131. 10.1016/j.watres.2014.01.003
- Lee, EA; Deen, W; Hooyer, ME; Chambers, A; Parkin, G; Gordon, R; Singh, AK (2016). Involvement of Year-to-Year Variation in Thermal Time, Solar Radiation and Soil

Available Moisture in Genotype-by-Environment Effects in Maize. *CROP SCIENCE*, 56(5), 2180-2192. 10.2135/cropsci2015.04.0231

Lee, J; Hosseindoust, A; Kim, M; Kim, K; Kim, T; Moturi, J; Chae, B (2021). Effects of hot-melt extruded nanocopper on the Cu bioavailability and growth of broiler chickens. *JOURNAL OF ANIMAL SCIENCE AND TECHNOLOGY*, 63(2), 295-304. 10.5187/jast.2021.e24

Lee, YN; Chau, N; Just, DR (2019). Producer group participation in the trade adjustment assistance program for farmers before and after the American Recovery and Reinvestment Act of 2009. *FOOD POLICY*, 86(), . 10.1016/j.foodpol.2019.05.007

Leger, DF; Newby, NC; Reid-Smith, R; Anderson, N; Pearl, DL; Lissemore, KD; Kelton, DF (2017). Estimated antimicrobial dispensing frequency and preferences for lactating cow therapy by Ontario dairy veterinarians. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 58(1), 26-34.

Leger, DF; Newby, NC; Reid-Smith, R; Anderson, N; Pearl, DL; Lissemore, KD; Kelton, DF (2015). Antimicrobial dispensing by Ontario dairy veterinarians. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 56(7), 723-729.

Leithead, M; Anand, M (2013). Latitude, elevation, richness and hotspots of change across the Americas: a test of Orloci's plant compositional transition hypotheses throughout the Holocene. *COMMUNITY ECOLOGY*, 14(2), 231-242. 10.1556/ComEc.14.2013.2.13

Lemay, MA; Radcliffe, J; Bysouth, D; Spring, A (2021). Northern Food Systems in Transition: The Role of the Emerging Agri-Food Industry in the Northwest Territories (Canada) Food System. *FRONTIERS IN SUSTAINABLE FOOD SYSTEMS*, 5(), . 10.3389/fsufs.2021.661538

Leung, H; Arrazola, A; Torrey, S; Kiarie, E (2018). Utilization of soy hulls, oat hulls, and flax meal fiber in adult broiler breeder hens. *POULTRY SCIENCE*, 97(4), 1368-1372. 10.3382/ps/pex434

Leung, H; Kiarie, EG (2020). Standardized ileal digestibility of amino acids and apparent metabolizable energy in corn and soybean meal for organic broiler chicken production in Ontario. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 100(3), 447-454. 10.1139/cjas-2019-0166

Leung, H; Yitbarek, A; Snyder, R; Patterson, R; Barta, JR; Karrow, N; Kiarie, E (2019). Responses of broiler chickens to *Eimeria* challenge when fed a nucleotide-rich yeast extract. *POULTRY SCIENCE*, 98(4), 1622-1633. 10.3382/ps/pey533

Levay, AV; Chapman, GE; Seed, B; Wittman, H (2019). District-level implementation of British Columbia's school food and beverage sales policy: a realist evaluation exploring intervention mechanisms in urban and rural contexts. *CANADIAN*

*JOURNAL OF PUBLIC HEALTH-REVUE CANADIENNE DE SANTE PUBLIQUE*,  
110(1), 21-30. 10.17269/s41997-018-0159-x

- Levesque, CL; Skinner, L; Zhu, J; de Lange, CFM (2012). Dynamic changes in digestive capability may contribute to compensatory growth following a nutritional insult in newly weaned pigs. *JOURNAL OF ANIMAL SCIENCE*, 90(), 236-238. 10.2527/jas.53981
- Levesque, CL; Yu, H; Gong, J; de Lange, CFM (2012). Ileal mucosa-associated-but not ileal digesta-bacterial profiles in grower pigs are influenced by nutrition and use of antibiotics for weaner pigs. *JOURNAL OF ANIMAL SCIENCE*, 90(), 448-450. 10.2527/jas.54004
- Levison, LJ; Miller-Cushon, EK; Tucker, AL; Bergeron, R; Leslie, KE; Barkema, HW; DeVries, TJ (2016). Incidence rate of pathogen-specific clinical mastitis on conventional and organic Canadian dairy farms. *JOURNAL OF DAIRY SCIENCE*, 99(2), 1341-1350. 10.3168/jds.2015-9809
- Levkoe, CZ; Hammelman, C; Craven, L; Dandy, G; Farbman, J; Harrison, J; Mount, P (2018). Building sustainable food systems through food hubs: Practitioner and academic perspectives. *JOURNAL OF AGRICULTURE FOOD SYSTEMS AND COMMUNITY DEVELOPMENT*, 8(2), 107-122. 10.5304/jafscd.2018.082.008
- Levy, M; Dewey, C; Weersink, A; Mutua, F; Carter, N; Poljak, Z (2014). Evaluating critical factors to the economic feasibility of semi-intensive pig rearing in western Kenya. *TROPICAL ANIMAL HEALTH AND PRODUCTION*, 46(5), 797-808. 10.1007/s11250-014-0568-7
- Li, DL; Yang, SX (2012). 3S AND PRECISION FARMING FOR AGRICULTURE. *INTELLIGENT AUTOMATION AND SOFT COMPUTING*, 18(8), 993-995. 10.1080/10798587.2008.10643304
- Li, DL; Yang, SX (2012). INTELLIGENT AUTOMATION AND CONTROL SYSTEMS FOR AGRICULTURE. *INTELLIGENT AUTOMATION AND SOFT COMPUTING*, 18(5), 439-441. 10.1080/10798587.2012.10643253
- Li, HY; Deng, ZY; Liu, RH; Zhu, HH; Draves, J; Marcone, M; Sun, Y; Tsao, R (2015). Characterization of phenolics, betacyanins and antioxidant activities of the seed, leaf, sprout, flower and stalk extracts of three *Amaranthus* species. *JOURNAL OF FOOD COMPOSITION AND ANALYSIS*, 37(), 75-81. 10.1016/j.jfca.2014.09.003
- Li, N; Vyn, RJ; McEwan, K (2016). To Invest or Sell? The Impacts of Ontario's Greenbelt on Farm Exit and Investment Decisions. *APPLIED ECONOMIC PERSPECTIVES AND POLICY*, 38(3), 389-412. 10.1093/aep/ppw017
- Li, QL; Ning, P; Zheng, L; Huang, JB; Li, GQ; Hsiang, T (2012). Effects of volatile substances of *Streptomyces globisporus* JK-1 on control of *Botrytis cinerea* on

- tomato fruit. *BIOLOGICAL CONTROL*, 61(2), 113-120.  
10.1016/j.biocontrol.2011.10.014
- Li, TZ; Fooks, JR; Messer, KD; Ferraro, PJ (2021). A field experiment to estimate the effects of anchoring and framing on residents' willingness to purchase water runoff management technologies. *RESOURCE AND ENERGY ECONOMICS*, 63(), .  
10.1016/j.reseneeco.2019.07.001
- Li, TZ; Messer, KD; Mamadzhanov, A; McCluskey, JJ (2020). Preferences for local food: Tourists versus local residents. *CANADIAN JOURNAL OF AGRICULTURAL ECONOMICS-REVUE CANADIENNE D AGROECONOMIE*, 68(4), 429-444.  
10.1111/cjag.12261
- Li, YY; Feng, J; Liu, HL; Wang, L; Hsiang, T; Li, XH; Huang, JB (2016). Genetic Diversity and Pathogenicity of *Ralstonia solanacearum* Causing Tobacco Bacterial Wilt in China. *PLANT DISEASE*, 100(7), 1288-1296. 10.1094/PDIS-04-15-0384-RE
- Li, ZL; Reimer, C; Picard, M; Mohanty, AK; Misra, M (2020). Characterization of Chicken Feather Biocarbon for Use in Sustainable Biocomposites. *FRONTIERS IN MATERIALS*, 7(), . 10.3389/fmats.2020.00003
- Lijtmaer, DA; Kerr, KCR; Barreira, AS; Hebert, PDN; Tubaro, PL (2011). DNA Barcode Libraries Provide Insight into Continental Patterns of Avian Diversification. *PLOS ONE*, 6(7), . 10.1371/journal.pone.0020744
- Lilavanichakul, A; Boecker, A (2013). Consumer Acceptance of a New Traceability Technology: A Discrete Choice Application to Ontario Ginseng. *INTERNATIONAL FOOD AND AGRIBUSINESS MANAGEMENT REVIEW*, 16(4), 25-49.
- Lima, FS; Stamford, NP; Sousa, CS; Lira, MA; Malheiros, SMM; van Straaten, P (2010). Earthworm compound and rock biofertilizer enriched in nitrogen by inoculation with free living diazotrophic bacteria. *WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY*, 26(10), 1769-1775. 10.1007/s11274-010-0357-z
- Limay-Rios, V; Schaafsma, AW (2021). Relationship between Mycotoxin Content in Winter Wheat Grain and Aspirated Dust Collected during Harvest and after Storage. *ACS OMEGA*, 6(3), 1857-1871. 10.1021/acsomega.0c04256
- Lin, XJ; Wang, Q; Li, WL; Wright, AJ (2014). Emulsification of algal oil with soy lecithin improved DHA bioaccessibility but did not change overall in vitro digestibility. *FOOD & FUNCTION*, 5(11), 2913-2921. 10.1039/c4fo00577e
- Lindsay, JB; Francioni, A; Cockburn, JMH (2019). LiDAR DEM Smoothing and the Preservation of Drainage Features. *REMOTE SENSING*, 11(16), .  
10.3390/rs11161926

- Linton, E; Keller, H; Duizer, L (2018). Ingredients for Success: Strategies to Support Local Food Use in Health Care Institutions. *CANADIAN JOURNAL OF DIETETIC PRACTICE AND RESEARCH*, 79(3), 113-117. 10.3148/cjdpr-2018-008
- Linton, NF; Machado, PVF; Deen, B; Wagner-Riddle, C; Dunfield, KE (2020). Long-term diverse rotation alters nitrogen cycling bacterial groups and nitrous oxide emissions after nitrogen fertilization. *SOIL BIOLOGY & BIOCHEMISTRY*, 149(), . 10.1016/j.soilbio.2020.107917
- Little, M; Humphries, S; Dodd, W; Patel, K; Dewey, C (2020). Socio-demographic patterning of the individual-level double burden of malnutrition in a rural population in South India: a cross-sectional study. *BMC PUBLIC HEALTH*, 20(1), . 10.1186/s12889-020-08679-5
- Little, M; Humphries, S; Patel, K; Dewey, C (2017). Decoding the Type 2 Diabetes Epidemic in Rural India. *MEDICAL ANTHROPOLOGY*, 36(2), 96-110. 10.1080/01459740.2016.1231676
- Little, M; Humphries, S; Patel, K; Dodd, W; Dewey, C (2016). Factors associated with glucose tolerance, pre-diabetes, and type 2 diabetes in a rural community of south India: a cross-sectional study. *DIABETOLOGY & METABOLIC SYNDROME*, 8(), . 10.1186/s13098-016-0135-7
- Little, M; Zivot, C; Humphries, S; Dodd, W; Patel, K; Dewey, C (2018). Burden and Determinants of Anemia in a Rural Population in South India: A Cross-Sectional Study. *ANEMIA*, 2018(), . 10.1155/2018/7123976
- Litvak, N; Rakhshandeh, A; Htoo, JK; de Lange, CFM (2013). Immune system stimulation increases the optimal dietary methionine to methionine plus cysteine ratio in growing pigs. *JOURNAL OF ANIMAL SCIENCE*, 91(9), 4188-4196. 10.2527/jas.2012-6160
- Liu, B; Asseng, S; Muller, C; Ewert, F; Elliott, J; Lobell, DB; Martre, P; Ruane, AC; Wallach, D; Jones, J; Rosenzweig, C; Aggarwal, PK; Alderman, PD; Anothai, J; Basso, B; Biernath, C; Cammarano, D; Challinor, A; Deryng, D; De Sanctis, G; Doltra, J; Fereres, E; Folberth, C; Garcia-Vila, M; Gayler, S; Hoogenboom, G; Hunt, LA; Izaurralde, RC; Jabloun, M; Jones, CD; Kersebaum, KC; Kimball, BA; Koehler, AK; Kumar, SN; Nendel, C; O'Leary, GJ; Olesen, JE; Ottman, MJ; Palosuo, T; Prasad, PVV; Priesack, E; Pugh, TAM; Reynolds, M; Rezaei, EE; Rotter, RP; Schmid, E; Semenov, MA; Shcherbak, I; Stehfest, E; Stockle, CO; Stratonovitch, P; Streck, T; Supit, I; Tao, F; Thorburn, P; Waha, K; Wall, GW; Wang, E; White, JW; Wolf, J; Zhao, Z; Zhu, Y (2016). Similar estimates of temperature impacts on global wheat yield by three independent methods. *NATURE CLIMATE CHANGE*, 6(12), 1130-+. 10.1038/NCLIMATE3115
- Liu, B; Stevens-Green, R; Johal, D; Buchanan, R; Geddes-McAlister, J (2022). Fungal pathogens of cereal crops: Proteomic insights into fungal pathogenesis, host

- defense, and resistance. *JOURNAL OF PLANT PHYSIOLOGY*, 269(), .  
10.1016/j.jplph.2021.153593
- Liu, BF; Yin, XH; Yu, H; Feng, YN; Ying, X; Gong, JS; Gyles, CL (2015). Alteration of the Microbiota and Virulence Gene Expression in E-coli O157:H7 in Pig Ligated Intestine with and without AE Lesions. *PLOS ONE*, 10(6), .  
10.1371/journal.pone.0130272
- Liu, CD; Jiao, Y; Reid, KB; Tang, YL; Ma, SY (2018). Habitat supply for Yellow Perch (Actinopterygii, Percidae) varies with space, time, and life stage in Lake Erie. *HYDROBIOLOGIA*, 808(1), 371-386. 10.1007/s10750-017-3440-8
- Liu, JT; Balmori-Cedeno, J; Misk, E; Lumsden, JS (2020). Pharmacological and nutritional modulation of autophagy in a rainbow trout (*Oncorhynchus mykiss*) gill cell line, RTgill-W1. *IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-ANIMAL*, 56(8), 659-669. 10.1007/s11626-020-00490-1
- Liu, JT; Pham, PH; Wootton, SK; Bols, NC; Lumsden, JS (2020). VHSV IVb infection and autophagy modulation in the rainbow trout gill epithelial cell line RTgill-W1. *JOURNAL OF FISH DISEASES*, 43(10), 1237-1247. 10.1111/jfd.13227
- Liu, P; Song, CL; Li, JM; Yang, SM; Chen, XY; Liu, CF; Fu, Q (2020). DETECTION OF TRANSMISSION LINE AGAINST EXTERNAL FORCE DAMAGE BASED ON IMPROVED YOLOv3. *INTERNATIONAL JOURNAL OF ROBOTICS & AUTOMATION*, 35(6), 460-468. 10.2316/J.2020.206-0479
- Liu, XJ; Sha, ZY; Wang, CF; Li, DP; Bureau, DP (2018). A web-based combined nutritional model to precisely predict growth, feed requirement and waste output of gibel carp (*Carassius auratus gibelio*) in aquaculture operations. *AQUACULTURE*, 492(), 335-348. 10.1016/j.aquaculture.2018.04.019
- Liu, Y; Ker, AP (2020). When Less Is More: On the Use of Historical Yield Data with Application to Rating Area Crop Insurance Contracts. *JOURNAL OF AGRICULTURAL AND APPLIED ECONOMICS*, 52(2), 194-203.  
10.1017/aae.2019.40
- Liu, YB; Yang, WH; Yu, ZQ; Lung, I; Yarotski, J; Elliott, J; Tiessen, K (2014). Assessing Effects of Small Dams on Stream Flow and Water Quality in an Agricultural Watershed. *JOURNAL OF HYDROLOGIC ENGINEERING*, 19(10), .  
10.1061/(ASCE)HE.1943-5584.0001005
- Liu, ZZ; Torrey, S; Newberry, RC; Widowski, T (2020). Play behaviour reduced by environmental enrichment in fast-growing broiler chickens. *APPLIED ANIMAL BEHAVIOUR SCIENCE*, 232(), . 10.1016/j.applanim.2020.105098
- Loeza-Quintana, T; Adamowicz, SJ (2015). An Arctic molecular clock? Genetic divergence in echinoderms across the Bering Strait. *GENOME*, 58(5), 248-249.



- Lombardi, D; Vasseur, E; Berthiaume, R; De Vries, TJ; Bergeron, R (2015). Feeding preferences and voluntary feed intake of dairy cows: Effect of conservation and harvest time of birdsfoot trefoil and chicory. *JOURNAL OF DAIRY SCIENCE*, 98(10), 7238-7247. 10.3168/jds.2015-9427
- Lopez, AJ; Steele, MA; Nagorske, M; Sargent, R; Renaud, DL (2021). Accuracy of refractometry as an indirect method to measure failed transfer of passive immunity in dairy calves fed colostrum replacer and maternal colostrum. *JOURNAL OF DAIRY SCIENCE*, 104(2), 2032-2039. 10.3168/jds.2020-18947
- Loring, PA; Moola, F (2021). Erasure of Indigenous Peoples risks perpetuating conservation's colonial harms and undermining its future effectiveness. *CONSERVATION LETTERS*, 14(2), . 10.1111/conl.12782
- Loucks, CES; Deen, W; Gaudin, ACM; Earl, HJ; Bowley, SR; Martin, RC (2018). Genotypic differences in red clover (*Trifolium pratense* L.) response under severe water deficit. *PLANT AND SOIL*, 425(1-2), 401-414. 10.1007/s11104-018-3594-9
- Loureiro, AMMC; Nams, VO; White, SN; Cutler, GC (2020). Short-Term Dispersal and Long-Term Spatial and Temporal Patterns of Carabidae (Coleoptera) in Lowbush Blueberry Fields. *ENVIRONMENTAL ENTOMOLOGY*, 49(3), 572-579. 10.1093/ee/nvaa047
- Lozier, TM; Macrae, ML; Brunke, R; Van Eerd, LL (2017). Release of phosphorus from crop residue and cover crops over the non-growing season in a cool temperate region. *AGRICULTURAL WATER MANAGEMENT*, 189(), 39-51. 10.1016/j.agwat.2017.04.015
- Lu, D; Sargolzaei, M; Li, CX; Abo-Ismael, M; Vander Voort, G; Wang, ZQ; Plastow, G; Moore, S; Miller, SP (2013). Association analysis for feed efficiency traits in beef cattle using preserved haplotypes. *GENOME*, 56(10), 586-591. 10.1139/gen-2013-0072
- Lu, ZH; Seetharaman, K (2014). Suitability of Ontario-Grown Hard and Soft Wheat Flour Blends for Noodle Making. *CEREAL CHEMISTRY*, 91(5), 482-488. 10.1094/CCHEM-10-13-0218-R
- Lu, ZH; Yada, RY; Liu, QA; Bizimungu, B; Murphy, A; De Koeyer, D; Li, XQ; Pinhero, RG (2011). Correlation of physicochemical and nutritional properties of dry matter and starch in potatoes grown in different locations. *FOOD CHEMISTRY*, 126(3), 1246-1253. 10.1016/j.foodchem.2010.12.037
- Luby, B; Hay, S (2019). Coming Home to Indigenous Place Names in Canada.. *CANADIAN HISTORICAL REVIEW*, 100(1), 101-103. 10.3138/chr.100.1.br02
- Luby, B; Mehlretter, S; Flewelling, R; Lehman, M; Goldhar, G; Patrick, E; Mariotti, J; Bradford, A; Nation, NA (2021). Beyond Institutional Ethics: Anishinaabe

Worldviews and the Development of a Culturally Sensitive Field Protocol for Aquatic Plant Research. *WATER*, 13(5), . 10.3390/w13050709

Lupien, P; Chiriboga, G (2019). Use of information and communications technologies by Indigenous civil society organizations in Ecuador. *INFORMATION COMMUNICATION & SOCIETY*, 22(8), 1029-1043.

10.1080/1369118X.2017.1397182

Lutes, K; Oelbermann, M; Thevathasan, NV; Gordon, AM (2016). Effect of nitrogen fertilizer on greenhouse gas emissions in two willow clones (*Salix miyabeana* and *S-dasyclados*) in southern Ontario, Canada. *AGROFORESTRY SYSTEMS*, 90(5), 785-796. 10.1007/s10457-016-9897-z

Lutes, K; Oelbermann, M; Thevathasan, NV; Gordon, AM (2019). Assessing the impact of fertilizer application on net soil-derived emission budgets from a temperate willow (*Salix miyabeana*) short rotation coppice system. *BIOMASS & BIOENERGY*, 120(), 135-143. 10.1016/j.biombioe.2018.11.010

Ma, BL; Zheng, ZM; de Silva, N; Whalen, JK; Pageau, D; Vanasse, A; Caldwell, C; Earl, H; Smith, DL (2020). Graphical analysis of nitrogen and sulfur supply on yield and related traits of canola in eastern Canada. *NUTRIENT CYCLING IN AGROECOSYSTEMS*, 118(3), 293-309. 10.1007/s10705-020-10097-3

Macciotta, NPP; Miglior, F; Dimauro, C; Schaeffer, LR (2010). Comparison of parametric, orthogonal, and spline functions to model individual lactation curves for milk yield in Canadian Holsteins. *ITALIAN JOURNAL OF ANIMAL SCIENCE*, 9(4), 460-464. 10.4081/ijas.2010.e87

MacDonald, AM; Jardine, CM; Rejman, E; Barta, JR; Bowman, J; Cai, HY; Susta, L; Nemeth, NM (2019). HIGH PREVALENCE OF MYCOPLASMA AND EIMERIA SPECIES IN FREE-RANGING EASTERN WILD TURKEYS (*MELEAGRIS GALLOPAVO SILVESTRIS*) IN ONTARIO, CANADA. *JOURNAL OF WILDLIFE DISEASES*, 55(1), 54-63. 10.7589/2017-11-273

MacDonald, DB (2016). Do We Need Kiwi Lessons in Biculturalism? Considering the Usefulness of Aotearoa/New Zealand's Pakeha Identity in Re-Articulating Indigenous Settler Relations in Canada. *CANADIAN JOURNAL OF POLITICAL SCIENCE-REVUE CANADIENNE DE SCIENCE POLITIQUE*, 49(4), 643-664. 10.1017/S0008423916000950

MacDonald, DB (2021). Settler silencing and the killing of Colten Boushie: naturalizing colonialism in the trial of Gerald Stanley. *SETTLER COLONIAL STUDIES*, 11(1), 1-20. 10.1080/2201473X.2020.1841505

MacDonald, JP; Harper, SL; Willox, AC; Edge, VL; Government, RIC (2013). A necessary voice: Climate change and lived experiences of youth in Rigolet,

- Nunatsiavut, Canada. *GLOBAL ENVIRONMENTAL CHANGE-HUMAN AND POLICY DIMENSIONS*, 23(1), 360-371. 10.1016/j.gloenvcha.2012.07.010
- MacDonald, JP; Willox, AC; Ford, J; Chatwood, S; Edge, V; Farahbakhsh, K; Furgal, C; Harper, S; Mauro, I; Pearce, T (2016). Indigenous community food security in Yukon territory. *INTERNATIONAL JOURNAL OF CIRCUMPOLAR HEALTH*, 75(), 95-95.
- MacDonald, K; Keefe, G; Dohoo, I; Leslie, K; Roy, JP (2011). Promoting judicious antibiotic use: On-farm culture-based treatment strategies. *UDDER HEALTH AND COMMUNICATION*, (), 269-275.
- MacDonell, EC; Rajcan, I (2018). Identification of quantitative trait loci associated with soyasaponin I concentration in soybean seed. *THEORETICAL AND APPLIED GENETICS*, 131(10), 2157-2165. 10.1007/s00122-018-3144-0
- MacDougall, AS; McCann, KS; Gellner, G; Turkington, R (2013). Diversity loss with persistent human disturbance increases vulnerability to ecosystem collapse. *NATURE*, 494(7435), 86-89. 10.1038/nature11869
- MacDougall, AS; McCune, JL; Eriksson, O; Cousins, SAO; Partel, M; Firn, J; Hierro, JL (2018). The Neolithic Plant Invasion Hypothesis: the role of preadaptation and disturbance in grassland invasion. *NEW PHYTOLOGIST*, 220(1), 94-103. 10.1111/nph.15285
- Machado, PVF; Farrell, RE; Bell, G; Taveira, CJ; Congreves, KA; Voroney, RP; Deen, W; Wagner-Riddle, C (2021). Crop residues contribute minimally to spring-thaw nitrous oxide emissions under contrasting tillage and crop rotations. *SOIL BIOLOGY & BIOCHEMISTRY*, 152(), . 10.1016/j.soilbio.2020.108057
- Machado, PVF; Farrell, RE; Deen, W; Voroney, RP; Congreves, KA; Wagner-Riddle, C (2021). Contribution of crop residue, soil, and fertilizer nitrogen to nitrous oxide emissions varies with long-term crop rotation and tillage. *SCIENCE OF THE TOTAL ENVIRONMENT*, 767(), . 10.1016/j.scitotenv.2021.145107
- Mackie, KG; Menzies, PI; Bateman, KG; Gordon, JL (2019). Efficacy of fenbendazole and ivermectin in treating gastrointestinal nematode infections in an Ontario cow-calf herd. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 60(11), 1213-1219.
- Macmillan, K; Gobikrushanth, M; Behrouzi, A; Hoff, B; Colazo, MG (2021). Prevalence of early postpartum health disorders in Holstein cows and associations with production, reproduction, and survival outcomes on Alberta dairy farms. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 62(3), 273-280.
- MacVicar, S; Berrang-Ford, L; Harper, S; Huang, Y; Bambaiha, DN; Yang, S (2017). Whether weather matters: Evidence of association between in utero meteorological

- exposures and foetal growth among Indigenous and non-Indigenous mothers in rural Uganda. *PLOS ONE*, 12(6), . 10.1371/journal.pone.0179010
- Madureira, AML; Burnett, TA; Borchardt, S; Heuwieser, W; Baes, CF; Vasconcelos, JLM; Cerri, RLA (2021). Plasma concentrations of progesterone in the preceding estrous cycle are associated with the intensity of estrus and fertility of Holstein cows. *PLOS ONE*, 16(8), . 10.1371/journal.pone.0248453
- Mafa-Attoye, TG; Baskerville, MA; Ofosu, E; Oelbermann, M; Thevathasan, NV; Dunfield, KE (2020). Riparian land-use systems impact soil microbial communities and nitrous oxide emissions in an agro-ecosystem. *SCIENCE OF THE TOTAL ENVIRONMENT*, 724(), . 10.1016/j.scitotenv.2020.138148
- Magagi, R; Berg, AA; Goita, K; Belair, S; Jackson, TJ; Toth, B; Walker, A; McNairn, H; O'Neill, PE; Moghaddam, M; Gherboudj, I; Colliander, A; Cosh, MH; Burgin, M; Fisher, JB; Kim, SB; Mladenova, I; Djamai, N; Rousseau, LPB; Belanger, J; Shang, JL; Merzouki, A (2013). Canadian Experiment for Soil Moisture in 2010 (CanEx-SM10): Overview and Preliminary Results. *IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING*, 51(1), 347-363. 10.1109/TGRS.2012.2198920
- Mahoney, KJ; Nurse, RE; Sikkema, PH (2014). The effect of hard water, spray solution storage time, and ammonium sulfate on glyphosate efficacy and yield of glyphosate-resistant corn. *CANADIAN JOURNAL OF PLANT SCIENCE*, 94(8), 1401-1405. 10.4141/CJPS-2014-131
- Main, MH; Lynch, DH; Voroney, RP; Juurlink, S (2013). Soil Phosphorus Effects on Forage Harvested and Nitrogen Fixation on Canadian Organic Dairy Farms. *AGRONOMY JOURNAL*, 105(3), 827-835. 10.2134/agronj2012.0500
- Majaneva, M; Diserud, OH; Eagle, SHC; Bostrom, E; Hajibabaei, M; Ekrem, T (2018). Environmental DNA filtration techniques affect recovered biodiversity. *SCIENTIFIC REPORTS*, 8(), . 10.1038/s41598-018-23052-8
- Majowicz, SE; Hammond, D; Dubin, JA; Diplock, KJ; Jones-Bitton, A; Rebellato, S; Leatherdale, ST (2017). A longitudinal evaluation of food safety knowledge and attitudes among Ontario high school students following a food handler training program. *FOOD CONTROL*, 76(), 108-116. 10.1016/j.foodcont.2017.01.011
- Makanjuola, BO; Maltecca, C; Miglior, F; Marras, G; Abdalla, EA; Schenkel, FS; Baes, CF (2021). Identification of unique ROH regions with unfavorable effects on production and fertility traits in Canadian Holsteins. *GENETICS SELECTION EVOLUTION*, 53(1), . 10.1186/s12711-021-00660-z
- Makanjuola, BO; Miglior, F; Abdalla, EA; Maltecca, C; Schenkel, FS; Baes, CF (2020). Effect of genomic selection on rate of inbreeding and coancestry and effective

population size of Holstein and Jersey cattle populations. *JOURNAL OF DAIRY SCIENCE*, 103(6), 5183-5199. 10.3168/jds.2019-18013

Makau, DN; VanLeeuwen, JA; Gitau, GK; McKenna, SL; Walton, C; Muraya, J; Wichtel, JJ (2019). Effects of Calliandra and Sesbania supplementation on weight gain in dairy calves on smallholder farms in Kenya. *PREVENTIVE VETERINARY MEDICINE*, 172(), . 10.1016/j.prevetmed.2019.104787

Makowski, D; Asseng, S; Ewert, F; Bassu, S; Durand, JL; Li, T; Martre, P; Adam, M; Aggarwal, PK; Angulo, C; Baron, C; Basso, B; Bertuzzi, P; Biernath, C; Boogaard, H; Boote, KJ; Bouman, B; Bregaglio, S; Brisson, N; Buis, S; Cammarano, D; Challinor, AJ; Confalonieri, R; Conijn, JG; Corbeels, M; Deryng, D; De Sanctis, G; Doltra, J; Fumoto, T; Gaydon, D; Gayler, S; Goldberg, R; Grant, RF; Grassini, P; Hatfield, JL; Hasegawa, T; Heng, L; Hoek, S; Hooker, J; Hunt, LA; Ingwersen, J; Izaurrealde, RC; Jongschaap, REE; Jones, JW; Kemanian, RA; Kersebaum, KC; Kim, SH; Lizaso, J; Marcaida, M; Muller, C; Nakagawa, H; Kumar, SN; Nendel, C; O'Leary, GJ; Olesen, JE; Oriol, P; Osborne, TM; Palosuo, T; Pravia, MV; Priesack, E; Ripoche, D; Rosenzweig, C; Ruane, AC; Ruget, F; Sau, F; Semenov, MA; Shcherbak, I; Singh, B; Singh, U; Soo, HK; Steduto, P; Stockle, C; Stratonovitch, P; Streck, T; Supit, I; Tang, L; Tao, F; Teixeira, EI; Thorburn, P; Timlin, D; Travasso, M; Rotter, RP; Waha, K; Wallach, D; White, JW; Wilkens, P; Williams, JR; Wolf, J; Yin, X; Yoshida, H; Zhang, Z; Zhu, Y (2015). A statistical analysis of three ensembles of crop model responses to temperature and CO<sub>2</sub> concentration. *AGRICULTURAL AND FOREST METEOROLOGY*, 214(), 483-493. 10.1016/j.agrformet.2015.09.013

Maldaner, L; Wagner-Riddle, C; VanderZaag, AC; Gordon, R; Duke, C (2018). Methane emissions from storage of digestate at a dairy manure biogas facility. *AGRICULTURAL AND FOREST METEOROLOGY*, 258(), 96-107. 10.1016/j.agrformet.2017.12.184

Malicevic, S; Pacheco, APG; Lamont, K; Estepa, KM; Daguppati, P; van de Vegte, J; Marangoni, AG; Pensini, E (2020). Phosphate removal from water using alginate/carboxymethylcellulose/aluminum beads and plaster of paris. *WATER ENVIRONMENT RESEARCH*, 92(9), 1255-1267. 10.1002/wer.1321

Malle, S; Eskandari, M; Morrison, M; Belzile, F (2020). Genome-wide association identifies several QTLs controlling cysteine and methionine content in soybean seed including some promising candidate genes. *SCIENTIFIC REPORTS*, 10(1), . 10.1038/s41598-020-78907-w

Mallick, AI; Kulkarni, RR; St Paul, M; Parvizi, P; Nagy, E; Behboudi, S; Sharif, S (2012). Vaccination with CpG-Adjuvanted Avian Influenza Virosomes Promotes Antiviral Immune Responses and Reduces Virus Shedding in Chickens. *VIRAL IMMUNOLOGY*, 25(3), 226-231. 10.1089/vim.2011.0085

Mallick, AI; Parvizi, P; Read, LR; Nagy, E; Behboudi, S; Sharif, S (2011). Enhancement of immunogenicity of a virosome-based avian influenza vaccine in chickens by

incorporating CpG-ODN. *VACCINE*, 29(8), 1657-1665.  
10.1016/j.vaccine.2010.12.046

Mallikarjunappa, S; Shandilya, UK; Sharma, A; Lamers, K; Bissonnette, N; Karrow, NA; Meade, KG (2020). Functional analysis of bovine interleukin-10 receptor alpha in response to *Mycobacterium avium* subsp. paratuberculosis lysate using CRISPR/Cas9. *BMC GENETICS*, 21(1), . 10.1186/s12863-020-00925-4

Maltecca, C; Tiezzi, F; Cole, JB; Baes, C (2020). Symposium review: Exploiting homozygosity in the era of genomics-Selection, inbreeding, and mating programs. *JOURNAL OF DAIRY SCIENCE*, 103(6), 5302-5313. 10.3168/jds.2019-17846

Man, ML; Wagner-Riddle, C; Dunfield, KE; Deen, B; Simpson, MJ (2021). Long-term crop rotation and different tillage practices alter soil organic matter composition and degradation. *SOIL & TILLAGE RESEARCH*, 209(), . 10.1016/j.still.2021.104960

Manns, HR; Berg, AA (2014). Importance of soil organic carbon on surface soil water content variability among agricultural fields. *JOURNAL OF HYDROLOGY*, 516(), 297-303. 10.1016/j.jhydrol.2013.11.018

Manns, HR; Berg, AA; Bullock, PR; McNairn, H (2014). Impact of soil surface characteristics on soil water content variability in agricultural fields. *HYDROLOGICAL PROCESSES*, 28(14), 4340-4351. 10.1002/hyp.10216

Manns, HR; Berg, AA; Bullock, PR; McNairn, H; Groenevelt, P; Yang, WH (2017). Importance of soil organic carbon in near-surface soil water content estimation: A simple model comparison in dry-end Canadian Prairie soils. *CANADIAN WATER RESOURCES JOURNAL*, 42(4), 364-377. 10.1080/07011784.2017.1383188

Manns, HR; Berg, AA; Colliander, A (2015). Soil organic carbon as a factor in passive microwave retrievals of soil water content over agricultural croplands. *JOURNAL OF HYDROLOGY*, 528(), 643-651. 10.1016/j.jhydrol.2015.06.058

Manns, HR; Martin, RC (2018). Cropping system yield stability in response to plant diversity and soil organic carbon in temperate ecosystems. *AGROECOLOGY AND SUSTAINABLE FOOD SYSTEMS*, 42(7), 724-750.  
10.1080/21683565.2017.1423529

Manns, HR; Parkin, GW; Martin, RC (2016). Evidence of a union between organic carbon and water content in soil. *CANADIAN JOURNAL OF SOIL SCIENCE*, 96(3), 305-316. 10.1139/cjss-2015-0084

Manohar, CM; Xue, J; Murayyan, A; Neethirajan, S; Shi, J (2017). Antioxidant activity of polyphenols from Ontario grown onion varieties using pressurized low polarity water technology. *JOURNAL OF FUNCTIONAL FOODS*, 31(), 52-62.  
10.1016/j.jff.2017.01.037

- Mansilla, WD; Marinangeli, CPF; Cargo-Froom, C; Franczyk, A; House, JD; Elango, R; Columbus, DA; Kiarie, E; Rogers, M; Shoveller, AK (2020). Comparison of methodologies used to define the protein quality of human foods and support regulatory claims. *APPLIED PHYSIOLOGY NUTRITION AND METABOLISM*, 45(9), 917-926. 10.1139/apnm-2019-0757
- Marciniak, M; Brown, R; Reynolds, A; Jollineau, M (2015). USE OF REMOTE SENSING TO UNDERSTAND THE TERROIR OF THE NIAGARA PENINSULA. APPLICATIONS IN A RIESLING VINEYARD. *JOURNAL INTERNATIONAL DES SCIENCES DE LA VIGNE ET DU VIN*, 49(1), 1-26.
- Mardian, J; Berg, A; Daneshfar, B (2021). Evaluating the temporal accuracy of grassland to cropland change detection using multitemporal image analysis. *REMOTE SENSING OF ENVIRONMENT*, 255(), . 10.1016/j.rse.2021.112292
- Marsal, F; Thevathasan, NV; Guillot, S; Mann, J; Gordon, AM; Thimmanagari, M; Deen, W; Silim, S; Soolanayakanahally, R; Sidders, D (2016). Biomass yield assessment of five potential energy crops grown in southern Ontario, Canada. *AGROFORESTRY SYSTEMS*, 90(5), 773-783. 10.1007/s10457-016-9893-3
- Marsh, JW; Tulenko, MM; Shutt, KA; Thompson, AD; Weese, JS; Songer, JG; Limbago, BM; Harrison, LH (2011). Multi-locus variable number tandem repeat analysis for investigation of the genetic association of *Clostridium difficile* isolates from food, food animals and humans. *ANAEROBE*, 17(4), 156-160. 10.1016/j.anaerobe.2011.05.015
- Martin, AR; Hayes, FJ; Borden, KA; Buchanan, SW; Gordon, AM; Isaac, ME; Thevathasan, NV (2019). Integrating nitrogen fixing structures into above- and belowground functional trait spectra in soy (*Glycine max*). *PLANT AND SOIL*, 440(1-2), 53-69. 10.1007/s11104-019-04058-1
- Martin, CJ; Torkamaneh, D; Arif, M; Pauls, KP (2021). Genome-Wide Association Study of Seed Folate Content in Common Bean. *FRONTIERS IN PLANT SCIENCE*, 12(), . 10.3389/fpls.2021.696423
- Martin, LM; Wood, KM; McEwen, PL; Smith, TK; Mandell, IB; Yannikouris, A; Swanson, KC (2010). Effects of feeding corn naturally contaminated with *Fusarium* mycotoxins and/or a modified yeast cell wall extract on the performance, immunity and carcass characteristics of grain-fed veal calves. *ANIMAL FEED SCIENCE AND TECHNOLOGY*, 159(1-2), 27-34. 10.1016/j.anifeedsci.2010.05.006
- Martin, P; Baes, C; Houlahan, K; Richardson, CM; Jamrozik, J; Miglior, F (2019). Genetic correlations among selected traits in Canadian Holsteins. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 99(4), 693-704. 10.1139/cjas-2018-0190
- Martos, PA; Thompson, W; Diaz, GJ (2010). Multiresidue mycotoxin analysis in wheat, barley, oats, rye and maize grain by high-performance liquid chromatography-

tandem mass spectrometry. *WORLD MYCOTOXIN JOURNAL*, 3(3), 205-223.  
10.3920/WMJ2010.1212

Martre, P; Wallach, D; Asseng, S; Ewert, F; Jones, JW; Rotter, RP; Boote, KJ; Ruane, AC; Thorburn, PJ; Cammarano, D; Hatfield, JL; Rosenzweig, C; Aggarwal, PK; Angulo, C; Basso, B; Bertuzzi, P; Biernath, C; Brisson, N; Challinor, AJ; Doltra, J; Gayler, S; Goldberg, R; Grant, RF; Heng, L; Hooker, J; Hunt, LA; Ingwersen, J; Izaurralde, RC; Kersebaum, KC; Muller, C; Kumar, SN; Nendel, C; O'leary, G; Olesen, JE; Osborne, TM; Palosuo, T; Priesack, E; Ripoche, D; Semenov, MA; Shcherbak, I; Steduto, P; Stockle, CO; Stratonovitch, P; Streck, T; Supit, I; Tao, FL; Travasso, M; Waha, K; White, JW; Wolf, J (2015). Multimodel ensembles of wheat growth: many models are better than one. *GLOBAL CHANGE BIOLOGY*, 21(2), 911-925. 10.1111/gcb.12768

Massender, E; Brito, LF; Canovas, A; Baes, CF; Kennedy, D; Schenkel, FS (2021). The value of incorporating carcass trait phenotypes in terminal sire selection indexes to improve carcass weight and quality of heavy lambs. *JOURNAL OF ANIMAL BREEDING AND GENETICS*, 138(1), 91-107. 10.1111/jbg.12484

Massicotte, HB; Peterson, RL; Melville, LH; Tackaberry, LE (2010). *Hudsonia ericoides* and *Hudsonia tomentosa*: Anatomy of mycorrhizas of two members in the Cistaceae from Eastern Canada. *BOTANY*, 88(6), 607-616. 10.1139/B10-035

Matson, RD; King, MTM; Duffield, TF; Santschi, DE; Orsel, K; Pajor, EA; Penner, GB; Mutsvangwa, T; DeVries, TJ (2022). Farm-level factors associated with lameness prevalence, productivity, and milk quality in farms with automated milking systems. *JOURNAL OF DAIRY SCIENCE*, 105(1), 793-806. 10.3168/jds.2021-20618

Mavrogianni, VS; Menzies, PI; Fragkou, IA; Fthenakis, GC (2011). Principles of Mastitis Treatment in Sheep and Goats. *VETERINARY CLINICS OF NORTH AMERICA-FOOD ANIMAL PRACTICE*, 27(1), 115-+. 10.1016/j.cvfa.2010.10.010

Mayani, M; Filipe, CDM; McLean, MD; Hall, JC; Ghosh, R (2013). Purification of transgenic tobacco-derived recombinant human monoclonal antibody. *BIOCHEMICAL ENGINEERING JOURNAL*, 72(), 33-41. 10.1016/j.bej.2012.12.007

Mayani, M; McLean, MD; Hall, JC; Filipe, CDM; Ghosh, R (2011). Recovery and isolation of recombinant human monoclonal antibody from transgenic tobacco plants. *BIOCHEMICAL ENGINEERING JOURNAL*, 54(2), 103-108. 10.1016/j.bej.2011.02.004

Maynard, LD; Slinn, HL; Glassmire, AE; Matarrita-Carranza, B; Dodson, CD; Nguyen, TT; Burroughs, MJ; Dyer, LA; Jeffrey, CS; Whitehead, SR (2020). Secondary metabolites in a neotropical shrub: spatiotemporal allocation and role in fruit defense and dispersal. *ECOLOGY*, 101(12), . 10.1002/ecy.3192



- McAloon, CG; Roche, S; Ritter, C; Barkema, HW; Whyte, P; More, SJ; O'Grady, L; Green, MJ; Doherty, ML (2019). A review of paratuberculosis in dairy herds - Part 2: On-farm control. *VETERINARY JOURNAL*, 246(), 54-58. 10.1016/j.tvjl.2019.01.009
- McBride, M; Amezcua, R; Cassar, G; O'Sullivan, T; Friendship, R (2019). Combining Fixed-Time Insemination and Improved Catheter Design in an Effort to Improve Swine Reproduction Efficiency. *ANIMALS*, 9(10), . 10.3390/ani9100748
- McCaig, M; Rezania, D; Dara, R (2022). Is the Internet of Things a helpful employee? An exploratory study of discourses of Canadian farmers. *INTERNET OF THINGS*, 17(), . 10.1016/j.iot.2021.100466
- McCalla, D (2017). Canada's Rural Majority: Households, Environments, and Economies, 1870-1940. *HISTOIRE SOCIALE-SOCIAL HISTORY*, 50(101), 217-219. 10.1353/his.2017.0027
- McCauley, DJ; Gellner, G; Martinez, ND; Williams, RJ; Sandin, SA; Micheli, F; Mumby, PJ; McCann, KS (2018). On the prevalence and dynamics of inverted trophic pyramids and otherwise top-heavy communities. *ECOLOGY LETTERS*, 21(3), 439-454. 10.1111/ele.12900
- McClenaghan, B; Compson, ZG; Hajibabaei, M (2020). Validating metabarcoding-based biodiversity assessments with multi-species occupancy models: A case study using coastal marine eDNA. *PLOS ONE*, 15(3), . 10.1371/journal.pone.0224119
- McClure, KA; Gardner, KM; Toivonen, PMA; Hampson, CR; Song, J; Forney, CF; DeLong, J; Rajcan, I; Myles, S (2016). QTL analysis of soft scald in two apple populations. *HORTICULTURE RESEARCH*, 3(), . 10.1038/hortres.2016.43
- McCorquodale, CE; Sewalem, A; Miglior, F; Kelton, D; Robinson, A; Koeck, A; Leslie, KE (2013). Short communication: Analysis of health and survival in a population of Ontario Holstein heifer calves. *JOURNAL OF DAIRY SCIENCE*, 96(3), 1880-1885. 10.3168/jds.2012-5735
- McCune, JL (2016). Species distribution models predict rare species occurrences despite significant effects of landscape context. *JOURNAL OF APPLIED ECOLOGY*, 53(6), 1871-1879. 10.1111/1365-2664.12702
- McCune, JL; Vellend, M; Pellatt, MG (2015). Combining phytolith analysis with historical ecology to reveal the long-term, local-scale dynamics within a savannah-forest landscape mosaic. *BIODIVERSITY AND CONSERVATION*, 24(3), 609-626. 10.1007/s10531-014-0840-1
- McDonald, M; Sharma, K; Nieuwelaar, AV; Gossen, BD (2012). A comparison of clubroot resistance in Brassica vegetable crops. *PHYTOPATHOLOGY*, 102(7), 78-78.

- McDonald, MR; Bakker, C; Motior, MR (2019). Evaluation of wood biochar and compost soil amendment on cabbage yield and quality. *CANADIAN JOURNAL OF PLANT SCIENCE*, 99(5), 624-638. 10.1139/cjps-2018-0122
- McDonald, MR; Gossen, BD; Kora, C; Parker, M; Boland, G (2013). Using crop canopy modification to manage plant diseases. *EUROPEAN JOURNAL OF PLANT PATHOLOGY*, 135(3), 581-593. 10.1007/s10658-012-0133-z
- McDonald, MR; Saude, C; Gossen, BD; McKeown, A; Bakker, C (2011). Evaluation of Host Resistance for the Management of Clubroot (*Plasmodiophora brassicae* Woronin) on Cabbage. *HORTSCIENCE*, 46(9), S142-S143.
- McDonald, MR; Vander Kooi, K; Van Dyk, D; Ponomareva, E; Sun, F; Yu, Q (2017). Distribution of carrot cyst nematode in the Holland Marsh, Ontario, 2016.. *CANADIAN JOURNAL OF PLANT PATHOLOGY*, 39(4), 567-567.
- McEwen, SA; Collignon, PJ (2018). Antimicrobial Resistance: a One Health Perspective. *MICROBIOLOGY SPECTRUM*, 6(2), . 10.1128/microbiolspec.ARBA-0009-2017
- McFarland, BA; AlKhalifah, N; Bohn, M; Bubert, J; Buckler, ES; Ciampitti, I; Edwards, J; Ertl, D; Gage, JL; Falcon, CM; Flint-Garcia, S; Gore, MA; Graham, C; Hirsch, CN; Holland, JB; Hood, E; Hooker, D; Jarquin, D; Kaeppler, SM; Knoll, J; Kruger, G; Lauter, N; Lee, ELC; Lima, DC; Lorenz, A; Lynch, JP; McKay, J; Miller, ND; Moose, SP; Murray, SC; Nelson, R; Poudyal, C; Rocheford, T; Rodriguez, O; Romay, MC; Schnable, JC; Schnable, PS; Scully, B; Sekhon, R; Silverstein, K; Singh, M; Smith, M; Spalding, EP; Springer, N; Thelen, K; Thomison, P; Tuinstra, M; Wallace, J; Walls, R; Wills, D; Wisser, RJ; Xu, WW; Yeh, CT; de Leon, N (2020). Maize genomes to fields (G2F): 2014-2017 field seasons: genotype, phenotype, climatic, soil, and inbred ear image datasets. *BMC RESEARCH NOTES*, 13(1), . 10.1186/s13104-020-4922-8
- McFarlane, WJ; Winder, CB; Duffield, TF; Kelton, DF; Bauman, CA; Croyle, SL; Renaud, DL (2022). Factors influencing how Canadian dairy producers respond to a downer cow scenario. *JOURNAL OF DAIRY SCIENCE*, 105(1), 684-694. 10.3168/jds.2021-20847
- McGee, KM; Eaton, WD; Shokralla, S; Hajibabaei, M (2019). Determinants of Soil Bacterial and Fungal Community Composition Toward Carbon-Use Efficiency Across Primary and Secondary Forests in a Costa Rican Conservation Area. *MICROBIAL ECOLOGY*, 77(1), 148-167. 10.1007/s00248-018-1206-0
- McGregor, EM; Campbell, CP; Miller, SP; Purslow, PP; Mandell, IB (2012). Effect of nutritional regimen including limit feeding and breed on growth performance, carcass characteristics and meat quality in beef cattle. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 92(3), 327-341. 10.4141/CJAS2011-126

- McIntyre, S (2010). AUDITING TEMPERATURE RECONSTRUCTIONS OF THE PAST 1000 YEARS. *INTERNATIONAL SEMINAR ON NUCLEAR WAR AND PLANETARY EMERGENCIES 40TH SESSION*, (), 69-84. 10.1142/9789814289139\_0007
- McKenney, DW; Pedlar, JH; Yang, J; Weersink, A; Lawrence, G (2015). An economic analysis of seed source options under a changing climate for black spruce and white pine in Ontario, Canada. *CANADIAN JOURNAL OF FOREST RESEARCH*, 45(10), 1248-1257. 10.1139/cjfr-2015-0051
- McMullin, RT (2015). THE LICHENS OF PRINCE EDWARD ISLAND, CANADA: A SECOND CHECKLIST, WITH SPECIES RANKED FOR CONSERVATION STATUS. *RHODORA*, 117(972), 454-484. 10.3119/15-12
- McMullin, RT; Lewis, CJ (2014). The unusual lichens and allied fungi of Sandbanks Provincial Park, Ontario. *BOTANY-BOTANIQUE*, 92(2), 85-92. 10.1139/cjb-2013-0227
- McMullin, RT; Thompson, ID; Lacey, BW; Newmaster, SG (2011). Estimating the biomass of woodland caribou forage lichens. *CANADIAN JOURNAL OF FOREST RESEARCH-REVUE CANADIENNE DE RECHERCHE FORESTIERE*, 41(10), 1961-1969. 10.1139/X11-108
- McMullin, RT; Thompson, ID; Newmaster, SG (2013). Lichen Conservation in Heavily Managed Boreal Forests. *CONSERVATION BIOLOGY*, 27(5), 1020-1030. 10.1111/cobi.12094
- McNaughton, KE; Blackshaw, RE; Waddell, KA; Gulden, RH; Sikkema, PH; Gillard, CL (2015). Effect of application timing of glyphosate and saflufenacil as desiccants in dry edible bean (*Phaseolus vulgaris* L.). *CANADIAN JOURNAL OF PLANT SCIENCE*, 95(2), 369-375. 10.4141/CJPS-2014-157
- McNeill, EP; Thompson, ID; Wiebe, PA; Street, GM; Shuter, J; Rodgers, AR; Fryxell, JM (2020). Multi-scale foraging decisions made by woodland caribou (*Rangifer tarandus caribou*) in summer. *CANADIAN JOURNAL OF ZOOLOGY*, 98(5), 331-341. 10.1139/cjz-2019-0197
- McWilliam, W; Eagles, P; Seasons, M; Brown, R (2010). The housing-forest interface: Testing structural approaches for protecting suburban natural systems following development. *URBAN FORESTRY & URBAN GREENING*, 9(2), 149-159. 10.1016/j.ufug.2009.12.002
- Meadows, S; Jones-Bitton, A; McEwen, S; Jansen, J; Menzies, P (2015). *Coxiella burnetii* seropositivity and associated risk factors in sheep in Ontario, Canada. *PREVENTIVE VETERINARY MEDICINE*, 122(1-2), 129-134. 10.1016/j.prevetmed.2015.07.007
- Meadows, S; Jones-Bitton, A; McEwen, S; Jansen, J; Menzies, P (2015). *Coxiella burnetii* seropositivity and associated risk factors in goats in Ontario, Canada.

*PREVENTIVE VETERINARY MEDICINE*, 121(3-4), 199-205.  
10.1016/j.prevetmed.2015.06.014

Meadows, S; Jones-Bitton, A; McEwen, SA; Jansen, J; Patel, SN; Filejski, C; Menzies, P (2016). *Coxiella burnetii* (Q Fever) Seropositivity and Associated Risk Factors in Sheep and Goat Farm Workers in Ontario, Canada. *VECTOR-BORNE AND ZOOLOGICAL DISEASES*, 16(10), 643-649. 10.1089/vbz.2015.1909

Mederos, A; Fernandez, S; VanLeeuwen, J; Peregrine, AS; Kelton, D; Menzies, P; LeBoeuf, A; Martin, R (2010). Prevalence and distribution of gastrointestinal nematodes on 32 organic and conventional commercial sheep farms in Ontario and Quebec, Canada (2006-2008). *VETERINARY PARASITOLOGY*, 170(3-4), 244-252. 10.1016/j.vetpar.2010.02.018

Mederos, A; Kelton, D; Peregrine, AS; VanLeeuwen, J; Fernandez, S; LeBoeuf, A; Menzies, P; Martin, R (2014). Evaluation of the utility of subjective clinical parameters for estimating fecal egg counts and packed cell volume in Canadian sheep flocks. *VETERINARY PARASITOLOGY*, 205(3-4), 568-574.  
10.1016/j.vetpar.2014.08.030

Medhanie, GA; McEwen, SA; Weber, L; Sanei, B; Cooley, L; Houghton, S; Slavic, D; Guerin, MT (2013). Risk factors associated with the colonization of Ontario layer chicken flocks with *Brachyspira* species. *PREVENTIVE VETERINARY MEDICINE*, 109(3-4), 304-311. 10.1016/j.prevetmed.2012.09.017

Medhanie, GA; Pearl, DL; McEwen, SA; Guerin, MT; Jardine, CM; Schrock, J; LeJeune, JT (2014). A longitudinal study of feed contamination by European starling excreta in Ohio dairy farms (2007-2008). *JOURNAL OF DAIRY SCIENCE*, 97(8), 5230-5238. 10.3168/jds.2014-8045

Medhanie, GA; Pearl, DL; McEwen, SA; Guerin, MT; Jardine, CM; Schrock, J; LeJeune, JT (2016). On-farm starling populations and other environmental and management factors associated with the presence of cefotaxime and ciprofloxacin resistant *E. coli* among dairy cattle in Ohio. *PREVENTIVE VETERINARY MEDICINE*, 134(), 122-127. 10.1016/j.prevetmed.2016.10.006

Medhanie, GA; Pearl, DL; McEwen, SA; Guerin, MT; Jardine, CM; Schrock, J; LeJeune, JT (2017). Spatial Clustering of *Escherichia coli* with Reduced Susceptibility to Cefotaxime and Ciprofloxacin among Dairy Cattle Farms Relative to European Starling Night Roosts. *ZOOLOGICAL AND PUBLIC HEALTH*, 64(3), 204-212.  
10.1111/zph.12296

Medici, G; Bajak, P; West, LJ; Chapman, PJ; Banwart, SA (2021). DOC and nitrate fluxes from farmland; impact on a dolostone aquifer KCZ. *JOURNAL OF HYDROLOGY*, 595(), . 10.1016/j.jhydrol.2020.125658

- Medina-Flores, CA; Guzman-Novoa, E; Hamiduzzaman, MM; Arechiga-Flores, CF; Lopez-Carlos, MA (2014). Africanized honey bees (*Apis mellifera*) have low infestation levels of the mite *Varroa destructor* in different ecological regions in Mexico. *GENETICS AND MOLECULAR RESEARCH*, 13(3), 7282-7293. 10.4238/2014.February.21.10
- Medrano-Galarza, C; LeBlanc, SJ; DeVries, TJ; Jones-Bitton, A; Rushen, J; de Passille, AM; Endres, MI; Haley, DB (2018). Effect of age of introduction to an automated milk feeder on calf learning and performance and labor requirements. *JOURNAL OF DAIRY SCIENCE*, 101(10), 9371-9384. 10.3168/jds.2018-14390
- Medrano-Galarza, C; LeBlanc, SJ; Jones-Bitton, A; DeVries, TJ; Rushen, J; de Passille, AM; Haley, DB (2018). Producer perceptions of manual and automated milk feeding systems for dairy calves in Canada. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 98(2), 250-259. 10.1139/cjas-2017-0038
- Medrano-Galarza, C; LeBlanc, SJ; Jones-Bitton, A; DeVries, TJ; Rushen, J; de Passille, AM; Endres, MI; Haley, DB (2018). Associations between management practices and within-pen prevalence of calf diarrhea and respiratory disease on dairy farms using automated milk feeders. *JOURNAL OF DAIRY SCIENCE*, 101(3), 2293-2308. 10.3168/jds.2017-13733
- Meereboer, KW; Pal, AK; Misra, M; Mohanty, AK (2021). Green Composites from a Bioplastic Blend of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and Carbon Dioxide-Derived Poly(propylene carbonate) and Filled with a Corn Ethanol-Industry Co-product. *ACS OMEGA*, 6(31), 20103-20111. 10.1021/acsomega.1c00763
- Melendez, DM; Marti, S; Faucitano, L; Haley, DB; Schwinghamer, TD; Nordi, WM; Schwartzkopf-Genswein, KS (2020). Correlations between L-lactate concentrations obtained using a handheld lactate analyser and a lactate assay colorimetric kit in beef cattle transported by road. *JOURNAL OF ANIMAL SCIENCE*, 98(), 296-296. 10.1016/jas/skaa278.535
- Melendez, DM; Marti, S; Haley, DB; Schwinghamer, TD; Schwartzkopf-Genswein, KS (2021). Effects of conditioning, source, and rest on indicators of stress in beef cattle transported by road. *PLOS ONE*, 16(1), . 10.1371/journal.pone.0244854
- Melendez, DM; Marti, S; Schwinghamer, T; Haley, DB; Nordi, WM; Schwartzkopf-Genswein, KS (2020). Effect of rest stop on welfare indicators of conditioned and non-conditioned ranch-direct or auction-market-sourced beef cattle, transported by road. *JOURNAL OF ANIMAL SCIENCE*, 98(), 3-3. 10.1093/jas/skaa278.005
- Melendez, DM; Marti, S; Schwinghamer, TD; Haley, DB; Schwartzkopf-Genswein, KS (2021). Effect of Conditioning, Rest, and Post-rest Transport Duration on Welfare Indicators of Beef Cattle Transported by Road. *JOURNAL OF ANIMAL SCIENCE*, 99(), 2-2.

- Melhim, A; Shumway, CR (2011). Enterprise diversification in US dairy: impact of risk preferences on scale and scope economies. *APPLIED ECONOMICS*, 43(26), 3849-3862. 10.1080/00036841003724478
- Melka, MG; Schenkel, F (2010). Analysis of genetic diversity in four Canadian swine breeds using pedigree data. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 90(3), 331-340. 10.4141/CJAS10002
- Melka, MG; Stachowicz, K; Miglior, F; Schenkel, FS (2013). Analyses of genetic diversity in five Canadian dairy breeds using pedigree data. *JOURNAL OF ANIMAL BREEDING AND GENETICS*, 130(6), 476-486. 10.1111/jbg.12050
- Melmer, DJ; O'Sullivan, TL; Poljak, Z (2018). A descriptive analysis of swine movements in Ontario (Canada) as a contributor to disease spread. *PREVENTIVE VETERINARY MEDICINE*, 159(), 211-219. 10.1016/j.prevetmed.2018.09.021
- Melzer, MS; Yu, H; Labun, T; Dickson, A; Boland, GJ (2016). Characterization and pathogenicity of *Rhizoctonia* spp. from field crops in Canada. *CANADIAN JOURNAL OF PLANT PATHOLOGY*, 38(3), 367-374. 10.1080/07060661.2016.1199596
- Menzies, PI (2011). Control of Important Causes of Infectious Abortion in Sheep and Goats. *VETERINARY CLINICS OF NORTH AMERICA-FOOD ANIMAL PRACTICE*, 27(1), 81-+. 10.1016/j.cvfa.2010.10.011
- Mercer, DG; Remillard, PA; Goodman, PA (2011). "Education for Employment" in Tanzania. *11TH INTERNATIONAL CONGRESS ON ENGINEERING AND FOOD (ICEF11)*, 1(), 1895-1900. 10.1016/j.profoo.2011.09.278
- Mercer, DG; Rennie, TJ; Tubeileh, A (2011). Drying studies of sorghum for forage and biomass production. *11TH INTERNATIONAL CONGRESS ON ENGINEERING AND FOOD (ICEF11)*, 1(), 655-661. 10.1016/j.profoo.2011.09.098
- Merkies, K; Copelin, C; Crouchman, E; St-Onge, A (2020). The Effect of the COVID-19 Pandemic on Riding Lesson Barns and Summer Camps in Ontario. *ANIMALS*, 10(12), . 10.3390/ani10122412
- Merriman, KR; Daggupati, P; Srinivasan, R; Hayhurst, B (2019). Assessment of site-specific agricultural Best Management Practices in the Upper East River watershed, Wisconsin, using a field-scale SWAT model. *JOURNAL OF GREAT LAKES RESEARCH*, 45(3), 619-641. 10.1016/j.jglr.2019.02.004
- Messmer, AM; Leong, JS; Rondeau, EB; Mueller, A; Despina, CA; Minkley, DR; Kent, MP; Lien, S; Boyce, B; Morrison, D; Fast, MD; Norman, JD; Danzmann, RG; Koop, BF (2018). A 200K SNP chip reveals a novel Pacific salmon louse genotype linked to differential efficacy of emamectin benzoate. *MARINE GENOMICS*, 40(), 45-57. 10.1016/j.margen.2018.03.005

- Meyer-Aurich, A; Weersink, A; Gandorfer, M; Wagner, P (2010). Optimal site-specific fertilization and harvesting strategies with respect to crop yield and quality response to nitrogen. *AGRICULTURAL SYSTEMS*, 103(7), 478-485. 10.1016/j.agsy.2010.05.001
- Michitsch, R; Jamieson, R; Gordon, R; Stratton, G; Lake, C (2015). Bacterial Pathogen Indicator Transport from Livestock Mortality Biopiles. *JOURNAL OF ENVIRONMENTAL QUALITY*, 44(5), 1355-1365. 10.2134/jeq2015.01.0034
- Middleton, J; Cunsolo, A; Jones-Bitton, A; Wright, CJ; Harper, SL (2020). Indigenous mental health in a changing climate: a systematic scoping review of the global literature. *ENVIRONMENTAL RESEARCH LETTERS*, 15(5), . 10.1088/1748-9326/ab68a9
- Miller-Cushon, EK; Bergeron, R; Leslie, KE; DeVries, TJ (2013). Effect of milk feeding level on development of feeding behavior in dairy calves. *JOURNAL OF DAIRY SCIENCE*, 96(1), 551-564. 10.3168/jds.2012-5937
- Miller-Cushon, EK; Bergeron, R; Leslie, KE; Mason, GJ; DeVries, TJ (2013). Effect of early exposure to different feed presentations on feed sorting of dairy calves. *JOURNAL OF DAIRY SCIENCE*, 96(7), 4624-4633. 10.3168/jds.2013-6670
- Miller-Cushon, EK; DeVries, TJ (2011). Technical note: Validation of methodology for characterization of feeding behavior in dairy calves. *JOURNAL OF DAIRY SCIENCE*, 94(12), 6103-6110. 10.3168/jds.2011-4589
- Miller, EG; Huber, L; Levesque, CL; de Lange, CFM (2018). Accuracy of predicting chemical body composition of gilts and sows. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 98(3), 597-602. 10.1139/cjas-2017-0061
- Miller, EG; Levesque, CL; Trottier, NL; de Lange, CFM (2017). Dynamics of nitrogen retention at two feeding levels in gestating parity 2 and 3 sows. *JOURNAL OF ANIMAL SCIENCE*, 95(6), 2701-2710. 10.2527/jas.2017.1444
- Miltenburg, CL; Duffield, TF; Bienzle, D; Scholtz, EL; LeBlanc, SJ (2018). Short communication: The effect of calcium supplementation at calving on neutrophil function. *JOURNAL OF DAIRY SCIENCE*, 101(10), 9505-9509. 10.3168/jds.2018-14839
- Miltenburg, CL; Duffield, TF; Bienzle, D; Scholtz, EL; LeBlanc, SJ (2016). Randomized clinical trial of a calcium supplement for improvement of health in dairy cows in early lactation. *JOURNAL OF DAIRY SCIENCE*, 99(8), 6550-6562. 10.3168/jds.2016-10961
- Mindus, C; van Staaveren, N; Bharwani, A; Fuchs, D; Gostner, JM; Kjaer, JB; Kunze, W; Mian, MF; Shoveller, AK; Forsythe, P; Harlander-Matauschek, A (2021). Ingestion of *Lactobacillus rhamnosus* modulates chronic stress-induced feather pecking in chickens. *SCIENTIFIC REPORTS*, 11(1), . 10.1038/s41598-021-96615-x

- Mindus, C; van Staaveren, N; Fuchs, D; Gostner, JM; Kjaer, JB; Kunze, W; Mian, MF; Shoveller, AK; Forsythe, P; Harlander-Matauschek, A (2021). *L. rhamnosus* improves the immune response and tryptophan catabolism in laying hen pullets. *SCIENTIFIC REPORTS*, 11(1), . 10.1038/s41598-021-98459-x
- Minnes, S; Gaspard, V; Loring, PA; Baulch, H; Breen, SP (2020). Transforming conflict over natural resources: a socio-ecological systems analysis of agricultural drainage. *FACETS*, 5(), 864-886. 10.1139/facets-2020-0031
- Minnes, S; Simpson, H (2020). Capacity for source water protection in Ontario's privately-serviced rural areas. *GEOFORUM*, 116(), 12-23. 10.1016/j.geoforum.2020.07.008
- Miranda, SG; Purdie, NG; Osborne, VR; Coomber, BL; Cant, JP (2011). Selenomethionine increases proliferation and reduces apoptosis in bovine mammary epithelial cells under oxidative stress. *JOURNAL OF DAIRY SCIENCE*, 94(1), 165-173. 10.3168/jds.2010-3366
- Misran, A; Padmanabhan, P; Sullivan, JA; Khanizadeh, S; Paliyath, G (2015). Composition of phenolics and volatiles in strawberry cultivars and influence of preharvest hexanal treatment on their profiles. *CANADIAN JOURNAL OF PLANT SCIENCE*, 95(1), 115-126. 10.4141/CJPS-2014-245
- Misselbrook, T; Wagner-Riddle, C; Richards, K; Lanigan, G; Burchill, W; Salazar, F (2019). Editorial: RAMIRAN 2017: Sustainable Utilisation of Manures and Residue Resources in Agriculture. *FRONTIERS IN SUSTAINABLE FOOD SYSTEMS*, 3(), . 10.3389/fsufs.2019.00080
- Mitchell, S; Weersink, A; Erickson, B (2018). Adoption of precision agriculture technologies in Ontario crop production. *CANADIAN JOURNAL OF PLANT SCIENCE*, 98(6), 1384-1388. 10.1139/cjps-2017-0342
- Mlynarek, JJ; MacDonald, M; Sim, K; Hiltz, K; McDonald, MR; Blatt, S (2020). Oviposition, Feeding Preferences and Distribution of *Delia* Species (Diptera: Anthomyiidae) in Eastern Canadian Onions. *INSECTS*, 11(11), . 10.3390/insects11110780
- Mngoli, MB; Mkwambisi, DD; Fraser, EDG (2015). AN EVALUATION OF TRADITIONAL SEED CONSERVATION METHODS IN RURAL MALAWI. *JOURNAL OF INTERNATIONAL DEVELOPMENT*, 27(1), 85-98. 10.1002/jid.3052
- Mohammadigheisar, M; Shouldice, VL; Sands, JS; Lepp, D; Diarra, MS; Kiarie, EG (2020). Growth performance, breast yield, gastrointestinal ecology and plasma biochemical profile in broiler chickens fed multiple doses of a blend of red, brown and green seaweeds. *BRITISH POULTRY SCIENCE*, 61(5), 590-598. 10.1080/00071668.2020.1774512



- Mohammadigheisar, M; Shouldice, VL; Torrey, S; Widowski, T; Kiarie, EG (2020). Research Note: Comparative gastrointestinal, tibia, and plasma attributes in 48-day-old fast- and slow-growing broiler chicken strains. *POULTRY SCIENCE*, 99(6), 3086-3091. 10.1016/j.psj.2020.01.032
- Moinina, A; Lahlali, R; MacLean, D; Boulif, M (2018). Farmers' Knowledge, Perception and Practices in Apple Pest Management and Climate Change in the Fes-Meknes Region, Morocco. *HORTICULTURAE*, 4(4), . 10.3390/horticulturae4040042
- Molder, B; Cockburn, J; Berg, A; Lindsay, J; Woodrow, K (2015). Sediment-assisted nutrient transfer from a small, no-till, tile drained watershed in Southwestern Ontario, Canada. *AGRICULTURAL WATER MANAGEMENT*, 152(), 31-40. 10.1016/j.agwat.2014.12.010
- Moldowan, PD; Smith, MA; Baldwin, T; Bartley, T; Rollinson, N; Wynen, H (2019). Nature's pitfall trap: salamanders as rich prey for carnivorous plants in a nutrient-poor northern bog ecosystem. *ECOLOGY*, 100(10), . 10.1002/ecy.2770
- Moles, MD; Robinson, BW; Johnston, TA; Cunjak, RA; Jardine, TD; Casselman, JM; Leggett, WC (2010). Morphological and trophic differentiation of growth morphotypes of walleye (*Sander vitreus*) from Lake Winnipeg, Canada. *CANADIAN JOURNAL OF ZOOLOGY*, 88(10), 950-960. 10.1139/Z10-062
- Molodovskaya, M; Singurindy, O; Richards, BK; Warland, J; Johnson, MS; Steenhuis, TS (2012). Temporal Variability of Nitrous Oxide from Fertilized Croplands: Hot Moment Analysis. *SOIL SCIENCE SOCIETY OF AMERICA JOURNAL*, 76(5), 1728-1740. 10.2136/sssaj2012.0039
- Molodovskaya, M; Warland, J; Richards, BK; Oberg, G; Steenhuis, TS (2011). Nitrous Oxide from Heterogeneous Agricultural Landscapes: Source Contribution Analysis by Eddy Covariance and Chambers. *SOIL SCIENCE SOCIETY OF AMERICA JOURNAL*, 75(5), 1829-1838. 10.2136/sssaj2010.0415
- Montanholi, YR; Fontoura, ABP; de Amorim, MD; Foster, RA; Chenier, T; Miller, SP (2016). Seminal plasma protein concentrations vary with feed efficiency and fertility-related measures in young beef bulls. *REPRODUCTIVE BIOLOGY*, 16(2), 147-156. 10.1016/j.repbio.2016.04.002
- Montanholi, YR; Haas, LS; Swanson, KC; Coomber, BL; Yamashiro, S; Miller, SP (2017). Liver morphometrics and metabolic blood profile across divergent phenotypes for feed efficiency in the bovine (vol 59, 24, 2017). *ACTA VETERINARIA SCANDINAVICA*, 59(), . 10.1186/s13028-017-0308-x
- Montanholi, YR; Haas, LS; Swanson, KC; Yamashiro, S; Coomber, BL; Miller, SP (2011). Hepatic histology patterns are related to feed efficiency in the bovine.. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 91(3), 514-514.

- Montanholi, YR; Lam, S; Peripolli, V; Vander Voort, G; Miller, SP (2013). SHORT COMMUNICATION: Associations between chemical composition and physical properties of milk and colostrum with feed efficiency in beef cows. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 93(4), 487-492. 10.4141/CJAS2013-054
- Montanholi, YR; Swanson, KC; Palme, R; Schenkel, FS; McBride, BW; Lu, D; Miller, SP (2010). Assessing feed efficiency in beef steers through feeding behavior, infrared thermography and glucocorticoids. *ANIMAL*, 4(5), 692-701. 10.1017/S1751731109991522
- Montoro, C; Miller-Cushon, EK; DeVries, TJ; Bach, A (2013). Effect of physical form of forage on performance, feeding behavior, and digestibility of Holstein calves. *JOURNAL OF DAIRY SCIENCE*, 96(2), 1117-1124. 10.3168/jds.2012-5731
- Moola, F; Roth, R (2019). Moving beyond colonial conservation models: Indigenous Protected and Conserved Areas offer hope for biodiversity and advancing reconciliation in the Canadian boreal forest. *ENVIRONMENTAL REVIEWS*, 27(2), 200-201. 10.1139/er-2018-0091
- Moon, CS; Berke, O; Avery, BP; McEwen, SA; Reid-Smith, RJ; Scott, L; Menzies, P (2010). Characteristics of drug use on sheep farms in Ontario, Canada. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 51(12), 1373-1378.
- Moon, CS; Berke, O; Avery, BP; McEwen, SA; Reid-Smith, RJ; Scott, L; Menzies, P (2011). Rates and determinants of antimicrobial use, including extra-label, on Ontario sheep farms. *CANADIAN JOURNAL OF VETERINARY RESEARCH-REVUE CANADIENNE DE RECHERCHE VETERINAIRE*, 75(1), 1-10.
- Moore, DRJ; Teed, RS; Solomon, KR; Giesy, JP (2013). Refined avian risk assessment for agricultural uses of granular chlorpyrifos in the United States. *ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY*, 246(), .
- Moore, DRJ; Teed, RS; Solomon, KR; Giesy, JP (2013). Refined avian risk assessment for agricultural uses of flowable chlorpyrifos in the United States. *ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY*, 246(), .
- Moore, SM; King, MTM; Carpenter, AJ; DeVries, TJ (2020). Behavior, health, and productivity of early-lactation dairy cows supplemented with molasses in automated milking systems. *JOURNAL OF DAIRY SCIENCE*, 103(11), 10506-10518. 10.3168/jds.2020-18649
- Moran, K; de Lange, CFM; Ferket, P; Fellner, V; Wilcock, P; E, van Heugten (2016). Enzyme supplementation to improve the nutritional value of fibrous feed ingredients in swine diets fed in dry or liquid form. *JOURNAL OF ANIMAL SCIENCE*, 94(3), 1031-1040. 10.2527/jas.2015-9855
- Morfin, N; Goodwin, PH; Correa-Benitez, A; Guzman-Novoa, E (2019). Sublethal exposure to clothianidin during the larval stage causes long-term impairment of

hygienic and foraging behaviours of honey bees. *APIDOLOGIE*, 50(5), 595-605.  
10.1007/s13592-019-00672-1

Morfin, N; Rawn, D; Petukhova, T; Kozak, P; Eccles, L; Chaput, J; Pasma, T; Guzman-Novoa, E (2022). Surveillance of synthetic acaricide efficacy against Varroa destructor in Ontario, Canada. *CANADIAN ENTOMOLOGIST*, 154(), .  
10.4039/tce.2022.4

Mori, BA; Andreassen, L; Heal, JD; Dupuis, JR; Soroka, JJ; Sinclair, BJ (2019). A new species of Contarinia Rondani (Diptera: Cecidomyiidae) that induces flower galls on canola (Brassicaceae) in the Canadian prairies. *CANADIAN ENTOMOLOGIST*, 151(2), 131-148. 10.4039/tce.2018.63

Morris, DO; Loeffler, A; Davis, MF; Guardabassi, L; Weese, JS (2017). Recommendations for approaches to meticillin-resistant staphylococcal infections of small animals: diagnosis, therapeutic considerations and preventative measures.: Clinical Consensus Guidelines of the World Association for Veterinary Dermatology. *VETERINARY DERMATOLOGY*, 28(3), 304-+. 10.1111/vde.12444

Morrison, J; Renaud, DL; Churchill, KJ; Costa, JHC; Steele, MA; Winder, CB (2021). Predicting morbidity and mortality using automated milk feeders: A scoping review. *JOURNAL OF DAIRY SCIENCE*, 104(6), 7177-7194. 10.3168/jds.2020-19645

Morrissey, KLH; Brocklehurst, S; Baker, L; Widowski, TM; Sandilands, V (2016). Can Non-Beak Treated Hens be Kept in Commercial Furnished Cages? Exploring the Effects of Strain and Extra Environmental Enrichment on Behaviour, Feather Cover, and Mortality. *ANIMALS*, 6(3), . 10.3390/ani6030017

Morse, A; Kevan, P; Shipp, L; Khosla, S; McGarvey, B (2012). The Impact of Greenhouse Tomato (Solanales: Solanaceae) Floral Volatiles on Bumble Bee (Hymenoptera: Apidae) Pollination. *ENVIRONMENTAL ENTOMOLOGY*, 41(4), 855-864. 10.1603/EN11234

Mosby, I; Galloway, T (2017). "Hunger was never absent": How residential school diets shaped current patterns of diabetes among Indigenous peoples in Canada. *CANADIAN MEDICAL ASSOCIATION JOURNAL*, 189(32), E1043-E1045.  
10.1503/cmaj.170448

Moturi, J; Kim, KY; Hosseindoust, A; Lee, JH; Xuan, B; Park, J; Kim, EB; Kim, JS; Chae, BJ (2021). Effects of Lactobacillus salivarius isolated from feces of fast-growing pigs on intestinal microbiota and morphology of suckling piglets. *SCIENTIFIC REPORTS*, 11(1), . 10.1038/s41598-021-85630-7

Mousa, WK; Schwan, A; Davidson, J; Strange, P; Liu, HZ; Zhou, T; Auzanneau, FI; Raizada, MN (2015). An endophytic fungus isolated from finger millet (Eleusine coracana) produces anti-fungal natural products. *FRONTIERS IN MICROBIOLOGY*, 6(), . 10.3389/fmicb.2015.01157

- Mullen, EK; Daley, M; Backx, AG; Thompson, GJ (2014). Gene co-citation networks associated with worker sterility in honey bees. *BMC SYSTEMS BIOLOGY*, 8(), . 10.1186/1752-0509-8-38
- Mundbjerg, K; Pedersen, PE; Sebbelov, I; Honore, OL; Aalbaek, B; Larsen, C; Moore, AE; Hammer, AS (2020). Urolithiasis and cystitis associated with *Staphylococcus delphini* group A and mortality in post-weaning mink kits (*Neovison vison*). *VETERINARY MICROBIOLOGY*, 245(0), . 10.1016/j.vetmic.2020.108706
- Mundi, G; Zytner, RG; Warriner, K; Bonakdari, H; Gharabaghi, B (2021). Machine Learning Models for Predicting Water Quality of Treated Fruit and Vegetable Wastewater. *WATER*, 13(18), . 10.3390/w13182485
- Muniasamy, S; Reddy, MM; Misra, M; Mohanty, A (2013). Biodegradable green composites from bioethanol co-product and poly(butylene adipate-co-terephthalate). *INDUSTRIAL CROPS AND PRODUCTS*, 43(), 812-819. 10.1016/j.indcrop.2012.08.031
- Munro, JC; Physick-Sheard, PW; Pyle, WG; Schenkel, FS; Miller, SP; Montanholi, YR (2019). Cardiac function and feed efficiency: Increased right-heart workload in feed inefficient beef cattle. *LIVESTOCK SCIENCE*, 229(), 159-169. 10.1016/j.livsci.2019.09.029
- Munro, JC; Schenkel, FS; Physick-Sheard, PW; Fontoura, ABP; Miller, SP; Tennessen, T; Montanholi, YR (2017). Associations of acute stress and overnight heart rate with feed efficiency in beef heifers. *ANIMAL*, 11(3), 452-460. 10.1017/S1751731116001695
- Munyaka, PM; Nandha, NK; Kiarie, E; Nyachoti, CM; Khafipour, E (2016). Impact of combined beta-glucanase and xylanase enzymes on growth performance, nutrients utilization and gut microbiota in broiler chickens fed corn or wheat-based diets. *POULTRY SCIENCE*, 95(3), 528-540. 10.3382/ps/pev333
- Muralikrishnan, L; Padaria, RN; Choudhary, AK; Dass, A; Shokralla, S; El-Abedin, TKZ; Abdelmohsen, SAM; Mahmoud, EA; Elansary, HO (2022). Climate Change-Induced Drought Impacts, Adaptation and Mitigation Measures in Semi-Arid Pastoral and Agricultural Watersheds. *SUSTAINABILITY*, 14(1), . 10.3390/su14010006
- Muralikrishnan, L; Padaria, RN; Dass, A; Choudhary, AK; Kakade, B; Shokralla, S; El-Abedin, TKZ; Almutairi, KF; Elansary, HO (2021). Elucidating Traditional Rice Varieties for Consilient Biotic and Abiotic Stress Management under Changing Climate with Landscape-Level Rice Biodiversity. *LAND*, 10(10), . 10.3390/land10101058
- Murayyan, AI; Manohar, CM; Hayward, G; Neethirajan, S (2017). Antiproliferative activity of Ontario grown onions against colorectal adenocarcinoma cells. *FOOD RESEARCH INTERNATIONAL*, 96(), 12-18. 10.1016/j.foodres.2017.03.017

- Murdy, RC; Mak, M; Misra, M; Mohanty, AK (2015). An In-Depth Analysis of the Physico-Mechanical Properties Imparted by Agricultural Fibers and Food Processing Residues in Polypropylene Biocomposites. *PROCEEDINGS OF PPS-30: THE 30TH INTERNATIONAL CONFERENCE OF THE POLYMER PROCESSING SOCIETY, 1664()*, . 10.1063/1.4918503
- Murphy, HM; McBean, EA; Farahbakhsh, K (2010). Nitrification, denitrification and ammonification in point-of-use biosand filters in rural Cambodia. *JOURNAL OF WATER AND HEALTH, 8(4)*, 803-817. 10.2166/wh.2010.163
- Mutschall, SK; Hetman, BM; Bondo, KJ; Gannon, VPJ; Jardine, CM; Taboada, EN (2020). *Campylobacter jejuni* Strain Dynamics in a Raccoon (*Procyon lotor*) Population in Southern Ontario, Canada: High Prevalence and Rapid Subtype Turnover. *FRONTIERS IN VETERINARY SCIENCE, 7()*, . 10.3389/fvets.2020.00027
- Mutua, FK; Dewey, C; Arimi, S; Ogara, W; Levy, M; Schelling, E (2012). A description of local pig feeding systems in village smallholder farms of Western Kenya. *TROPICAL ANIMAL HEALTH AND PRODUCTION, 44(6)*, 1157-1162. 10.1007/s11250-011-0052-6
- Mutua, FK; Dewey, CE; Arimi, SM; Schelling, E; Ogara, WO; Levy, M (2011). Reproductive performance of sows in rural communities of Busia and Kakamega Districts, Western Kenya. *AFRICAN JOURNAL OF AGRICULTURAL RESEARCH, 6(31)*, 6485-6491. 10.5897/AJAR11.822
- Nagarajan, V; Mohanty, AK; Misra, M (2013). Sustainable Green Composites: Value Addition to Agricultural Residues and Perennial Grasses. *ACS SUSTAINABLE CHEMISTRY & ENGINEERING, 1(3)*, 325-333. 10.1021/sc300084z
- Nahian, MR; Nazem, A; Nambiar, MK; Byerlay, R; Mahmud, S; Seguin, AM; Robe, FR; Ravenhill, J; Aliabadi, AA (2020). Complex Meteorology over a Complex Mining Facility: Assessment of Topography, Land Use, and Grid Spacing Modifications in WRF. *JOURNAL OF APPLIED METEOROLOGY AND CLIMATOLOGY, 59(4)*, 769-789. 10.1175/JAMC-D-19-0213.1
- Nair, PK; Corredig, M (2021). Time-dependent aggregation of casein micelle concentrates. *JOURNAL OF DAIRY SCIENCE, 104(1)*, 92-101. 10.3168/jds.2020-18493
- Nair, S; Farzan, A; O'Sullivan, TL; Friendship, RM (2018). A clinical trial investigating the impact of in-feed flavophospholipol on *Salmonella* shedding and antimicrobial resistance in pigs. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE, 59(1)*, 59-65.
- Nair, S; Farzan, A; O'Sullivan, TL; Friendship, RM (2018). Time course of *Salmonella* shedding and antibody response in naturally infected pigs during grower-finisher

stage. *CANADIAN JOURNAL OF VETERINARY RESEARCH-REVUE CANADIENNE DE RECHERCHE VETERINAIRE*, 82(2), 139-145.

Najimudeen, SM; Hassan, MSH; Goldsmith, D; Ojkic, D; Cork, SC; Boulianne, M; Abdul-Careem, MF (2021). Molecular Characterization of 4/91 Infectious Bronchitis Virus Leading to Studies of Pathogenesis and Host Responses in Laying Hens. *PATHOGENS*, 10(5), . 10.3390/pathogens10050624

Nalley, D; Adamowski, J; Biswas, A; Gharabaghi, B; Hu, W (2019). A multiscale and multivariate analysis of precipitation and streamflow variability in relation to ENSO, NAO and PDO. *JOURNAL OF HYDROLOGY*, 574(), 288-307. 10.1016/j.jhydrol.2019.04.024

Nambiar, MK; Ambadan, JT; Rowlandson, T; Bartlett, P; Tetlock, E; Berg, AA (2020). Comparing the Assimilation of SMOS Brightness Temperatures and Soil Moisture Products on Hydrological Simulation in the Canadian Land Surface Scheme. *REMOTE SENSING*, 12(20), . 10.3390/rs12203405

Nangia, V; Gowda, PH; Mulla, DJ; Sands, GR (2010). Modeling Impacts of Tile Drain Spacing and Depth on Nitrate-Nitrogen Losses. *VADOSE ZONE JOURNAL*, 9(1), 61-72. 10.2136/vzj2008.0158

Narayana, SG; Miglior, F; Naqvi, SA; Malchiodi, F; Martin, P; Barkema, HW (2018). Genetic analysis of subclinical mastitis in early lactation of heifers using both linear and threshold models. *JOURNAL OF DAIRY SCIENCE*, 101(12), 11120-11131. 10.3168/jds.2018-15126

Narayana, SG; Schenkel, FS; Fleming, A; Koeck, A; Malchiodi, F; Jamrozik, J; Johnston, J; Sargolzaei, M; Miglior, F (2017). Genetic analysis of groups of mid-infrared predicted fatty acids in milk. *JOURNAL OF DAIRY SCIENCE*, 100(6), 4731-4744. 10.3168/jds.2016-12244

Nasielski, J; Kc, KB; Johnstone, G; Baran, E (2016). When is a fisher (not) a fisher? Factors that influence the decision to report fishing as an occupation in rural Cambodia. *FISHERIES MANAGEMENT AND ECOLOGY*, 23(6), 478-488. 10.1111/fme.12187

Natcher, DC; Brunet, ND (2020). Extractive resource industries and indigenous community-based monitoring: Cooperation or cooptation?. *EXTRACTIVE INDUSTRIES AND SOCIETY-AN INTERNATIONAL JOURNAL*, 7(4), 1279-1282. 10.1016/j.exis.2020.10.005

Navabi, A; Balasubramanian, P; Pauls, KP; Bett, K; Hou, A (2014). Genetic Diversity of the Canadian Dry Bean Varieties Released Since 1930: A Pedigree Analysis. *CROP SCIENCE*, 54(3), 993-1003. 10.2135/cropsci2013.04.0210

Naylor, BJ; Mackereth, RW; Kreutzweiser, DP; Sibley, PK (2012). Merging END concepts with protection of fish habitat and water quality in new direction for

riparian forests in Ontario: a case study of science guiding policy and practice. *FRESHWATER SCIENCE*, 31(1), 248-257. 10.1899/11-035.1

Ndiaye, C; Martinez, MM; Hamaker, BR; Campanella, OH; Ferruzzi, MG (2020). Effect of edible plant materials on provitamin A stability and bioaccessibility from extruded whole pearl millet (*P. typhoides*) composite blends. *LWT-FOOD SCIENCE AND TECHNOLOGY*, 123(), . 10.1016/j.lwt.2020.109109

Ndou, SP; Kiarie, E; Ames, N; Nyachoti, CM (2019). Flaxseed meal and oat hulls supplementation: impact on dietary fiber digestibility, and flows of fatty acids and bile acids in growing pigs. *JOURNAL OF ANIMAL SCIENCE*, 97(1), 291-301. 10.1093/jas/sky398

Ndou, SP; Kiarie, E; Walsh, MC; Ames, N; de Lange, CFM; Nyachoti, CM (2019). Interactive effects of dietary fibre and lipid types modulate gastrointestinal flows and apparent digestibility of fatty acids in growing pigs. *BRITISH JOURNAL OF NUTRITION*, 121(4), 469-480. 10.1017/S0007114518003434

Neave, HW; Lomb, J; Weary, DM; LeBlanc, SJ; Huzzey, JM; von Keyserlingk, MAG (2018). Behavioral changes before metritis diagnosis in dairy cows. *JOURNAL OF DAIRY SCIENCE*, 101(5), 4388-4399. 10.3168/jds.2017-13078

Neethirajan, S; Ragavan, KV; Weng, X (2018). Agro-defense: Biosensors for food from healthy crops and animals. *TRENDS IN FOOD SCIENCE & TECHNOLOGY*, 73(), 25-44. 10.1016/j.tifs.2017.12.005

Neijat, M; Habtewold, J; Shirley, RB; Welsher, A; Barton, J; Thiery, P; Kiarie, E (2019). *Bacillus subtilis* Strain DSM 29784 Modulates the Cecal Microbiome, Concentration of Short-Chain Fatty Acids, and Apparent Retention of Dietary Components in Shaver White Chickens during Grower, Developer, and Laying Phases. *APPLIED AND ENVIRONMENTAL MICROBIOLOGY*, 85(14), . 10.1128/AEM.00402-19

Neijat, M; Shirley, RB; Welsher, A; Barton, J; Thiery, P; Kiarie, E (2019). Growth performance, apparent retention of components, and excreta dry matter content in Shaver White pullets (5 to 16 week of age) in response to dietary supplementation of graded levels of a single strain *Bacillus subtilis* probiotic. *POULTRY SCIENCE*, 98(9), 3777-3786. 10.3382/ps/pez080

Nekouei, O; Stryhn, H; VanLeeuwen, J; Kelton, D; Hanna, P; Keefe, G (2015). Predicting within-herd prevalence of infection with bovine leukemia virus using bulk-tank milk antibody levels. *PREVENTIVE VETERINARY MEDICINE*, 122(1-2), 53-60. 10.1016/j.prevetmed.2015.10.009

Nekouei, O; VanLeeuwen, J; Sanchez, J; Kelton, D; Tiwari, A; Keefe, G (2015). Herd-level risk factors for infection with bovine leukemia virus in Canadian dairy herds.

*PREVENTIVE VETERINARY MEDICINE*, 119(3-4), 105-113.  
10.1016/j.prevetmed.2015.02.025

Nekouei, O; VanLeeuwen, J; Stryhn, H; Kelton, D; Keefe, G (2016). Lifetime effects of infection with bovine leukemia virus on longevity and milk production of dairy cows. *PREVENTIVE VETERINARY MEDICINE*, 133(), 1-9.  
10.1016/j.prevetmed.2016.09.011

Nelder, MP; Russell, CB; Clow, KM; Johnson, S; Weese, JS; Cronin, K; Ralevski, F; Jardine, CM; Patel, SN (2019). Occurrence and distribution of *Amblyomma americanum* as determined by passive surveillance in Ontario, Canada (1999-2016). *TICKS AND TICK-BORNE DISEASES*, 10(1), 146-155.  
10.1016/j.ttbdis.2018.10.001

Nelson, E; Landman, K (2020). Evaluating food hubs: Reporting on a participatory action project. *JOURNAL OF AGRICULTURE FOOD SYSTEMS AND COMMUNITY DEVELOPMENT*, 10(1), 63-81. 10.5304/jafscd.2020.101.018

Nelson, E; Tovar, LG; Rindermann, RS; Cruz, MAG (2010). Participatory organic certification in Mexico: an alternative approach to maintaining the integrity of the organic label. *AGRICULTURE AND HUMAN VALUES*, 27(2), 227-237.  
10.1007/s10460-009-9205-x

Nepal, S; Pradhananga, S; Shrestha, NK; Kralisch, S; Shrestha, JP; Fink, M (2021). Space-time variability in soil moisture droughts in the Himalayan region. *HYDROLOGY AND EARTH SYSTEM SCIENCES*, 25(4), 1761-1783. 10.5194/hess-25-1761-2021

Neta, ADF; do Nascimento, CWA; Biondi, CM; van Straaten, P; Bittar, SMB (2018). Natural concentrations and reference values for trace elements in soils of a tropical volcanic archipelago. *ENVIRONMENTAL GEOCHEMISTRY AND HEALTH*, 40(1), 163-173. 10.1007/s10653-016-9890-5

Neuenschwander, TFO; Miglior, F; Jamrozik, J; Berke, O; Kelton, DF; Schaeffer, LR (2012). Genetic parameters for producer-recorded health data in Canadian Holstein cattle. *ANIMAL*, 6(4), 571-578. 10.1017/S1751731111002059

Neufeld, HT (2017). Determinants of Indigenous Peoples' Health in Canada: Beyond the Social. *CANADIAN STUDIES IN POPULATION*, 44(1-2), 108-109.

Neufeld, HT; Richmond, CAM (2017). Impacts of Place and Social Spaces on Traditional Food Systems in Southwestern Ontario. *INTERNATIONAL JOURNAL OF INDIGENOUS HEALTH*, 12(1), 93-115. 10.18357/ijih112201716903

Newby, NC; Pearl, DL; LeBlanc, SJ; Leslie, KE; von Keyserlingk, MAG; Duffield, TF (2013). Effects of meloxicam on milk production, behavior, and feed intake in dairy cows following assisted calving. *JOURNAL OF DAIRY SCIENCE*, 96(6), 3682-3688.  
10.3168/jds.2012-6214



- Newby, NC; Pearl, DL; LeBlanc, SJ; Leslie, KE; von Keyserlingk, MAG; Duffield, TF (2013). The effect of administering ketoprofen on the physiology and behavior of dairy cows following surgery to correct a left displaced abomasum. *JOURNAL OF DAIRY SCIENCE*, 96(3), 1511-1520. 10.3168/jds.2012-5566
- Newby, NC; Tucker, CB; Pearl, DL; LeBlanc, SJ; Leslie, KE; von Keyserlingk, MAG; Duffield, TF (2013). Short communication: A comparison of 2 nonsteroidal antiinflammatory drugs following the first stage of a 2-stage fistulation surgery in dry dairy cows. *JOURNAL OF DAIRY SCIENCE*, 96(10), 6514-6519. 10.3168/jds.2013-6579
- Newmaster, SG; Thompson, ID; Steeves, RAD; Rodgers, AR; Fazekas, AJ; Maloles, JR; McMullin, RT; Fryxell, JM (2013). Examination of two new technologies to assess the diet of woodland caribou: video recorders attached to collars and DNA barcoding. *CANADIAN JOURNAL OF FOREST RESEARCH*, 43(10), 897-900. 10.1139/cjfr-2013-0108
- Ng, ESW; Schweitzer, L; Lyons, ST (2010). New Generation, Great Expectations: A Field Study of the Millennial Generation. *JOURNAL OF BUSINESS AND PSYCHOLOGY*, 25(2), 281-292. 10.1007/s10869-010-9159-4
- Ngwabie, NM; Jeppsson, KH; Nimmermark, S; Gustafsson, G (2011). EFFECTS OF ANIMAL AND CLIMATE PARAMETERS ON GAS EMISSIONS FROM A BARN FOR FATTENING PIGS. *APPLIED ENGINEERING IN AGRICULTURE*, 27(6), 1027-1037.
- Nham, EG; Pearl, DL; Slavic, D; Ouckama, R; Ojkic, D; Guerin, MT (2017). Flock-level prevalence, geographical distribution, and seasonal variation of avian reovirus among broiler flocks in Ontario. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 58(8), 828-834.
- Niazy, M; Hill, S; Nadeem, K; Ricker, N; Farzan, A (2022). Compositional analysis of the tonsil microbiota in relationship to Streptococcus suis disease in nursery pigs in Ontario. *ANIMAL MICROBIOME*, 4(1), . 10.1186/s42523-022-00162-3
- Nicholson, D (2012). Strengthening Rural Livelihoods: The impact of information and communication technologies in Asia. *INTERNATIONAL JOURNAL OF COMMUNICATION*, 6(), 381-383.
- Nicol, S; Wiederholt, R; Diffendorfer, JE; Mattsson, BJ; Thogmartin, WE; Semmens, DJ; Lopez-Hoffman, L; Norris, DR (2016). A management-oriented framework for selecting metrics used to assess habitat- and path-specific quality in spatially structured populations. *ECOLOGICAL INDICATORS*, 69(), 792-802. 10.1016/j.ecolind.2016.05.027
- Nilsson, KA; McCann, KS (2016). Interaction strength revisited-clarifying the role of energy flux for food web stability. *THEORETICAL ECOLOGY*, 9(1), 59-71. 10.1007/s12080-015-0282-8

- Nisbet, D; Kreuzweiser, D; Sibley, P; Scarr, T (2015). Ecological risks posed by emerald ash borer to riparian forest habitats: A review and problem formulation with management implications. *FOREST ECOLOGY AND MANAGEMENT*, 358(), 165-173. 10.1016/j.foreco.2015.08.030
- Nkoa, R (2014). Agricultural benefits and environmental risks of soil fertilization with anaerobic digestates: a review. *AGRONOMY FOR SUSTAINABLE DEVELOPMENT*, 34(2), 473-492. 10.1007/s13593-013-0196-z
- Noble, C; Jones, HAC; Damsgard, B; Flood, MJ; Midling, KO; Roque, A; Saether, BS; Cottee, SY (2012). Injuries and deformities in fish: their potential impacts upon aquacultural production and welfare. *FISH PHYSIOLOGY AND BIOCHEMISTRY*, 38(1), 61-83. 10.1007/s10695-011-9557-1
- Nobrega, D; Andres-Lasheras, S; Zaheer, R; McAllister, T; Homerosky, E; Anholt, RM; Dorin, C (2021). Prevalence, Risk Factors, and Antimicrobial Resistance Profile of Respiratory Pathogens Isolated From Suckling Beef Calves to Reprocessing at the Feedlot: A Longitudinal Study. *FRONTIERS IN VETERINARY SCIENCE*, 8(), . 10.3389/fvets.2021.764701
- Nobrega, DB; Calarga, AP; Nascimento, LC; Vasconcelos, CGC; de Lima, EM; Langoni, H; Brocchi, M (2021). Molecular characterization of antimicrobial resistance in *Klebsiella pneumoniae* isolated from Brazilian dairy herds. *JOURNAL OF DAIRY SCIENCE*, 104(6), 7210-7224. 10.3168/jds.2020-19569
- Nobrega, DB; Tang, KL; Caffrey, NP; De Buck, J; Cork, SC; Ronksley, PE; Polachek, AJ; Ganshorn, H; Sharma, N; Kastelic, JP; Kellner, JD; Ghali, WA; Barkema, HW (2021). Prevalence of antimicrobial resistance genes and its association with restricted antimicrobial use in food-producing animals: a systematic review and meta-analysis. *JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY*, 76(3), 561-575. 10.1093/jac/dkaa443
- Nohani, E; Moharrami, M; Sharafi, S; Khosravi, K; Pradhan, B; Pham, BT; Lee, S; Melesse, AM (2019). Landslide Susceptibility Mapping Using Different GIS-Based Bivariate Models. *WATER*, 11(7), . 10.3390/w11071402
- Norouzi, O; Taghavi, S; Arku, P; Jafarian, S; Signoretto, M; Dutta, A (2021). What is the best catalyst for biomass pyrolysis?. *JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS*, 158(), . 10.1016/j.jaap.2021.105280
- Nost, E; Robertson, M; Lave, R (2019). Q-method and the performance of subjectivity: Reflections from a survey of US stream restoration practitioners. *GEOFORUM*, 105(), 23-31. 10.1016/j.geoforum.2019.06.004
- Nowak, L; Schleuning, M; Bender, IMA; Bohning-Gaese, K; Dehling, DM; Fritz, SA; Kissling, WD; Mueller, T; Neuschulz, EL; Pigot, AL; Sorensen, MC; Donoso, I (). Avian seed dispersal may be insufficient for plants to track future temperature

change on tropical mountains. *GLOBAL ECOLOGY AND BIOGEOGRAPHY*, (), . 10.1111/geb.13456

Nowakowska, JA; Hsiang, T; Patynek, P; Sterenczak, K; Olejarski, I; Oszako, T (2020). Health Assessment and Genetic Structure of Monumental Norway Spruce Trees during A Bark Beetle (*Ips typographus*L.) Outbreak in the Bialowie(z) over dota Forest District, Poland. *FORESTS*, 11(6), . 10.3390/f11060647

Nudds, TD; Villard, MA (2011). Learning Together. *AVIAN CONSERVATION AND ECOLOGY*, 6(1), . 10.5751/ACE-00463-060108

Nunes-Silva, P; Hrcir, M; Guimaraes, JTF; Arruda, H; Costa, L; Pessin, G; Siqueira, JO; de Souza, P; Imperatriz-Fonseca, VL (2019). Applications of RFID technology on the study of bees. *INSECTES SOCIAUX*, 66(1), 15-24. 10.1007/s00040-018-0660-5

Nurse, RE; Hamill, AS; Swanton, CJ; Tardif, FJ; Sikkema, PH (2010). Weed control and yield response to mesotrione in maize (*Zea mays*). *CROP PROTECTION*, 29(7), 652-657. 10.1016/j.cropro.2010.01.010

Nurse, RE; Sikkema, PH; Robinson, DE (2011). Weed control and sweet maize (*Zea mays* L.) yield as affected by pyroxasulfone dose. *CROP PROTECTION*, 30(7), 789-793. 10.1016/j.cropro.2011.03.026

Nutrient Network; Kattge, J; Bonisch, G; Diaz, S; Lavorel, S; Prentice, IC; Leadley, P; Tautenhahn, S; Werner, GDA; Aakala, T; Abedi, M; Acosta, ATR; Adamidis, GC; Adamson, K; Aiba, M; Albert, CH; Alcantara, JM; Alcazar, CC; Aleixo, I; Ali, H; Amiaud, B; Ammer, C; Amoroso, MM; Anand, M; Anderson, C; Anten, N; Antos, J; Apgaua, DMG; Ashman, TL; Asmara, DH; Asner, GP; Aspinwall, M; Atkin, O; Aubin, I; Baastrup-Spohr, L; Bahalkeh, K; Bahn, M; Baker, T; Baker, WJ; Bakker, JP; Baldocchi, D; Baltzer, J; Banerjee, A; Baranger, A; Barlow, J; Barneche, DR; Baruch, Z; Bastianelli, D; Battles, J; Bauerle, W; Bauters, M; Bazzato, E; Beckmann, M; Beeckman, H; Beierkuhnlein, C; Bekker, R; Belfry, G; Belluau, M; Beloiu, M; Benavides, R; Benomar, L; Berdugo-Lattke, ML; Berenguer, E; Bergamin, R; Bergmann, J; Carlucci, MB; Berner, L; Bernhardt-Romermann, M; Bigler, C; Bjorkman, AD; Blackman, C; Blanco, C; Blonder, B; Blumenthal, D; Bocanegra-Gonzalez, KT; Boeckx, P; Bohlman, S; Bohning-Gaese, K; Boisvert-Marsh, L; Bond, W; Bond-Lamberty, B; Boom, A; Boonman, CCF; Bordin, K; Boughton, EH; Boukili, V; Bowman, DMJS; Bravo, S; Brendel, MR; Broadley, MR; Brown, KA; Bruelheide, H; Brumnich, F; Bruun, HH; Bruy, D; Buchanan, SW; Bucher, SF; Buchmann, N; Buitenwerf, R; Bunker, DE; Burger, J; Burrascano, S; Burslem, DFRP; Butterfield, BJ; Byun, C; Marques, M; Scalon, MC; Caccianiga, M; Cadotte, M; Cailleret, M; Camac, J; Camarero, JJ; Company, C; Campetella, G; Campos, JA; Cano-Arboleda, L; Canullo, R; Carbognani, M; Carvalho, F; Casanoves, F; Castagnyrol, B; Catford, JA; Cavender-Bares, J; Cerabolini, BEL; Cervellini, M; Chacon-Madrigal, E; Chapin, K; Chapin, FS; Chelli, S; Chen, SC; Chen, AP; Cherubini, P; Chianucci, F; Choat, B; Chung, KS; Chytry, M; Ciccarelli,

D; Coll, L; Collins, CG; Conti, L; Coomes, D; Cornelissen, JHC; Cornwell, WK; Corona, P; Coyea, M; Craine, J; Craven, D; Cromsigt, JPGM; Csecserits, A; Cufar, K; Cuntz, M; da Silva, AC; Dahlin, KM; Dainese, M; Dalke, I; Dalle Fratte, M; Anh, TDL; Danihelka, J; Dannoura, M; Dawson, S; de Beer, AJ; De Frutos, A; De Long, JR; Dechant, B; Delagrange, S; Delpierre, N; Derroire, G; Dias, AS; Diaz-Toribio, MH; Dimitrakopoulos, PG; Dobrowolski, M; Doktor, D; Drevojan, P; Dong, N; Dransfield, J; Dressler, S; Duarte, L; Ducouret, E; Dullinger, S; Durka, W; Duursma, R; Dymova, O; E-Vojtko, A; Eckstein, RL; Ejtehadi, H; Elser, J; Emilio, T; Engemann, K; Erfanian, MB; Erfmeier, A; Esquivel-Muelbert, A; Esser, G; Estiarte, M; Domingues, TF; Fagan, WF; Fagundez, J; Falster, DS; Fan, Y; Fang, JY; Farris, E; Fazlioglu, F; Feng, YH; Fernandez-Mendez, F; Ferrara, C; Ferreira, J; Fidelis, A; Finegan, B; Firn, J; Flowers, TJ; Flynn, DFB; Fontana, V; Forey, E; Forgiarini, C; Francois, L; Frangipani, M; Frank, D; Frenette-Dussault, C; Freschet, GT; Fry, EL; Fyllas, NM; Mazzochini, GG; Gachet, S; Gallagher, R; Ganade, G; Ganga, F; Garcia-Palacios, P; Gargaglione, V; Garnier, E; Garrido, JL; de Gasper, AL; Gea-Izquierdo, G; Gibson, D; Gillison, AN; Giroldo, A; Glasenhardt, MC; Gleason, S; Gliesch, M; Goldberg, E; Goldel, B; Gonzalez-Akre, E; Gonzalez-Andujar, JL; Gonzalez-Melo, A; Gonzalez-Robles, A; Graae, BJ; Granda, E; Graves, S; Green, WA; Gregor, T; Gross, N; Guerin, GR; Gunther, A; Gutierrez, AG; Haddock, L; Haines, A; Hall, J; Hambuckers, A; Han, WX; Harrison, SP; Hattingh, W; Hawes, JE; He, TH; He, PC; Heberling, JM; Helm, A; Hempel, S; Hentschel, J; Herault, B; Heres, AM; Herz, K; Heuertz, M; Hickler, T; Hietz, P; Higuchi, P; Hipp, AL; Hirons, A; Hock, M; Hogan, JA; Holl, K; Honnay, O; Hornstein, D; Hou, EQ; Hough-Snee, N; Hovstad, KA; Ichie, T; Igic, B; Illa, E; Isaac, M; Ishihara, M; Ivanov, L; Ivanova, L; Iversen, CM; Izquierdo, J; Jackson, RB; Jackson, B; Jactel, H; Jagodzinski, AM; Jandt, U; Jansen, S; Jenkins, T; Jentsch, A; Jespersen, JRP; Jiang, GF; Johansen, JL; Johnson, D; Jokela, EJ; Joly, CA; Jordan, GJ; Joseph, GS; Junaedi, D; Junker, RR; Justes, E; Kabzems, R; Kane, J; Kaplan, Z; Kattenborn, T; Kavelenova, L; Kearsley, E; Kempel, A; Kenzo, T; Kerkhoff, A; Khalil, MI; Kinlock, NL; Kissling, WD; Kitajima, K; Kitzberger, T; Kjoller, R; Klein, T; Kleyer, M; Klimesova, J; Klipel, J; Kloppel, B; Klotz, S; Knops, JMH; Kohyama, T; Koike, F; Kollmann, J; Komac, B; Komatsu, K; Konig, C; Kraft, NJB; Kramer, K; Kreft, H; Kuhn, I; Kumarathunge, D; Kuppler, J; Kurokawa, H; Kurosawa, Y; Kuyah, S; Laclau, JP; Lafleur, B; Lallai, E; Lamb, E; Lamprecht, A; Larkin, DJ; Laughlin, D; Le Bagousse-Pinguet, Y; le Maire, G; le Roux, PC; le Roux, E; Lee, T; Lens, F; Lewis, SL; Lhotsky, B; Li, YZ; Li, XE; Lichstein, JW; Liebergesell, M; Lim, JY; Lin, YS; Linares, JC; Liu, CJ; Liu, DJ; Liu, U; Livingstone, S; Llusia, J; Lohbeck, M; Lopez-Garcia, A; Lopez-Gonzalez, G; Lososova, Z; Louault, F; Lukacs, BA; Lukes, P; Luo, YJ; Lussu, M; Ma, SY; Pereira, CMR; Mack, M; Maire, V; Makela, A; Mäkinen, H; Malhado, ACM; Mallik, A; Manning, P; Manzoni, S; Marchetti, Z; Marchino, L; Marcilio-Silva, V; Marcon, E; Marignani, M; Markesteijn, L; Martin, A; Martinez-Garza, C; Martinez-Vilalta, J; Maskova, T; Mason, K; Mason, N; Massad, TJ; Masse, J; Mayrose, I; McCarthy, J; McCormack, ML; McCulloh, K; McFadden, IR; McGill, BJ; McPartland, MY; Medeiros, JS; Medlyn, B; Meerts, P; Mehrabi, Z; Meir, P; Melo, FPL; Mencuccini, M; Meredieu, C; Messier, J; Meszaros, I; Metsaranta, J; Michaletz, ST; Michelaki,

C; Migalina, S; Milla, R; Miller, JED; Minden, V; Ming, R; Mokany, K; Moles, AT; Molnar, VA; Molofsky, J; Molz, M; Montgomery, RA; Monty, A; Moravcova, L; Moreno-Martinez, A; Moretti, M; Mori, AS; Mori, S; Morris, D; Morrison, J; Mucina, L; Mueller, S; Muir, CD; Muller, SC; Munoz, F; Myers-Smith, IH; Myster, RW; Nagano, M; Naidu, S; Narayanan, A; Natesan, B; Negoita, L; Nelson, AS; Neuschulz, EL; Ni, J; Niedrist, G; Nieto, J; Niinemets, U; Nolan, R; Nottebrock, H; Nouvellon, Y; Novakovskiy, A; Nystuen, KO; O'Grady, A; O'Hara, K; O'Reilly-Nugent, A; Oakley, S; Oberhuber, W; Ohtsuka, T; Oliveira, R; Ollerer, K; Olson, ME; Onipchenko, V; Onoda, Y; Onstein, RE; Ordonez, JC; Osada, N; Ostonen, I; Ottaviani, G; Otto, S; Overbeck, GE; Ozinga, WA; Pahl, AT; Paine, CET; Pakeman, RJ; Papageorgiou, AC; Parfionova, E; Partel, M; Patacca, M; Paula, S; Paule, J; Pauli, H; Pausas, JG; Peco, B; Penuelas, J; Perea, A; Peri, PL; Petisco-Souza, AC; Petraglia, A; Petritan, AM; Phillips, OL; Pierce, S; Pillar, VD; Pisek, J; Pomogaybin, A; Poorter, H; Portsmonth, A; Poschlod, P; Potvin, C; Pounds, D; Powell, AS; Power, SA; Prinzing, A; Puglielli, G; Pysek, P; Raavel, V; Rammig, A; Ransijn, J; Ray, CA; Reich, PB; Reichstein, M; Reid, DEB; Rejou-Mechain, M; de Dios, VR; Ribeiro, S; Richardson, S; Riibak, K; Rillig, MC; Riviera, F; Robert, EMR; Roberts, S; Robroek, B; Roddy, A; Rodrigues, AV; Rogers, A; Rollinson, E; Rolo, V; Romermann, C; Ronzhina, D; Roscher, C; Rosell, JA; Rosenfield, MF; Rossi, C; Roy, DB; Royer-Tardif, S; Ruger, N; Ruiz-Peinado, R; Rumpf, SB; Rusch, GM; Ryo, M; Sack, L; Saldana, A; Salgado-Negret, B; Salguero-Gomez, R; Santa-Regina, I; Santacruz-Garcia, AC; Santos, J; Sardans, J; Schamp, B; Scherer-Lorenzen, M; Schleuning, M; Schmid, B; Schmidt, M; Schmitt, S; Schneider, JV; Schowanek, SD; Schrader, J; Schrod, F; Schuldt, B; Schurr, F; Garvizu, GS; Semchenko, M; Seymour, C; Sfair, JC; Sharpe, JM; Sheppard, CS; Sheremetiev, S; Shiodera, S; Shipley, B; Shovon, TA; Siebenkas, A; Sierra, C; Silva, V; Silva, M; Sitzia, T; Sjoman, H; Slot, M; Smith, NG; Sodhi, D; Soltis, P; Soltis, D; Somers, B; Sonnier, G; Sorensen, MV; Sosinski, EE; Soudzilovskaia, NA; Souza, AF; Spasojevic, M; Sperandii, MG; Stan, AB; Stegen, J; Steinbauer, K; Stephan, JG; Sterck, F; Stojanovic, DB; Strydom, T; Suarez, ML; Svenning, JC; Svitkova, I; Svitok, M; Svoboda, M; Swaine, E; Swenson, N; Tabarelli, M; Takagi, K; Tappeiner, U; Tarifa, R; Tauougourdeau, S; Tavsanoğlu, C; te Beest, M; Tedersoo, L; Thiffault, N; Thom, D; Thomas, E; Thompson, K; Thornton, PE; Thuiller, W; Tichy, L; Tissue, D; Tjoelker, MG; Tng, DYP; Tobias, J; Torok, P; Tarin, T; Torres-Ruiz, JM; Tothmeresz, B; Treurnicht, M; Trivellone, V; Trolliet, F; Trotsiuk, V; Tsakalos, JL; Tsiripidis, I; Tysklind, N; Umehara, T; Usoltsev, V; Vadeboncoeur, M; Vaezi, J; Valladares, F; Vamosi, J; van Bodegom, PM; van Breugel, M; Van Cleemput, E; van de Weg, M; van der Merwe, S; van der Plas, F; van der Sande, MT; van Kleunen, M; Van Meerbeek, K; Vanderwel, M; Vanselow, KA; Varhammar, A; Varone, L; Valderrama, MY; Vassilev, K; Vellend, M; Veneklaas, EJ; Verbeeck, H; Verheyen, K; Vibrans, A; Vieira, I; Villacis, J; Violle, C; Vivek, P; Wagner, K; Waldram, M; Waldron, A; Walker, AP; Waller, M; Walther, G; Wang, H; Wang, F; Wang, WQ; Watkins, H; Watkins, J; Weber, U; Weedon, JT; Wei, LP; Weigelt, P; Weiher, E; Wells, AW; Wellstein, C; Wenk, E; Westoby, M; Westwood, A; White, PJ; Whitten, M; Williams, M; Winkler, DE; Winter, K; Womack, C; Wright, IJ; Wright, SJ; Wright, J; Pinho, BX; Ximenes, F;

- Yamada, T; Yamaji, K; Yanai, R; Yankov, N; Yguel, B; Zanini, KJ; Zanne, AE; Zeleny, D; Zhao, YP; Zheng, JM; Zheng, J; Zieminska, K; Zirbel, CR; Zizka, G; Zobi, IC; Zotz, G; Wirth, C (2020). TRY plant trait database - enhanced coverage and open access. *GLOBAL CHANGE BIOLOGY*, 26(1), 119-188. 10.1111/gcb.14904
- Nwosu, A; Berke, O; Pearl, DL; Trotz-Williams, LA (2019). Exploring the geographical distribution of cryptosporidiosis in the cattle population of Southern Ontario, Canada, 2011-2014. *GEOSPATIAL HEALTH*, 14(2), 239-246. 10.4081/gh.2019.769
- O'Connor, AM; Auvermann, B; Bickett-Weddle, D; Kirkhorn, S; Sargeant, JM; Ramirez, A; Von Essen, SG (2010). The Association between Proximity to Animal Feeding Operations and Community Health: A Systematic Review. *PLOS ONE*, 5(3), . 10.1371/journal.pone.0009530
- O'Dor, R; Boustany, AM; Chittenden, CM; Costello, MJ; Moustahfid, H; Payne, J; Steinke, D; Stokesbury, MJW; Vanden Berghe, E (2012). A Census of Fishes and Everything They Eat: How the Census of Marine Life Advanced Fisheries Science. *FISHERIES*, 37(9), 398-409. 10.1080/03632415.2012.714323
- O'Reilly, KA; Lauzon, JD; Vyn, RJ; Van Eerd, LL (2012). Nitrogen cycling, profit margins and sweet corn yield under fall cover crop systems. *CANADIAN JOURNAL OF SOIL SCIENCE*, 92(2), 353-365. 10.4141/CJSS2011-065
- O'Shaughnessy, RA; Habing, GG; Gebreyes, WA; Bowman, AS; Weese, JS; Rousseau, J; Stull, JW (2019). Clostridioides difficile on Ohio swine farms (2015): A comparison of swine and human environments and assessment of on-farm risk factors. *ZOOSES AND PUBLIC HEALTH*, 66(7), 861-870. 10.1111/zph.12637
- O'Sullivan, T; Friendship, R; Blackwell, T; Pearl, D; McEwen, B; Carman, S; Slavic, D; Dewey, C (2011). Microbiological identification and analysis of swine tonsils collected from carcasses at slaughter. *CANADIAN JOURNAL OF VETERINARY RESEARCH-REVUE CANADIENNE DE RECHERCHE VETERINAIRE*, 75(2), 106-111.
- O'Sullivan, TL; Harding, JCS; Friendship, R; Henry, S; Madson, D; Schwartz, K (2014). Estimated prevalence and impact of periweaning failure to thrive syndrome in Canada and the United States. *JOURNAL OF SWINE HEALTH AND PRODUCTION*, 22(1), 24-28.
- Oelschlaegel, S; Pieper, L; Staufienbiel, R; Gruner, M; Zeippert, L; Pieper, B; Koelling-Speer, I; Speer, K (2012). Floral Markers of Cornflower (Centaurea cyanus) Honey and Its Peroxide Antibacterial Activity for an Alternative Treatment of Digital Dermatitis. *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY*, 60(47), 11811-11820. 10.1021/jf303699t

- Ogedengbe, JD; Hunter, DB; Barta, JR (2011). Molecular identification of *Eimeria* species infecting market-age meat chickens in commercial flocks in Ontario. *VETERINARY PARASITOLOGY*, 178(3-4), 350-354. 10.1016/j.vetpar.2011.01.009
- Oghenekaro, AO; Oviedo-Ludena, MA; Serajazari, M; Wang, XB; Henriquez, MA; Wenner, NG; Kuldau, GA; Navabi, A; Kutcher, HR; Fernando, WGD (2021). Population Genetic Structure and Chemotype Diversity of *Fusarium graminearum* Populations from Wheat in Canada and North Eastern United States. *TOXINS*, 13(3), . 10.3390/toxins13030180
- Ogunremi, D; Dupras, AA; Naushad, S; Gao, RM; Duceppe, MO; Omid, K; Marquez, IG; Huang, HS; Goodridge, L; Levesque, RC; Hasan, NA; Dadlani, M; Dixon, B; Magierowski, S; Masson, L (2020). A New Whole Genome Culture-Independent Diagnostic Test (WG-CIDT) for Rapid Detection of *Salmonella* in Lettuce. *FRONTIERS IN MICROBIOLOGY*, 11(), . 10.3389/fmicb.2020.00602
- Ogunsona, EO; Codou, A; Misra, M; Mohanty, AK (2019). A critical review on the fabrication processes and performance of polyamide biocomposites from a biofiller perspective. *MATERIALS TODAY SUSTAINABILITY*, 5(), . 10.1016/j.mtsust.2019.100014
- Ojkic, D; Hazlett, M; Fairles, J; Marom, A; Slavic, D; Maxie, G; Alexandersen, S; Pasick, J; Alsop, J; Burlatschenko, S (2015). The first case of porcine epidemic diarrhea in Canada. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 56(2), 149-152.
- Olefeldt, D; Persson, A; Turetsky, MR (2014). Influence of the permafrost boundary on dissolved organic matter characteristics in rivers within the Boreal and Taiga plains of western Canada. *ENVIRONMENTAL RESEARCH LETTERS*, 9(3), . 10.1088/1748-9326/9/3/035005
- Olefeldt, D; Roulet, NT (2014). Permafrost conditions in peatlands regulate magnitude, timing, and chemical composition of catchment dissolved organic carbon export. *GLOBAL CHANGE BIOLOGY*, 20(10), 3122-3136. 10.1111/gcb.12607
- Olive, A; McCune, JL (2017). Wonder, ignorance, and resistance: Landowners and the stewardship of endangered species. *JOURNAL OF RURAL STUDIES*, 49(), 13-22. 10.1016/j.jrurstud.2016.11.014
- Oliveira, GA; Schaeffer, LR; Schenkel, F; Tiezzi, F; Baes, CF (2021). Potential effects of hormonal synchronized breeding on genetic evaluations of fertility traits in dairy cattle: A simulation study. *JOURNAL OF DAIRY SCIENCE*, 104(4), 4404-4412. 10.3168/jds.2020-18944
- Oliveira, HR; Brito, LF; Miller, SP; Schenkel, FS (2020). Using Random Regression Models to Genetically Evaluate Functional Longevity Traits in North American Angus Cattle. *ANIMALS*, 10(12), . 10.3390/ani10122410

- Oliveira, HR; Lourenco, DAL; Masuda, Y; Misztal, I; Tsuruta, S; Jamrozik, J; Brito, LF; Silva, FF; Cant, JP; Schenkel, FS (2019). Single-step genome-wide association for longitudinal traits of Canadian Ayrshire, Holstein, and Jersey dairy cattle. *JOURNAL OF DAIRY SCIENCE*, 102(11), 9995-10011. 10.3168/jds.2019-16821
- Oliveira, HR; Lourenco, DAL; Masuda, Y; Misztal, I; Tsuruta, S; Jamrozik, J; Brito, LF; Silva, FF; Schenkel, FS (2019). Application of single-step genomic evaluation using multiple-trait random regression test-day models in dairy cattle. *JOURNAL OF DAIRY SCIENCE*, 102(3), 2365-2377. 10.3168/jds.2018-15466
- Oliveira, MEF; Zambrini, FN; Souza-Fabjan, JMG; Bartlewski, PM; Guimaraes, JD; Brandao, FZ; Fonseca, JF (2020). Repeated trans-cervical embryo recoveries in Santa ines ewes subjected to short- or long-term superovulatory treatment regimens. *ANIMAL REPRODUCTION SCIENCE*, 217(), . 10.1016/j.anireprosci.2020.106469
- Olpin, AJ; Dara, R; Stacey, D; Kashkoush, M (2018). Region-Based Convolutional Networks for End-to-End Detection of Agricultural Mushrooms. *IMAGE AND SIGNAL PROCESSING (ICISP 2018)*, 10884(), 319-328. 10.1007/978-3-319-94211-7\_35
- Olszowy, L; Jaffe, P; Dawson, M; Straatman, AL; Saxton, M (2021). Ontario child protection workers' views on assessing risk and planning for safety in exposure to domestic violence cases. *CHILD & FAMILY SOCIAL WORK*, 26(1), 173-182. 10.1111/cfs.12801
- Or-Rashid, MM; Fisher, R; Karrow, N; AlZahal, O; McBride, BW (2010). Fatty acid profile of colostrum and milk of ewes supplemented with fish meal and the subsequent plasma fatty acid status of their lambs. *JOURNAL OF ANIMAL SCIENCE*, 88(6), 2092-2102. 10.2527/jas.2009-1895
- Osborne, NJ; Ritskes-Hoitinga, M; Ahluwalia, A; Alam, S; Brown, M; Henderson, H; de Leeuw, W; Marsh, J; Moher, D; van Oort, E; Rawle, F; Riederer, BM; Sanchez-Morgado, J; Sena, ES; Struthers, C; Westmore, M; Avey, MT; Kalman, R; O'Connor, A; Sargeant, J; Petrie, A; Smith, A (2017). Letter to the editor - round table unites to tackle culture change in an effort to improve animal research reporting. *BMC VETERINARY RESEARCH*, 13(), . 10.1186/s12917-017-1235-9
- Owen-Going, TN; Beninger, CW; Hall, JC; Sutton, JC (2012). Infection by *Pythium aphanidermatum* increases production of phenolics in hydroponically grown peppers and predisposes healthy plants to root rot. *EUROPEAN JOURNAL OF PLANT PATHOLOGY*, 132(3), 341-352. 10.1007/s10658-011-9880-5
- Paddick, K; DeVries, T; Schwartzkopf-Genswein, K; Steele, M; Mutsvangwa, T; Penner, G (2018). Effect of the quantity of concentrate offered in an automated milking system on dry matter intake, milking frequency, milk and milk component yield,



and ruminal fermentation when provided isocaloric diets. *JOURNAL OF ANIMAL SCIENCE*, 96(), 168-168.

- Padua, FH; King, MTM; DeVries, TJ (2021). Translactational associations of dry off management, milking activity, and somatic cell count in herds with automated milking systems. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 101(2), 400-404. 10.1139/cjas-2020-0066
- Page, ER; Cerrudo, D; Westra, P; Loux, M; Smith, K; Foresman, C; Wright, H; Swanton, CJ (2012). Why Early Season Weed Control Is Important in Maize. *WEED SCIENCE*, 60(3), 423-430. 10.1614/WS-D-11-00183.1
- Page, ER; Tollenaar, M; Lee, EA; Lukens, L; Swanton, CJ (2010). Shade avoidance: an integral component of crop-weed competition. *WEED RESEARCH*, 50(4), 281-288. 10.1111/j.1365-3180.2010.00781.x
- Page, ER; Tollenaar, M; Lee, EA; Lukens, L; Swanton, CJ (2010). Timing, Effect, and Recovery from Intraspecific Competition in Maize. *AGRONOMY JOURNAL*, 102(3), 1007-1013. 10.2134/agronj2009.0397
- Pal, S; Bauch, CT; Anand, M (2021). Coupled social and land use dynamics affect dietary choice and agricultural land-use extent. *COMMUNICATIONS EARTH & ENVIRONMENT*, 2(1), . 10.1038/s43247-021-00255-y
- Palacio, S; Peignier, L; Pachoud, C; Nash, C; Adam, S; Bergeron, R; Pellerin, D; de Passille, AM; Rushen, J; Haley, D; DeVries, TJ; Vasseur, E (2017). Assessing lameness in tie-stalls using live stall lameness scoring. *JOURNAL OF DAIRY SCIENCE*, 100(8), 6577-6582. 10.3168/jds.2016-12171
- Palomino, JM; Jones, L; Vanhanen, T; Mastromonaco, GF; Busato, R; Adams, GP (2018). Alpaca embryo transfer on a private Canadian farm. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 59(6), 631-634.
- Pant, SD; Schenkel, FS; Verschoor, CP; Karrow, NA (2012). USE OF BREED-SPECIFIC SINGLE NUCLEOTIDE POLYMORPHISMS TO DISCRIMINATE BETWEEN HOLSTEIN AND JERSEY DAIRY CATTLE BREEDS. *ANIMAL BIOTECHNOLOGY*, 23(1), 1-10. 10.1080/10495398.2012.636224
- Paradis, F; Wood, K; Swanson, K; Mandell, I; Miller, S; McBride, B; Fitzsimmons, C (2012). The impact of maternal nutrition during pregnancy on fetal calf growth and muscle gene expression in beef cattle. *REPRODUCTION IN DOMESTIC ANIMALS*, 47(), 523-523.
- Pardhan-Ali, A; Wilson, J; Edge, VL; Furgal, C; Reid-Smith, R; Santos, M; McEwen, SA (2012). A descriptive analysis of notifiable gastrointestinal illness in the Northwest Territories, Canada, 1991-2008. *BMJ OPEN*, 2(4), . 10.1136/bmjopen-2011-000732

- Parenteau, IA; Stevenson, M; Kiarie, EG (2020). Egg production and quality responses to increasing isoleucine supplementation in Shaver white hens fed a low crude protein corn-soybean meal diet fortified with synthetic amino acids between 20 and 46 weeks of age. *POULTRY SCIENCE*, 99(3), 1444-1453. 10.1016/j.psj.2019.10.064
- Park, CH; Jagdhuber, T; Colliander, A; Lee, J; Berg, A; Cosh, M; Kim, SB; Kim, Y; Wulfmeyer, V (2020). Parameterization of Vegetation Scattering Albedo in the Tau-Omega Model for Soil Moisture Retrieval on Croplands. *REMOTE SENSING*, 12(18), . 10.3390/rs12182939
- Park, J; Friendship, RM; Poljak, Z; Delay, J; Slavic, D; Dewey, CE (2013). An investigation of ear necrosis in pigs. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 54(5), 491-495.
- Park, J; Friendship, RM; Poljak, Z; Weese, JS; Dewey, CE (2013). An investigation of exudative epidermitis (greasy pig disease) and antimicrobial resistance patterns of *Staphylococcus hyicus* and *Staphylococcus aureus* isolated from clinical cases. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 54(2), 139-144.
- Park, KH; Wagner-Riddle, C (2010). Methane Emission Patterns from Stored Liquid Swine Manure. *ASIAN-AUSTRALASIAN JOURNAL OF ANIMAL SCIENCES*, 23(9), 1229-1235. 10.5713/ajas.2010.90536
- Park, RM; Cramer, MC; Wagner, BK; Turner, P; Moraes, LE; Viscardi, AV; Coetzee, JF; Paris-Garcia, MD (2020). A comparison of behavioural methodologies utilised to quantify deviations in piglet behaviour associated with castration. *ANIMAL WELFARE*, 29(3), 285-292. 10.7120/09627286.29.3.285
- Parkes, MW; Poland, B; Allison, S; Cole, DC; Culbert, I; Gislason, MK; Hancock, T; Howard, C; Papadopoulos, A; Waheed, F (2020). Preparing for the future of public health: ecological determinants of health and the call for an eco-social approach to public health education. *CANADIAN JOURNAL OF PUBLIC HEALTH-REVUE CANADIENNE DE SANTE PUBLIQUE*, 111(1), 60-64. 10.17269/s41997-019-00263-8
- Parkin, G; von Bertoldi, AP; Mccoy, AJ (2013). Effect of Tillage on Soil Water Content and Temperature Under Freeze-Thaw Conditions. *VADOSE ZONE JOURNAL*, 12(1), . 10.2136/vzj2012.0075
- Parmley, EJ; Pearl, DL; Vogt, NA; Yates, S; Campbell, GD; Steiner, J; Imlay, TL; Hollamby, S; Tuininga, K; Barker, IK (2015). Factors influencing mortality in a captive breeding population of Loggerhead Shrike, Eastern subspecies (*Lanius ludovicianus* ssp.) in Canada. *BMC VETERINARY RESEARCH*, 11(), . 10.1186/s12917-015-0429-2

- Parmley, EJ; Soos, C; Breault, A; Fortin, M; Jenkins, E; Kibenge, F; King, R; McAloney, K; Pasick, J; Pryor, SP; Robinson, J; Rodrigue, J; Leighton, FA (2011). Detection of Low Pathogenic Avian Influenza Viruses in Wild Ducks from Canada: Comparison of Two Sampling Methods. *JOURNAL OF WILDLIFE DISEASES*, 47(2), 466-470. 10.7589/0090-3558-47.2.466
- Parsons, AJ; Thornley, JHM; Newton, PCD; Rasmussen, S; Rowarth, JS (2013). Soil carbon dynamics: The effects of nitrogen input, intake demand and off-take by animals. *SCIENCE OF THE TOTAL ENVIRONMENT*, 465(), 205-215. 10.1016/j.scitotenv.2013.02.019
- Parsons, SD; Steele, MA; Leslie, KE; Renaud, DL; DeVries, TJ (2020). Investigation of weaning strategy and solid feed location for dairy calves individually fed with an automated milk feeding system. *JOURNAL OF DAIRY SCIENCE*, 103(7), 6533-6556. 10.3168/jds.2019-18023
- Parsons, SD; Steele, MA; Leslie, KE; Renaud, DL; Reedman, CN; Winder, CB; DeVries, TJ (2022). Effect of a milk byproduct-based calf starter feed on dairy calf nutrient consumption, rumen development, and performance when fed different milk levels. *JOURNAL OF DAIRY SCIENCE*, 105(1), 281-300. 10.3168/jds.2021-21018
- Pascottini, OB; Bruinje, TC; Serrenho, RC; Mion, B; LeBlanc, SJ (2021). Association of metabolic markers with neutrophil function in healthy postpartum dairy cows. *VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY*, 232(), . 10.1016/j.vetimm.2020.110182
- Pascottini, OB; Caryalho, MR; Van Schyndel, SJ; Ticiani, E; Spricigo, JW; Mamedova, LK; Ribeiro, ES; LeBlanc, SJ (2019). Feed restriction to induce and meloxicam to mitigate potential systemic inflammation in dairy cows before calving. *JOURNAL OF DAIRY SCIENCE*, 102(10), 9285-9297. 10.3168/jds.2019-16558
- Pascottini, OB; Van Schyndel, SJ; Spricigo, JFW; Carvalho, MR; Mion, B; Ribeiro, ES; LeBlanc, SJ (2020). Effect of anti-inflammatory treatment on systemic inflammation, immune function, and endometrial health in postpartum dairy cows. *SCIENTIFIC REPORTS*, 10(1), . 10.1038/s41598-020-62103-x
- Pate, RT; Luchini, D; Cant, JP; Baumgard, LH; Cardoso, FC (2021). Immune and metabolic effects of rumen-protected methionine during a heat stress challenge in lactating Holstein cows. *JOURNAL OF ANIMAL SCIENCE*, 99(12), . 10.1093/jas/skab323
- Paterson, C; Cottenie, K; MacDougall, AS (2019). Restored native prairie supports abundant and species-rich native bee communities on conventional farms. *RESTORATION ECOLOGY*, 27(6), 1291-1299. 10.1111/rec.12987
- Patterson, CD; Guerin, MT (2013). The effects of climate change on avian migratory patterns and the dispersal of commercial poultry diseases in Canada - Part I.

*WORLD'S POULTRY SCIENCE JOURNAL*, 69(1), 17-25.  
10.1017/S0043933913000020

Paul, MS; Mallick, AI; Read, LR; Villanueva, AI; Parvizi, P; Abdul-Careem, MF; Nagy, E; Sharif, S (2012). Prophylactic treatment with Toll-like receptor ligands enhances host immunity to avian influenza virus in chickens. *VACCINE*, 30(30), 4524-4531. 10.1016/j.vaccine.2012.04.033

Paul, S; Dutta, A; Thimmanagari, M; Defersha, F (2019). Techno-economic assessment of corn stover for hybrid bioenergy production: A sustainable approach. *CASE STUDIES IN THERMAL ENGINEERING*, 13(), . 10.1016/j.csite.2019.100408

Payling, L; Kim, IH; Walsh, MC; Kiarie, E (2017). Effects of a multi-strain *Bacillus* spp. direct-fed microbial and a protease enzyme on growth performance, nutrient digestibility, blood characteristics, fecal microbiota, and noxious gas emissions of grower pigs fed corn-soybean-meal-based diets-A meta-an. *JOURNAL OF ANIMAL SCIENCE*, 95(9), 4018-4029. 10.2527/jas.2017.1522

Pearce, TD; Ford, JD; Prno, J; Duerden, F; Pittman, J; Beaumier, M; Berrang-Ford, L; Smit, B (2011). Climate change and mining in Canada. *MITIGATION AND ADAPTATION STRATEGIES FOR GLOBAL CHANGE*, 16(3), 347-368. 10.1007/s11027-010-9269-3

Pearce, TD; Rodriguez, EH; Fawcett, D; Ford, JD (2018). How Is Australia Adapting to Climate Change Based on a Systematic Review?. *SUSTAINABILITY*, 10(9), . 10.3390/su10093280

Pedrosa, VB; Schenkel, FS; Chen, SY; Oliveira, HR; Casey, TM; Melka, MG; Brito, LF (2021). Genomewide Association Analyses of Lactation Persistency and Milk Production Traits in Holstein Cattle Based on Imputed Whole-Genome Sequence Data. *GENES*, 12(11), . 10.3390/genes12111830

Peeters, B; Grotan, V; Gamelon, M; Veiberg, V; Lee, AM; Fryxell, JM; Albon, SD; Saether, BE; Engen, S; Loe, LE; Hansen, BB (). Harvesting can stabilise population fluctuations and buffer the impacts of extreme climatic events. *ECOLOGY LETTERS*, (), . 10.1111/ele.13963

Peixoto, MRLV; Karrow, NA; Newman, A; Widowski, TM (2020). Effects of Maternal Stress on Measures of Anxiety and Fearfulness in Different Strains of Laying Hens. *FRONTIERS IN VETERINARY SCIENCE*, 7(), . 10.3389/fvets.2020.00128

Peixoto, MRLV; Karrow, NA; Widowski, TM (2020). Effects of prenatal stress and genetics on embryonic survival and offspring growth of laying hens. *POULTRY SCIENCE*, 99(3), 1618-1627. 10.1016/j.psj.2019.10.018

Pelletier, N; Doyon, M; Muirhead, B; Widowski, T; Nurse-Gupta, J; Hunniford, M (2018). Sustainability in the Canadian Egg Industry-Learning from the Past, Navigating the Present, Planning for the Future. *SUSTAINABILITY*, 10(10), . 10.3390/su10103524

- Pelloni, A; Stengos, T; Tedesco, I (2020). Aid to agriculture, trade and structural change. *METROECONOMICA*, 71(2), 345-368. 10.1111/meca.12279
- Peng, G; Lahlali, R; Hwang, SF; Pageau, D; Hynes, RK; Mcdonald, MR; Gossen, BD; Strelkov, SE (2014). Special Issue: Crop rotation, cultivar resistance, and fungicides/biofungicides for managing clubroot (*Plasmodiophora brassicae*) on canola. *CANADIAN JOURNAL OF PLANT PATHOLOGY*, 36(), 99-112. 10.1080/07060661.2013.860398
- Peng, G; Lahlali, R; Hynes, RH; Gossen, BD; Falk, KC; Yu, F; Boyetchko, SM; McGregor, L; Pageau, D; Anderson, K; Hwang, SF; Strelkov, SE; McDonald, MR; Turkington, TK (2013). Assessment of Crop Rotation, Cultivar Resistance and *Bacillus subtilis* Biofungicide for Control of Clubroot on Canola. *VI INTERNATIONAL SYMPOSIUM ON BRASSICAS AND XVIII CRUCIFER GENETICS WORKSHOP*, 1005(), 591-598.
- Peng, G; Lahlali, R; Pageau, D; Hwang, SF; Hynes, RK; Anderson, K; Mcdonald, MR; Gossen, BD; Strelkov, SE; Turkington, TK; Yu, FQ; Falk, KC; Boyetchko, SM; Mcgregor, L; Hupka, D; Geissler, J (2013). Assessment of crop rotation and host resistance in combination with *Bacillus subtilis* for management of clubroot on canola. *CANADIAN JOURNAL OF PLANT PATHOLOGY*, 35(1), 122-122.
- Peng, G; McGregor, L; Lahlali, R; Gossen, BD; Hwang, SF; Adhikari, KK; Strelkov, SE; McDonald, MR (2011). Potential biological control of clubroot on canola and crucifer vegetable crops. *PLANT PATHOLOGY*, 60(3), 566-574. 10.1111/j.1365-3059.2010.02400.x
- Pentinsaari, M; Blagoev, GA; Hogg, ID; Levesque-Beaudin, V; Perez, K; Sobel, CN; Vandenbrink, B; Borisenko, A (2020). A DNA Barcoding Survey of an Arctic Arthropod Community: Implications for Future Monitoring. *INSECTS*, 11(1), . 10.3390/insects11010046
- Pereira, MC; Beauchemin, KA; McAllister, TA; Yang, WZ; Van Donkersgoed, J; Gibb, D; Wood, KM; Penner, GB (2021). Effect of undigested neutral detergent fiber concentration and forage inclusion rate on ruminal pH, reticular motility, and total tract permeability for finishing beef heifers. *JOURNAL OF ANIMAL SCIENCE*, 99(), 457-457.
- Perreault, ML; King, M; Gabel, C; Mushquash, CJ; De Koninck, Y; Lawson, A; Marra, C; Menard, C; Young, JZ; Illes, J (). An Indigenous Lens on Priorities for the Canadian Brain Research Strategy. *CANADIAN JOURNAL OF NEUROLOGICAL SCIENCES*, (), . 10.1017/cjn.2021.501
- Perri, AM; Poljak, Z; Dewey, C; Harding, JCS; O'Sullivan, TL (2019). Factors Associated With Time to Elimination of Porcine Epidemic Diarrhea Virus in Individual Ontario Swine Herds Based on Surveillance Data. *FRONTIERS IN VETERINARY SCIENCE*, 6(), . 10.3389/fvets.2019.00139

- Perri, AM; Poljak, Z; Dewey, C; Harding, JCS; O'Sullivan, TL (2020). A descriptive study of on-farm biosecurity and management practices during the incursion of porcine epidemic diarrhea into Canadian swine herds, 2014. *JOURNAL OF VETERINARY SCIENCE*, 21(2), . 10.4142/jvs.2020.21.e25
- Persaud, E; Levison, J; MacRitchie, S; Berg, SJ; Erler, AR; Parker, B; Sudicky, E (2020). Integrated modelling to assess climate change impacts on groundwater and surface water in the Great Lakes Basin using diverse climate forcing. *JOURNAL OF HYDROLOGY*, 584(), . 10.1016/j.jhydrol.2020.124682
- Perttula, J; Bedecarrats, GY (2012). Blindness in Smoky Joe roosters results in advanced sexual maturation. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 92(4), 483-491. 10.4141/CJAS2012-053
- Petersen, DG; Blazewicz, SJ; Firestone, M; Herman, DJ; Turetsky, M; Waldrop, M (2012). Abundance of microbial genes associated with nitrogen cycling as indices of biogeochemical process rates across a vegetation gradient in Alaska. *ENVIRONMENTAL MICROBIOLOGY*, 14(4), 993-1008. 10.1111/j.1462-2920.2011.02679.x
- Petric, A; Guzman-Novoa, E; Eberl, HJ (2017). A mathematical model for the interplay of *Nosema* infection and forager losses in honey bee colonies. *JOURNAL OF BIOLOGICAL DYNAMICS*, 11(), 348-378. 10.1080/17513758.2016.1237682
- Petukhova, T; Pearl, DL; Spinato, M; Fairles, J; Hazlett, M; Poljak, Z (2021). The impact of the initial public health response to COVID-19 on swine health surveillance in Ontario. *ONE HEALTH*, 13(), . 10.1016/j.onehlt.2021.100338
- Pfeffer, A; Stewart, G; Janovicek, K; Deen, W (2010). Evaluation of Canopy Reflectance Technology Using a Delta Yield Approach. *AGRONOMY JOURNAL*, 102(5), 1453-1461. 10.2134/agronj2010.0092
- Pickering, NK; Oddy, VH; Basarab, J; Cammack, K; Hayes, B; Hegarty, RS; Lassen, J; McEwan, JC; Miller, S; Pinares-Patino, CS; de Haas, Y (2015). Animal board invited review: genetic possibilities to reduce enteric methane emissions from ruminants. *ANIMAL*, 9(9), 1431-1440. 10.1017/S1751731115000968
- Pieper, L; Sorge, US; DeVries, T; Godkin, A; Lissemore, K; Kelton, D (2015). Comparing ELISA test-positive prevalence, risk factors and management recommendations for Johne's disease prevention between organic and conventional dairy farms in Ontario, Canada. *PREVENTIVE VETERINARY MEDICINE*, 122(1-2), 83-91. 10.1016/j.prevetmed.2015.09.004
- Pieper, L; Sorge, US; DeVries, TJ; Godkin, A; Lissemore, K; Kelton, DF (2015). Evaluation of the Johne's disease risk assessment and management plan on dairy farms in Ontario, Canada. *JOURNAL OF DAIRY SCIENCE*, 98(10), 6792-6800. 10.3168/jds.2014-8813

- Piett, S; Hager, HA; Gerrard, C (2015). Characteristics for evaluating the conservation value of species hybrids. *BIODIVERSITY AND CONSERVATION*, 24(8), 1931-1955. 10.1007/s10531-015-0919-3
- Pimchuai, A; Dutta, A; Basu, P (2010). Torrefaction of Agriculture Residue To Enhance Combustible Properties. *ENERGY & FUELS*, 24(9), 4638-4645. 10.1021/ef901168f
- Pin, JM; Misra, M; Mohanty, AK (2019). Cross-Linkable Liquid-Crystalline Biopolyesteramide as a Multifunctional Polymeric Platform Designed from Corn Oil Side-Stream Product of Bioethanol Industry. *MACROMOLECULAR RAPID COMMUNICATIONS*, 40(13), . 10.1002/marc.201900093
- Pinto, SM; MacDougall, AS (2010). Dispersal Limitation and Environmental Structure Interact to Restrict the Occupation of Optimal Habitat. *AMERICAN NATURALIST*, 175(6), 675-686. 10.1086/652467
- Plach, JM; Macrae, ML; Ali, GA; Brunke, RR; English, MC; Ferguson, G; Lam, WV; Lozier, TM; McKague, K; O'Halloran, IP; Opolko, G; Van Esbroeck, CJ (2018). Supply and Transport Limitations on Phosphorus Losses from Agricultural Fields in the Lower Great Lakes Region, Canada. *JOURNAL OF ENVIRONMENTAL QUALITY*, 47(1), 96-105. 10.2134/jeq2017.06.0234
- Plishka, M; Sargeant, JM; Greer, AL; Hookey, S; Winder, C (2021). The Prevalence of Campylobacter in Live Cattle, Turkey, Chicken, and Swine in the United States and Canada: A Systematic Review and Meta-Analysis. *FOODBORNE PATHOGENS AND DISEASE*, 18(4), 230-242. 10.1089/fpd.2020.2834
- Plummer, R; de Grosbois, D; de Loe, R; Velaniskis, J (2011). Probing the integration of land use and watershed planning in a shifting governance regime. *WATER RESOURCES RESEARCH*, 47(), . 10.1029/2010WR010213
- Polanco, A; Meagher, R; Mason, G (2021). Boredom-like exploratory responses in farmed mink reflect states that are rapidly reduced by environmental enrichment, but unrelated to stereotypic behaviour or 'lying awake'. *APPLIED ANIMAL BEHAVIOUR SCIENCE*, 238(), . 10.1016/j.applanim.2021.105323
- Poljak, Z; Dewey, CE; Martin, SW; Christensen, J; Friendship, RM (2010). Field efficacy of an inactivated bivalent influenza vaccine in a multi-site swine production system during an outbreak of systemic porcine circovirus associated disease. *CANADIAN JOURNAL OF VETERINARY RESEARCH-REVUE CANADIENNE DE RECHERCHE VETERINAIRE*, 74(2), 108-117.
- Poos, M; Dextrase, AJ; Schwalb, AN; Ackerman, JD (2010). Secondary invasion of the round goby into high diversity Great Lakes tributaries and species at risk hotspots: potential new concerns for endangered freshwater species. *BIOLOGICAL INVASIONS*, 12(5), 1269-1284. 10.1007/s10530-009-9545-x

- Popova, E; Shukla, M; Kim, HH; Saxena, PK (2021). Root cryobanking: an important tool in plant cryopreservation. *PLANT CELL TISSUE AND ORGAN CULTURE*, 144(1), 49-66. 10.1007/s11240-020-01859-6
- Popova, EV; Shukla, MR; McIntosh, T; Saxena, PK (2021). In Vitro and Cryobiotechnology Approaches to Safeguard *Lupinus rivularis* Douglas ex Lindl., an Endangered Plant in Canada. *AGRONOMY-BASEL*, 11(1), . 10.3390/agronomy11010037
- Porhemmat, J; Nakhaei, M; Dadgar, MA; Biswas, A (2018). Investigating the effects of irrigation methods on potential groundwater recharge: A case study of semiarid regions in Iran. *JOURNAL OF HYDROLOGY*, 565(), 455-466. 10.1016/j.jhydrol.2018.08.036
- Porlier, R (2011). The New Media Nation: Indigenous Peoples and Global Communication. *INTERNATIONAL JOURNAL OF COMMUNICATION*, 5(), 815-818.
- Powell, CD; Dhanoa, MS; Garber, A; Murray, JAMD; Lopez, S; Ellis, JL; France, J (2020). Models Based on the Mitscherlich Equation for Describing Typical and Atypical Gas Production Profiles Obtained from In Vitro Digestibility Studies Using Equine Faecal Inoculum. *ANIMALS*, 10(2), . 10.3390/ani10020308
- Prasath, D; El-Sharkawy, I; Sherif, S; Tiwary, KS; Jayasankar, S (2011). Cloning and characterization of PR5 gene from *Curcuma amada* and *Zingiber officinale* in response to *Ralstonia solanacearum* infection. *PLANT CELL REPORTS*, 30(10), 1799-1809. 10.1007/s00299-011-1087-x
- Preibisch, K; Grez, EE (2013). Between hearts and pockets: locating the outcomes of transnational homemaking practices among Mexican women in Canada's temporary migration programmes. *CITIZENSHIP STUDIES*, 17(6-7), 785-802. 10.1080/13621025.2013.834131
- Preibisch, KL; Grez, EE (2010). The Other Side of el Otro Lado: Mexican Migrant Women and Labor Flexibility in Canadian Agriculture. *SIGNS*, 35(2), 289-316. 10.1086/605483
- Preiss, EE; Kenney, DG; McGurrin, MKJ; Physick-Sheard, PW (2011). Influence of electrode position on cardioversion energy requirements during transvenous electrical cardioversion in horses. *AMERICAN JOURNAL OF VETERINARY RESEARCH*, 72(9), 1193-1203. 10.2460/ajvr.72.9.1193
- Prescott, JF (2019). Veterinary antimicrobial stewardship in North America. *AUSTRALIAN VETERINARY JOURNAL*, 97(7), 243-248. 10.1111/avj.12811
- Price, KR (2012). Use of live vaccines for coccidiosis control in replacement layer pullets. *JOURNAL OF APPLIED POULTRY RESEARCH*, 21(3), 679-692. 10.3382/japr.2011-00486



- Price, LB; Stegger, M; Hasman, H; Aziz, M; Larsen, J; Andersen, PS; Pearson, T; Waters, AE; Foster, JT; Schupp, J; Gillece, J; Driebe, E; Liu, CM; Springer, B; Zdovc, I; Battisti, A; Franco, A; Zmudzki, J; Schwarz, S; Butaye, P; Jouy, E; Pomba, C; Porrero, MC; Ruimy, R; Smith, TC; Robinson, DA; Weese, JS; Arriola, CS; Yu, FY; Laurent, F; Keim, P; Skov, R; Aarestrup, FM (2012). *Staphylococcus aureus* CC398: Host Adaptation and Emergence of Methicillin Resistance in Livestock. *MBIO*, 3(1), . 10.1128/mBio.00305-11
- Pringle, ES; Firth, MA; Chattha, KS; Hodgins, DC; Shewen, PE (2012). Expression of complement receptors 1 (CR1/CD35) and 2 (CR2/CD21), and co-signaling molecule CD19 in cattle. *DEVELOPMENTAL AND COMPARATIVE IMMUNOLOGY*, 38(4), 487-494. 10.1016/j.dci.2012.08.003
- Prober, SM; Leff, JW; Bates, ST; Borer, ET; Firn, J; Harpole, WS; Lind, EM; Seabloom, EW; Adler, PB; Bakker, JD; Cleland, EE; DeCrappeo, NM; DeLorenze, E; Hagenah, N; Hautier, Y; Hofmockel, KS; Kirkman, KP; Knops, JMH; La Pierre, KJ; MacDougall, AS; McCulley, RL; Mitchell, CE; Risch, AC; Schuetz, M; Stevens, CJ; Williams, RJ; Fierer, N (2015). Plant diversity predicts beta but not alpha diversity of soil microbes across grasslands worldwide. *ECOLOGY LETTERS*, 18(1), 85-95. 10.1111/ele.12381
- Prosser, RS; Hoekstra, PF; Gene, S; Truman, C; White, M; Hanson, ML (2020). A review of the effectiveness of vegetated buffers to mitigate pesticide and nutrient transport into surface waters from agricultural areas. *JOURNAL OF ENVIRONMENTAL MANAGEMENT*, 261(), . 10.1016/j.jenvman.2020.110210
- Puigserver, D; Cortes, A; Viladevall, M; Nogueras, X; Parker, BL; Carmona, JM (2014). Processes controlling the fate of chloroethenes emanating from DNAPL aged sources in river-aquifer contexts. *JOURNAL OF CONTAMINANT HYDROLOGY*, 168(), 25-40. 10.1016/j.jconhyd.2014.09.005
- Puigserver, D; Herrero, J; Parker, BL; Carmona, JM (2020). Natural attenuation of pools and plumes of carbon tetrachloride and chloroform in the transition zone to bottom aquitards and the microorganisms involved in their degradation. *SCIENCE OF THE TOTAL ENVIRONMENT*, 712(), . 10.1016/j.scitotenv.2019.135679
- Qi, J; Li, Y; Majeed, H; Goff, HD; Rahman, MRT; Zhong, F (2019). Adsorption mechanism modeling using lead (Pb) sorption data on modified rice bran-insoluble fiber as universal approach to assess other metals toxicity. *INTERNATIONAL JOURNAL OF FOOD PROPERTIES*, 22(1), 1397-1410. 10.1080/10942912.2019.1650764
- Qi, Y; Yang, WZ; Lu, B; Fu, JZ (2013). Genetic evidence for male-biased dispersal in the Qinghai toad-headed agamid *Phrynocephalus vlangalii* and its potential link to individual social interactions. *ECOLOGY AND EVOLUTION*, 3(5), 1219-1230. 10.1002/ece3.532

- Qiao, L; Wen, GN; Qi, Y; Lu, B; Hu, JH; Song, ZB; Fu, JZ (2018). Evolutionary melting pots and reproductive isolation: A ring-shaped diversification of an odorous frog (*Odorrana margaratea*) around the Sichuan Basin. *MOLECULAR ECOLOGY*, 27(23), 4888-4900. 10.1111/mec.14899
- Qiao, Y; Zaidi, M; Badiss, A; Hughes, B; Celetti, MJ; Yu, Q (2013). Intra-racial genetic variation of *Ditylenchus dipsaci* isolated from garlic in Ontario as revealed by random amplified polymorphic DNA analysis. *CANADIAN JOURNAL OF PLANT PATHOLOGY*, 35(3), 346-353. 10.1080/07060661.2013.804883
- Quarshie, PT (). Exploring the concept of place in the literature on smallholder farmers and climate change adaptation in Sub-Saharan Africa. *SOUTH AFRICAN GEOGRAPHICAL JOURNAL*, (), . 10.1080/03736245.2021.1963316
- Quarshie, PT; Abdulai, AR; Fraser, EDG (2021). Africa's "Seed" Revolution and Value Chain Constraints to Early Generation Seeds Commercialization and Adoption in Ghana. *FRONTIERS IN SUSTAINABLE FOOD SYSTEMS*, 5(), . 10.3389/fsufs.2021.665297
- Quinton, W; Berg, A; Braverman, M; Carpino, O; Chasmer, L; Connon, R; Craig, J; Devoie, E; Hayashi, M; Haynes, K; Olefeldt, D; Pietroniro, A; Rezanezhad, F; Schincariol, R; Sonnentag, O (2019). A synthesis of three decades of hydrological research at Scotty Creek, NWT, Canada. *HYDROLOGY AND EARTH SYSTEM SCIENCES*, 23(4), 2015-2039. 10.5194/hess-23-2015-2019
- Quiroz-Rocha, GF; LeBlanc, SJ; Duffield, TF; Jefferson, B; Wood, D; Leslie, KE; Jacobs, RM (2010). Effect of sampling time relative to the first daily feeding on interpretation of serum fatty acid and beta-hydroxybutyrate concentrations in dairy cattle. *JOURNAL OF DAIRY SCIENCE*, 93(5), 2030-2033. 10.3168/jds.2009-2141
- Racicot, M; Zanabria, R; Paradis, ME; Gaucher, ML; Arsenault, J; Leroux, A; Letellier, A; Tiwari, A; Griffiths, M; Charlebois, S; Holley, R; Gill, T; Quessy, S (2019). Identification of risk factors to be considered for food establishments' risk assessment models. *MICROBIAL RISK ANALYSIS*, 11(), 1-10. 10.1016/j.mran.2018.01.004
- Radomil, L; Pettitt, MJ; Merckies, KM; Hickey, KD; Buhr, MM (2011). Stress and Dietary Factors Modify Boar Sperm for Processing. *REPRODUCTION IN DOMESTIC ANIMALS*, 46(), 39-44. 10.1111/j.1439-0531.2011.01865.x
- Raggio, G; Tucker, AL; Mongeon, M; Bergeron, R; Berthiaume, R (2010). Effect of cutting management (PM vs. AM) and maceration on forage total nonstructural carbohydrates concentration and cattle preference.. *JOURNAL OF DAIRY SCIENCE*, 93(), 628-628.

- Rahemi, A; Dale, A; Fisher, H; Taghavi, T; Bonnycastle, A; Kelly, J (2016). A report on *Vitis riparia* in Ontario, Canada. *I INTERNATIONAL SYMPOSIUM ON GRAPEVINE ROOTS*, 1136(), 33-37. 10.17660/ActaHortic.2016.1136.5
- Raherison, E; Majidi, MM; Goessen, R; Hughes, N; Cuthbert, R; Knox, R; Lukens, L (2020). Evidence for the Accumulation of Nonsynonymous Mutations and Favorable Pleiotropic Alleles During Wheat Breeding. *G3-GENES GENOMES GENETICS*, 10(11), 4001-4011. 10.1534/g3.120.401269
- Rahman, HMT; Po, JYT; Saint Ville, AS; Brunet, ND; Clare, SM; Darling, S; Pigford, AAE; Mostafa, KN; Hickey, GM (2019). Legitimacy of Different Knowledge Types in Natural Resource Governance and Their Functions in Inter-Institutional Gaps. *SOCIETY & NATURAL RESOURCES*, 32(12), 1344-1363. 10.1080/08941920.2019.1658140
- Rajsic, P; Fox, G (2019). THE CHALLENGES FACING EVIDENCE-BASED POLICY MAKING IN CANADIAN AGRICULTURE. *AUSTRIAN ECONOMICS: THE NEXT GENERATION*, 23(), 177-195. 10.1108/S1529-213420180000023014
- Rakhshandeh, A; de Lange, CFM; Htoo, JK; Gheisari, A; Rakhshandeh, AR (2019). Immune system stimulation increases the plasma cysteine flux and whole-body glutathione synthesis rate in starter pigs. *JOURNAL OF ANIMAL SCIENCE*, 97(9), 3871-3881. 10.1093/jas/skz211
- Rakhshandeh, A; de Lange, CFM; Htoo, JK; Rakhshandeh, AR (2020). Immune system stimulation increases the irreversible loss of cysteine to taurine, but not sulfate, in starter pigs. *JOURNAL OF ANIMAL SCIENCE*, 98(1), . 10.1093/jas/skaa001
- Ramirez, HRM; Kramer, JKG; de Lange, CFM (2010). Whole body retention of highly unsaturated n-3 fatty acids (HUFA) and apparent conversion from 18:3n-3 are independent of body weight in pigs fed flaxseed diets. *JOURNAL OF DAIRY SCIENCE*, 93(), 212-212.
- Ramnarine, R; Voroney, RP; Wagner-Riddle, C; Dunfield, KE (2015). Conventional and No-Tillage Effects on the Distribution of Crop Residues and Light Fraction Organic Matter. *SOIL SCIENCE SOCIETY OF AMERICA JOURNAL*, 79(1), 74-80. 10.2136/sssaj2014.05.0182
- Ramsahoi, L; Gao, A; Fabri, M; Odumeru, JA (2011). Assessment of the application of an automated electronic milk analyzer for the enumeration of total bacteria in raw goat milk. *JOURNAL OF DAIRY SCIENCE*, 94(7), 3279-3287. 10.3168/jds.2010-4102
- Raponi, M; Beresford, DV; Schaefer, JA; Thompson, ID; Wiebe, PA; Rodgers, AR; Fryxell, JM (2018). Biting Flies and Activity of Caribou in the Boreal Forest. *JOURNAL OF WILDLIFE MANAGEMENT*, 82(4), 833-839. 10.1002/jwmg.21427

- Rappaport, AI; Whitfield, KC; Chapman, GE; Yada, RY; Kheang, KM; Louise, J; Summerlee, AJ; Armstrong, GR; Green, TJ (2017). Randomized controlled trial assessing the efficacy of a reusable fish-shaped iron ingot to increase hemoglobin concentration in anemic, rural Cambodian women. *AMERICAN JOURNAL OF CLINICAL NUTRITION*, 106(2), 667-674. 10.3945/ajcn.117.152785
- Raschkowan, A; Thomas, MK; Tataryn, J; Finley, R; Pintar, K; Nesbitt, A (2018). Measuring animal exposure in Canada: Foodbook study, 2014-2015. *ZOOZOSES AND PUBLIC HEALTH*, 65(7), 859-872. 10.1111/zph.12510
- Ratanapob, N; VanLeeuwen, J; McKenna, S; Wichtel, M; Stryhn, H; Rodriguez-Lecompte, JC; Menzies, P; Wichtel, J (2020). Management factors associated with perinatal lamb mortality in Prince Edward Island flocks. *PREVENTIVE VETERINARY MEDICINE*, 180(), . 10.1016/j.prevetmed.2020.105035
- Read, KD; Lemay, MA; Acheson, S; Boulding, EG (2012). Using molecular pedigree reconstruction to evaluate the long-term survival of outplanted hatchery-reared larval and juvenile northern abalone (*Haliotis kamtschatkana*). *CONSERVATION GENETICS*, 13(3), 801-810. 10.1007/s10592-012-0330-5
- Reddy, MM; Misra, M; Mohanty, AK (2012). Bio-Based Materials in the New Bio-Economy. *CHEMICAL ENGINEERING PROGRESS*, 108(5), 37-42.
- Reddy, MM; Mohanty, AK; Misra, M (2012). Biodegradable Blends From Plasticized Soy Meal, Polycaprolactone, and Poly(butylene succinate). *MACROMOLECULAR MATERIALS AND ENGINEERING*, 297(5), 455-463. 10.1002/mame.201100203
- Reddy, MM; Mohanty, AK; Misra, M (2012). Optimization of tensile properties thermoplastic blends from soy and biodegradable polyesters: Taguchi design of experiments approach. *JOURNAL OF MATERIALS SCIENCE*, 47(6), 2591-2599. 10.1007/s10853-011-6083-6
- Reed, G; Brunet, ND; Natcher, DC (2020). Can indigenous community-based monitoring act as a tool for sustainable self-determination?. *EXTRACTIVE INDUSTRIES AND SOCIETY-AN INTERNATIONAL JOURNAL*, 7(4), . 10.1016/j.exis.2020.04.006
- Reed, G; Dagli, W; Odame, HH (2020). Co-production of knowledge for sustainability: an application of reflective practice in doctoral studies. *REFLECTIVE PRACTICE*, 21(2), 222-236. 10.1080/14623943.2020.1733954
- Regan, MD; Turko, AJ; Heras, J; Andersen, MK; Lefevre, S; Wang, T; Bayley, M; Brauner, CJ; Huong, DTT; Phuong, NT; Nilsson, GE (2016). Ambient CO<sub>2</sub>, fish behaviour and altered GABAergic neurotransmission: exploring the mechanism of CO<sub>2</sub>-altered behaviour by taking a hypercapnia dweller down to low CO<sub>2</sub> levels. *JOURNAL OF EXPERIMENTAL BIOLOGY*, 219(1), 109-118. 10.1242/jeb.131375

- Reich, MS; Flockhart, DTT; Norris, DR; Hu, LH; Bataille, CP (2021). Continuous-surface geographic assignment of migratory animals using strontium isotopes: A case study with monarch butterflies. *METHODS IN ECOLOGY AND EVOLUTION*, 12(12), 2445-2457. 10.1111/2041-210X.13707
- Reid, TA; Yang, RC; Salmon, DF; Navabi, A; Spaner, D (2011). Realized gains from selection for spring wheat grain yield are different in conventional and organically managed systems. *EUPHYTICA*, 177(2), 253-266. 10.1007/s10681-010-0257-1
- Reighard, GL; Beckman, T; Belding, R; Black, B; Byers, P; Cline, J; Cowgill, W; Godin, R; Johnson, RS; Kamas, J; Kaps, M; Larsen, H; Lindstrom, T; Newell, M; Ouellette, D; Pokharel, R; Stein, L; Taylor, K; Walsh, C; Ward, D; Whiting, M (2011). Six-Year Performance of 14 Prunus Rootstocks at 11 Sites in the 2001 NC-140 Peach Trial. *JOURNAL OF THE AMERICAN POMOLOGICAL SOCIETY*, 65(1), 26-41.
- Reighard, GL; Beckman, TG; Belding, R; Black, BL; Cline, J; Cowgill, W; Godin, R; Johnson, RS; Kamas, J; Kaps, M; Larsen, H; Lindstrom, T; Ouellette, D; Pokharel, R; Stein, L; Taylor, K; Walsh, CS; Ward, D; Whiting, MD (2011). Performance of Prunus Rootstocks in the 2001 NC-140 Peach Trial. *IX INTERNATIONAL SYMPOSIUM ON INTEGRATING CANOPY, ROOTSTOCK AND ENVIRONMENTAL PHYSIOLOGY IN ORCHARD SYSTEMS*, 903(), 463-468. 10.17660/ActaHortic.2011.903.63
- Reimann, J; McWhirter, JE; Papadopoulos, A; Bergeron, K; Flynn, S; Marrett, L; Tenkate, T; Rosen, CF; Dewey, C (2019). A Process Evaluation of the Skin Cancer Prevention Act (Tanning Beds): A Survey of Ontario Public Health Units. *JOURNAL OF COMMUNITY HEALTH*, 44(4), 675-683. 10.1007/s10900-019-00658-1
- Reinprecht, Y; Schram, L; Smith, TH; Pauls, KP (2020). Enhancing In-crop Diversity in Common Bean by Planting Cultivar Mixtures and Its Effect on Productivity. *FRONTIERS IN SUSTAINABLE FOOD SYSTEMS*, 4(), . 10.3389/fsufs.2020.00126
- Ren, D; Yang, SX (2016). Intelligent Automation with Applications to Agriculture. *INTELLIGENT AUTOMATION AND SOFT COMPUTING*, 22(2), 227-228. 10.1080/10798587.2015.1095473
- Ren, D; Zhao, CJ; Yang, SX (2013). INTELLIGENT INFORMATION TECHNOLOGY IN AGRICULTURE. *INTELLIGENT AUTOMATION AND SOFT COMPUTING*, 19(3), 227-229. 10.1080/10798587.2013.823710
- Ren, W; Banger, K; Tao, B; Yang, J; Huang, YW; Tian, HQ (2020). Global pattern and change of cropland soil organic carbon during 1901-2010: Roles of climate, atmospheric chemistry, land use and management. *GEOGRAPHY AND SUSTAINABILITY*, 1(1), 59-69. 10.1016/j.geosus.2020.03.001
- Renaud, DL; Dhuyvetter, KC; LeBlanc, SJ; Kelton, DF; Duffield, TF; Overton, MW (2019). Effect of health status upon arrival at a single milk-fed veal facility on

- breakeven purchase price of calves. *JOURNAL OF DAIRY SCIENCE*, 102(9), 8441-8453. 10.3168/jds.2018-15587
- Renaud, DL; Kelton, DF; LeBlanc, SJ; Haley, DB; Duffield, TF (2018). Calf management risk factors on dairy farms associated with male calf mortality on veal farms. *JOURNAL OF DAIRY SCIENCE*, 101(2), 1785-1794. 10.3168/jds.2017-13578
- Renaud, DL; Overton, MW; Kelton, DF; LeBlanc, SJ; Dhuyvetter, KC; Duffield, TF (2018). Effect of health status evaluated at arrival on growth in milk-fed veal calves: A prospective single cohort study. *JOURNAL OF DAIRY SCIENCE*, 101(11), 10383-10390. 10.3168/jds.2018-14960
- Renaud, DL; Rot, C; Marshall, J; Steele, MA (2021). The effect of *Cryptosporidium parvum*, rotavirus, and coronavirus infection on the health and performance of male dairy calves. *JOURNAL OF DAIRY SCIENCE*, 104(2), 2151-2163. 10.3168/jds.2020-19215
- Renaud, DL; Steele, MA; Genore, R; Roche, SM; Winder, CB (2020). Passive immunity and colostrum management practices on Ontario dairy farms and auction facilities: A cross-sectional study. *JOURNAL OF DAIRY SCIENCE*, 103(9), 8369-8377. 10.3168/jds.2020-18572
- Renkema, JM; Buitenhuis, R; Hallett, RH (2014). Optimizing Trap Design and Trapping Protocols for *Drosophila suzukii* (Diptera: Drosophilidae). *JOURNAL OF ECONOMIC ENTOMOLOGY*, 107(6), 2107-2118. 10.1603/EC14254
- Renkema, JM; Difonzo, CD; Smith, JL; Schaafsma, AW (2015). Effect of European Chafer Larvae (Coleoptera: Scarabaeidae) on Winter Wheat and Role of Neonicotinoid Seed Treatments in Their Management. *JOURNAL OF ECONOMIC ENTOMOLOGY*, 108(2), 566-575. 10.1093/jee/tov002
- Renkema, JM; Frewin, A; Hallett, RH (2020). Effects of interplanting peppermint (Lamiaceae) in strawberry (Rosaceae) on *Drosophila suzukii* (Diptera: Drosophilidae) and seed-feeding pests (Hemiptera: Lygaeidae, Miridae, Rhyparochromidae). *CANADIAN ENTOMOLOGIST*, 152(4), 575-586. 10.4039/tce.2020.34
- Renwick, LLR; Deen, W; Silva, L; Gilbert, ME; Maxwell, T; Bowles, TM; Gaudin, ACM (2021). Long-term crop rotation diversification enhances maize drought resistance through soil organic matter. *ENVIRONMENTAL RESEARCH LETTERS*, 16(8), . 10.1088/1748-9326/ac1468
- Rewicz, T; Brodecki, J; Bacela-Spychalska, K; Konopacka, A; Grabowski, M (2020). Further steps of *Cryptorchestia garbinii* invasion in Polish inland waters with insights into its molecular diversity in Central and Western Europe. *KNOWLEDGE AND MANAGEMENT OF AQUATIC ECOSYSTEMS*, (421), . 10.1051/kmae/2020009
- Reyher, KK; Dufour, S; Barkema, HW; Des Coteaux, L; DeVries, TJ; Dohoo, IR; Keefe, GP; Roy, JP; Scholl, DT (2011). The National Cohort of Dairy Farms-A data

collection platform for mastitis research in Canada. *JOURNAL OF DAIRY SCIENCE*, 94(3), 1616-1626. 10.3168/jds.2010-3180

Rho, Y; Wey, D; Zhu, CL; Kiarie, E; Moran, K; van Heugten, E; de Lange, CFM (2018). Growth performance, gastrointestinal and digestibility responses in growing pigs when fed corn-soybean meal-based diets with corn DDGS treated with fiber degrading enzymes with or without liquid fermentation. *JOURNAL OF ANIMAL SCIENCE*, 96(12), 5188-5197. 10.1093/jas/sky369

Richardson, CM; Baes, CF; Amer, PR; Quinton, C; Martin, P; Osborne, VR; Pryce, JE; Miglior, F (2020). Determining the economic value of daily dry matter intake and associated methane emissions in dairy cattle. *ANIMAL*, 14(1), 171-179. 10.1017/S175173111900154X

Richardson, CM; Nguyen, TTT; Abdelsayed, M; Moate, PJ; Williams, SRO; Chud, TCS; Schenkel, FS; Goddard, ME; van den Berg, I; Cocks, BG; Marett, LC; Wales, WJ; Pryce, JE (2021). Genetic parameters for methane emission traits in Australian dairy cows. *JOURNAL OF DAIRY SCIENCE*, 104(1), 539-549. 10.3168/jds.2020-18565

Ricker, N; Spoja, BS; May, N; Chalmers, G (2021). Incorporating the plasmidome into antibiotic resistance surveillance in animal agriculture. *PLASMID*, 113(), . 10.1016/j.plasmid.2020.102529

Riekerink, RGMO; Barkema, HW; Scholl, DT; Poole, DE; Kelton, DF (2010). Management practices associated with the bulk-milk prevalence of *Staphylococcus aureus* in Canadian dairy farms. *PREVENTIVE VETERINARY MEDICINE*, 97(1), 20-28. 10.1016/j.prevetmed.2010.07.002

Rigolet Inuit Community Govt; Harper, SL; Edge, VL; Willox, AC (2012). 'Changing Climate, Changing Health, Changing Stories' Profile: Using an EcoHealth Approach to Explore Impacts of Climate Change on Inuit Health. *ECOHEALTH*, 9(1), 89-101. 10.1007/s10393-012-0762-x

Rigolet Inuit Community Govt; Nunatsiavut Govt; IHACC Res Team; Saini, M; Roche, S; Papadopoulos, A; Markwick, N; Shiwak, I; Flowers, C; Wood, M; Edge, VL; Ford, J; Wright, C; Harper, SL (2020). Promoting Inuit health through a participatory whiteboard video. *CANADIAN JOURNAL OF PUBLIC HEALTH-REVUE CANADIENNE DE SANTE PUBLIQUE*, 111(1), 50-59. 10.17269/s41997-019-00189-1

Ringgenberg, N; Bergeron, R; Devillers, N (2010). Validation of accelerometers to automatically record sow postures and stepping behaviour. *APPLIED ANIMAL BEHAVIOUR SCIENCE*, 128(1-4), 37-44. 10.1016/j.applanim.2010.09.018

Risk, N; Wagner-Riddle, C; Furon, A; Warland, J; Blodau, C (2014). Comparison of Simultaneous Soil Profile N<sub>2</sub>O Concentration and Surface N<sub>2</sub>O Flux Measurements

Overwinter and at Spring Thaw in an Agricultural Soil. *SOIL SCIENCE SOCIETY OF AMERICA JOURNAL*, 78(1), 180-193. 10.2136/sssaj2013.06.0221

- Ritter, C; Jansen, J; Roche, S; Kelton, DF; Adams, CL; Orsel, K; Erskine, RJ; Benedictus, G; Lam, TJGM; Barkema, HW (2017). Determinants of farmers' adoption of management-based strategies for infectious disease prevention and control. *JOURNAL OF DAIRY SCIENCE*, 100(5), 3329-3347. 10.3168/jds.2016-11977
- Ritter, C; Kwong, GPS; Wolf, R; Pickel, C; Slomp, M; Flaig, J; Mason, S; Adams, CL; Kelton, DF; Jansen, J; De Buck, J; Barkema, HW (2015). Factors associated with participation of Alberta dairy farmers in a voluntary, management-based Johne's disease control program. *JOURNAL OF DAIRY SCIENCE*, 98(11), 7831-7845. 10.3168/jds.2015-9789
- Rivas, DF; Boffito, DC; Faria-Albanese, J; Glassey, J; Cantin, J; Afraz, N; Akse, H; Boodhoo, KVK; Bos, R; Chiang, YW; Commenge, JM; Dubois, JL; Galli, F; Harmsen, J; Kalra, S; Keil, F; Morales-Menendez, R; Navarro-Brull, FJ; Noel, T; Ogden, K; Patience, GS; Reay, D; Santos, RM; Smith-Schoettker, A; Stankiewicz, AI; van den Berg, H; van Gerven, T; van Gestel, J; Weber, RS (2020). Process intensification education contributes to sustainable development goals. Part 2. *EDUCATION FOR CHEMICAL ENGINEERS*, 32(), 15-24. 10.1016/j.ece.2020.05.001
- Rizk, AA; Acharya, N; Elzawy, M; Hana, K; Elzawy, G (2021). An analysis of medical education suggestions and interventions during the COVID-19 pandemic: A literature review. *UNIVERSITY OF TORONTO MEDICAL JOURNAL*, 98(3), 78-87.
- Rizvi, S; Pagnutti, C; Fraser, E; Bauch, CT; Anand, M (2018). Global land use implications of dietary trends. *PLOS ONE*, 13(8), . 10.1371/journal.pone.0200781
- Roasa, J; De Villa, R; Mine, Y; Tsao, R (2021). Phenolics of cereal, pulse and oilseed processing by-products and potential effects of solid-state fermentation on their bioaccessibility, bioavailability and health benefits: A review. *TRENDS IN FOOD SCIENCE & TECHNOLOGY*, 116(), 954-974. 10.1016/j.tifs.2021.08.027
- Rober, AR; McCann, KS; Turetsky, MR; Wyatt, KH (). Cascading effects of predators on algal size structure. *JOURNAL OF PHYCOLOGY*, (), . 10.1111/jpy.13235
- Rober, AR; Wyatt, KH; Turetsky, MR; Stevenson, RJ (2013). Algal community response to experimental and interannual variation in hydrology in an Alaskan boreal fen. *FRESHWATER SCIENCE*, 32(1), 1-11. 10.1899/11-131.1
- Roberts, T; Chapinal, N; LeBlanc, SJ; Kelton, DF; Dubuc, J; Duffield, TF (2012). Metabolic parameters in transition cows as indicators for early-lactation culling risk. *JOURNAL OF DAIRY SCIENCE*, 95(6), 3057-3063. 10.3168/jds.2011-4937



- Robertson, B; Hall, K; Nistor, I; Zytner, R; Storlazzi, C (2015). Remote Sensing of Irregular Breaking Wave Parameters in Field Conditions. *JOURNAL OF COASTAL RESEARCH*, 31(2), 348-363. 10.2112/JCOASTRES-D-13-00006.1
- Robichaud, MV; Pearl, DL; Godden, SM; LeBlanc, SJ; Haley, DB (2017). Systematic early obstetrical assistance at calving: I. Effects on dairy calf stillbirth, vigor, and passive immunity transfer. *JOURNAL OF DAIRY SCIENCE*, 100(1), 691-702. 10.3168/jds.2016-11213
- Robichaud, MV; Pearl, DL; Godden, SM; Rushen, J; LeBlanc, SJ; Haley, DB (2017). Systematic early obstetrical assistance at calving: II Effects on dairy heifer calf growth, health, and survival to weaning. *JOURNAL OF DAIRY SCIENCE*, 100(1), 703-712. 10.3168/jds.2016-11214
- Robichaud, MV; Rushen, J; de Passille, AM; Vasseur, E; Haley, DB; Pellerin, D (2018). Is the profitability of Canadian tiestall farms associated with their performance on an animal welfare assessment?. *JOURNAL OF DAIRY SCIENCE*, 101(3), 2359-2369. 10.3168/jds.2017-13316
- Robillard, MM; McLaughlin, RL; Mackereth, RW (2011). Diversity in Habitat Use and Trophic Ecology of Brook Trout in Lake Superior and Tributary Streams Revealed Through Stable Isotopes. *TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY*, 140(4), 943-953. 10.1080/00028487.2011.601219
- Robinson, BW; Pfennig, DW (2013). Inducible competitors and adaptive diversification. *CURRENT ZOOLOGY*, 59(4), 537-552. 10.1093/czoolo/59.4.537
- Robinson, CV; Baird, DJ; Wright, MTG; Porter, TM; Hartwig, K; Hendriks, E; Maclean, L; Mallinson, R; Monk, WA; Paquette, C; Hajibabaei, M (2021). Combining DNA and people power for healthy rivers: Implementing the STREAM community-based approach for global freshwater monitoring. *PERSPECTIVES IN ECOLOGY AND CONSERVATION*, 19(3), 279-285. 10.1016/j.pecon.2021.03.001
- Robinson, CV; Robinson, JM (2021). Listen but do not touch: using a smartphone acoustic device to investigate bat activity, with implications for community-based monitoring. *ACTA CHIROPTEROLOGICA*, 23(1), 247-258. 10.3161/15081109ACC2021.23.1.021
- Robinson, EA; Ryan, GD; Newman, JA (2012). A meta-analytical review of the effects of elevated CO<sub>2</sub> on plant-arthropod interactions highlights the importance of interacting environmental and biological variables. *NEW PHYTOLOGIST*, 194(2), 321-336. 10.1111/j.1469-8137.2012.04074.x
- Robinson, SA; Chlebak, RJ; Young, SD; Dalton, RL; Gavel, MJ; Prosser, RS; Bartlett, AJ; de Solla, SR (2021). Clothianidin alters leukocyte profiles and elevates measures of oxidative stress in tadpoles of the amphibian, *Rana pipiens*. *ENVIRONMENTAL POLLUTION*, 284(), . 10.1016/j.envpol.2021.117149

- Robles, I; Kelton, DF; Barkema, HW; Keefe, GP; Roy, JP; von Keyserlingk, MAG; DeVries, TJ (2020). Bacterial concentrations in bedding and their association with dairy cow hygiene and milk quality. *ANIMAL*, 14(5), 1052-1066. 10.1017/S1751731119002787
- Robles, I; Zambelis, A; Kelton, DF; Barkema, HW; Keefe, GP; Roy, JP; von Keyserlingk, MAG; DeVries, TJ (2021). Associations of freestall design and cleanliness with cow lying behavior, hygiene, lameness, and risk of high somatic cell count. *JOURNAL OF DAIRY SCIENCE*, 104(2), 2231-2242. 10.3168/jds.2020-18916
- Roche, SM; Jones-Bitton, A; Meehan, M; Von Massow, M; Kelton, DF (2015). Evaluating the effect of Focus Farms on Ontario dairy producers' knowledge, attitudes, and behavior toward control of Johne's disease. *JOURNAL OF DAIRY SCIENCE*, 98(8), 5222-5240. 10.3168/jds.2014-8765
- Roche, SM; Renaud, DL; Genore, R; Shock, DA; Bauman, C; Croyle, S; Barkema, HW; Dubuc, J; Keefe, GP; Kelton, DF (2020). Canadian National Dairy Study: Describing Canadian dairy producer practices and perceptions surrounding cull cow management. *JOURNAL OF DAIRY SCIENCE*, 103(4), 3414-3421. 10.3168/jds.2019-17390
- Rodgers, RF; Watts, AW; Austin, SB; Haines, J; Neumark-Sztainer, D (2017). Disordered eating in ethnic minority adolescents with overweight. *INTERNATIONAL JOURNAL OF EATING DISORDERS*, 50(6), 665-671. 10.1002/eat.22652
- Rodrigues, ES; Montanha, GS; de Almeida, E; Fantucci, H; Santos, RM; de Carvalho, HWP (2021). Effect of nano cerium oxide on soybean (*Glycine max* L. Merrill) crop exposed to environmentally relevant concentrations. *CHEMOSPHERE*, 273(), . 10.1016/j.chemosphere.2020.128492
- Rodrigues, L; Amezcua, R; Cassar, G; O'Sullivan, T; Friendship, R (2020). Comparison of single, fixed-time artificial insemination in weaned sows using 2 different protocols to synchronize ovulation. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 61(1), 53-56.
- Rodriguez-Gil, JL; Prosser, RS; Duke, SO; Solomon, KR (2021). Ecotoxicology of Glyphosate, Its Formulants, and Environmental Degradation Products. *REVIEWS OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, VOL 255: GLYPHOSATE*, 255(), 129-205. 10.1007/398\_2020\_5610.1007/978-3-030-68483-9
- Rodriguez, MGK; Santos, VJC; Uscategui, RAR; Mariano, RSG; Simoes, APR; da Silva, PD; Maronezi, MC; Padilha-Nakaghi, LC; Avante, ML; Bartlewski, PM; Feliciano, MAR (2020). Maternal and fetal ultrasonographic characteristics, vulvar temperature, and vaginal mucous impedance as variables associated with the onset of parturition in term and induced pre-term ewes. *ANIMAL REPRODUCTION SCIENCE*, 223(), . 10.1016/j.anireprosci.2020.106647

- Rogers, AR; Dunne, JC; Romay, C; Bohn, M; Buckler, ES; Ciampitti, IA; Edwards, J; Ertl, D; Flint-Garcia, S; Gore, MA; Graham, C; Hirsch, CN; Hood, E; Hooker, DC; Knoll, J; Lee, EC; Lorenz, A; Lynch, JP; McKay, J; Moose, SP; Murray, SC; Nelson, R; Rocheford, T; Schnable, JC; Schnable, PS; Sekhon, R; Singh, M; Smith, M; Springer, N; Thelen, K; Thomison, P; Thompson, A; Tuinstra, M; Wallace, J; Wisser, RJ; Xu, WW; Gilmour, AR; Kaeppler, SM; De Leon, N; Holland, JB (2021). The importance of dominance and genotype-by-environment interactions on grain yield variation in a large-scale public cooperative maize experiment. *G3-GENES GENOMES GENETICS*, 11(2), . 10.1093/g3journal/jkaa050
- Rohacek, J; Marshall, SA (2017). Volumosina, a new Nearctic genus for the rare old-growth forest fly *Herniosina voluminosa* Marshall (Diptera: Sphaeroceridae). *CANADIAN ENTOMOLOGIST*, 149(4), 444-460. 10.4039/tce.2017.21
- Rohatynskyj, M (2017). Modern Omie Women: Virtual Indigeneity and Intimations of Empowerment. *OCEANIA*, 87(3), 282-297. 10.1002/ocea.5167
- Rokouei, M; Torshizi, RV; Shahrbabak, MM; Sargolzaei, M; Sorensen, AC (2010). Monitoring inbreeding trends and inbreeding depression for economically important traits of Holstein cattle in Iran. *JOURNAL OF DAIRY SCIENCE*, 93(7), 3294-3302. 10.3168/jds.2009-2748
- Rollinson, N; Farmer, RG; Brooks, RJ (2012). Widespread reproductive variation in North American turtles: temperature, egg size and optimality. *ZOOLOGY*, 115(3), 160-169. 10.1016/j.zool.2011.10.005
- Rondeau, S; Stricker, SM; Kozachenko, C; Parizeau, K (2020). Understanding Motivations for Volunteering in Food Insecurity and Food Upcycling Projects. *SOCIAL SCIENCES-BASEL*, 9(3), . 10.3390/socsci9030027
- Rosadiuk, JP; Bruinje, TC; Moslemipur, F; Fischer-Tlustos, AJ; Renaud, DL; Ambrose, DJ; Steele, MA (2021). Differing planes of pre- and postweaning phase nutrition in Holstein heifers: I. Effects on feed intake, growth efficiency, and metabolic and development indicators. *JOURNAL OF DAIRY SCIENCE*, 104(1), 1136-1152. 10.3168/jds.2020-18809
- Rosendal, T; Dewey, C; Friendship, R; Wootton, S; Young, B; Poljak, Z (2014). Association between the genetic similarity of the open reading frame 5 sequence of Porcine reproductive and respiratory syndrome virus and the similarity in clinical signs of Porcine reproductive and respiratory syndrome in Ontario swine herds. *CANADIAN JOURNAL OF VETERINARY RESEARCH-REVUE CANADIENNE DE RECHERCHE VETERINAIRE*, 78(4), 250-259.
- Rosengren, LB; Gow, SP; Weese, JS (2010). Antimicrobial use and resistance in pigs and chickens: A review of the science, policy and control practices from farm to slaughter - executive summary. *CANADIAN JOURNAL OF INFECTIOUS DISEASES & MEDICAL MICROBIOLOGY*, 21(3), 123-124. 10.1155/2010/361601

- Rosete, YA; To, H; Evans, M; White, K; Saleh, M; Trueman, C; Tomecek, J; Van Dyk, D; Summerbell, RC; Scott, JA (2021). Assessing the Use of DNA Detection Platforms Combined with Passive Wind-Powered Spore Traps for Early Surveillance of Potato and Tomato Late Blight in Canada. *PLANT DISEASE*, 105(11), 3610-3622. 10.1094/PDIS-12-20-2695-RE
- Ross, M; Atalla, H; Karrow, N; Mallard, BA (2021). The bioactivity of colostrum and milk exosomes of high, average, and low immune responder cows on human intestinal epithelial cells. *JOURNAL OF DAIRY SCIENCE*, 104(3), 2499-2510. 10.3168/jds.2020-18405
- Ross, M; Rausch, Q; Vandenberg, B; Mason, G (2020). Hens with benefits: Can environmental enrichment make chickens more resilient to stress?. *PHYSIOLOGY & BEHAVIOR*, 226(), . 10.1016/j.physbeh.2020.113077
- Rotz, S; Fraser, EDG; Martin, RC (2019). Situating tenure, capital and finance in farmland relations: implications for stewardship and agroecological health in Ontario, Canada. *JOURNAL OF PEASANT STUDIES*, 46(1), 142-164. 10.1080/03066150.2017.1351953
- Roudsari, GM; Misra, M; Mohanty, AK (2017). A study of mechanical properties of biobased epoxy network: Effect of addition of epoxidized soybean oil and poly(furfuryl alcohol). *JOURNAL OF APPLIED POLYMER SCIENCE*, 134(1), . 10.1002/app.44352
- Rovere, G; de los Campos, G; Tempelman, RJ; Vazquez, AI; Miglior, F; Schenkel, F; Cecchinato, A; Bittante, G; Toledo-Alvarado, H; Fleming, A (2019). A landscape of the heritability of Fourier-transform infrared spectral wavelengths of milk samples by parity and lactation stage in Holstein cows. *JOURNAL OF DAIRY SCIENCE*, 102(2), 1354-1363. 10.3168/jds.2018-15109
- Rowe, MD; Anderson, EJ; Beletsky, D; Stow, CA; Moegling, SD; Chaffin, JD; May, JC; Collingsworth, PD; Jabbari, A; Ackerman, JD (2019). Coastal Upwelling Influences Hypoxia Spatial Patterns and Nearshore Dynamics in Lake Erie. *JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS*, 124(8), 6154-6175. 10.1029/2019JC015192
- Rowlandso, TL; Berg, AA; Bullock, PR; Hanis-Gervais, K; Ojo, ER; Cosh, MH; Powers, J; McNairn, H (2018). Temporal transferability of soil moisture calibration equations. *JOURNAL OF HYDROLOGY*, 556(), 349-358. 10.1016/j.jhydrol.2017.11.023
- Rowlandson, T; Impera, S; Belanger, J; Berg, AA; Toth, B; Magagi, R (2015). Use of in situ soil moisture network for estimating regional- scale soil moisture during high soil moisture conditions. *CANADIAN WATER RESOURCES JOURNAL*, 40(4), 343-351. 10.1080/07011784.2015.1061948

- Rowlandson, TL; Berg, AA (2015). Errors associated with estimating vegetation water content from radar for use in passive microwave brightness temperature algorithms. *INTERNATIONAL JOURNAL OF REMOTE SENSING*, 36(3), 782-796. 10.1080/01431161.2014.999384
- Rowlandson, TL; Berg, AA; Bullock, PR; Ojo, ER; McNairn, H; Wiseman, G; Cosh, MH (2013). Evaluation of several calibration procedures for a portable soil moisture sensor. *JOURNAL OF HYDROLOGY*, 498(), 335-344. 10.1016/j.jhydrol.2013.05.021
- Roy, P; Ashton, L; Corradini, MG; Fraser, EDG; Thimmanagari, M; Tiessan, M; Bali, A; Saharan, KM; Mohanty, AK; Misra, M (2021). Evolution of drinking straws and their environmental, economic and societal implications. *JOURNAL OF CLEANER PRODUCTION*, 316(), . 10.1016/j.jclepro.2021.128234
- Rozema, ER; Gordon, RJ; Zheng, YB (2014). Plant Species for the Removal of Na<sup>+</sup> and Cl<sup>-</sup> from Greenhouse Nutrient Solution. *HORTSCIENCE*, 49(8), 1071-1075. 10.21273/HORTSCI.49.8.1071
- Ruane, AC; Hudson, NI; Asseng, S; Camarrano, D; Ewert, F; Martre, P; Boote, KJ; Thorburn, PJ; Aggarwal, PK; Angulo, C; Basso, B; Bertuzzi, P; Biernath, C; Brisson, N; Challinor, AJ; Doltra, J; Gayler, S; Goldberg, R; Grant, RF; Heng, L; Hooker, J; Hunt, LA; Ingwersen, J; Izaurralde, RC; Kersebaum, KC; Kumar, SN; Muller, C; Nendel, C; O'Leary, G; Olesen, JE; Osborne, TM; Palosuo, T; Priesack, E; Ripoche, D; Rotter, RP; Semenov, MA; Shcherbak, I; Steduto, P; Stockle, CO; Stratonovitch, P; Streck, T; Supit, I; Tao, FL; Travasso, M; Waha, K; Wallach, D; White, JW; Wolf, J (2016). Multi-wheat-model ensemble responses to interannual climate variability. *ENVIRONMENTAL MODELLING & SOFTWARE*, 81(), 86-101. 10.1016/j.envsoft.2016.03.008
- Rudar, M; Huber, LA; Zhu, CLL; de Lange, CFM (2019). Effects of dietary leucine supplementation and immune system stimulation on plasma AA concentrations and tissue protein synthesis in starter pigs. *JOURNAL OF ANIMAL SCIENCE*, 97(2), 829-838. 10.1093/jas/sky449
- Rudra, RP; Mekonnen, BA; Shukla, R; Shrestha, NK; Goel, PK; Daggupati, P; Biswas, A (2020). Currents Status, Challenges, and Future Directions in Identifying Critical Source Areas for Non-Point Source Pollution in Canadian Conditions. *AGRICULTURE-BASEL*, 10(10), . 10.3390/agriculture10100468
- Ruffell, SE; Frank, RA; Woodworth, AP; Bragg, LM; Bauer, AE; Deeth, LE; Muller, KM; Farwell, AJ; Dixon, DG; Servos, MR; McConkey, BJ (2016). Assessing the bioremediation potential of algal species indigenous to oil sands process-affected waters on mixtures of oil sands acid extractable organics. *ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY*, 133(), 373-380. 10.1016/j.ecoenv.2016.07.034
- Rupa, P; Schmied, J; Wilkie, BN (2011). Prophylaxis of experimentally induced ovomucoid allergy in neonatal pigs using *Lactococcus lactis*. *VETERINARY*

*IMMUNOLOGY AND IMMUNOPATHOLOGY*, 140(1-2), 23-29.  
10.1016/j.vetimm.2010.11.004

Russell, HAJ; Arnaud, E; Bajc, AF; Sharpe, DR (2018). Quaternary geology of southern Ontario and applications to hydrogeology. *CANADIAN JOURNAL OF EARTH SCIENCES*, 55(7), V-VIII. 10.1139/cjes-2018-0119

Rutledge, LY; Desy, G; Fryxell, JM; Middel, K; White, BN; Patterson, BR (2017). Patchy distribution and low effective population size raise concern for an at-risk top predator. *DIVERSITY AND DISTRIBUTIONS*, 23(1), 79-89. 10.1111/ddi.12496

Ryan, GD; Rasmussen, S; Parsons, AJ; Newman, JA (2015). The effects of carbohydrate supply and host genetic background on *Epichloe* endophyte and alkaloid concentrations in perennial ryegrass. *FUNGAL ECOLOGY*, 18(), 115-125. 10.1016/j.funeco.2015.07.006

Sabahi, Q; Gashout, H; Kelly, PG; Guzman-Novoa, E (2017). Continuous release of oregano oil effectively and safely controls *Varroa destructor* infestations in honey bee colonies in a northern climate. *EXPERIMENTAL AND APPLIED ACAROLOGY*, 72(3), 263-275. 10.1007/s10493-017-0157-3

Sabzchi-Dehkharghani, H; Nazemi, AH; Sadraddini, AA; Majnooni-Heris, A; Biswas, A (2021). Recognition of different yield potentials among rain-fed wheat fields before harvest using remote sensing. *AGRICULTURAL WATER MANAGEMENT*, 245(), . 10.1016/j.agwat.2020.106611

Sadowski, S; Spachos, P (2018). Solar-Powered Smart Agricultural Monitoring System Using Internet of Things Devices. *2018 IEEE 9TH ANNUAL INFORMATION TECHNOLOGY, ELECTRONICS AND MOBILE COMMUNICATION CONFERENCE (IEMCON)*, (), 18-23.

Safadoust, A; Khaboushan, EA; Mahboubi, AA; Gharabaghi, B; Mosaddeghi, MR; Ahrens, B; Hassanpour, Y (2016). Comparison of three models describing bromide transport affected by different soil structure types. *ARCHIVES OF AGRONOMY AND SOIL SCIENCE*, 62(5), 674-687. 10.1080/03650340.2015.1074184

Sage, RF; Peixoto, MD; Friesen, P; Deen, B (2015). C-4 bioenergy crops for cool climates, with special emphasis on perennial C-4 grasses. *JOURNAL OF EXPERIMENTAL BOTANY*, 66(14), 4195-4212. 10.1093/jxb/erv123

Saha, B; Sarker, R; Mitura, V (2014). Impact of Genetically Engineered Varieties on the Cost Structure of Corn and Soybean Production in Canada. *CANADIAN JOURNAL OF AGRICULTURAL ECONOMICS-REVUE CANADIENNE D AGROECONOMIE*, 62(2), 263-282. 10.1111/cjag.12026

Saifuzzaman, M; Adamchuk, V; Biswas, A; Rabe, N (2021). High-density proximal soil sensing data and topographic derivatives to characterise field variability. *BIOSYSTEMS ENGINEERING*, 211(), 19-34. 10.1016/j.biosystemseng.2021.08.018

- Saini, V; McClure, JT; Scholl, DT; DeVries, TJ; Barkema, HW (2012). Herd-level association between antimicrobial use and antimicrobial resistance in bovine mastitis *Staphylococcus aureus* isolates on Canadian dairy farms. *JOURNAL OF DAIRY SCIENCE*, 95(4), 1921-1929. 10.3168/jds.2011-5065
- Saleh-Lakha, S; Allen, VG; Li, J; Pagotto, F; Odumeru, J; Taboada, E; Lombos, M; Tabing, KC; Blais, B; Ogunremi, D; Downing, G; Lee, S; Gao, A; Nadon, C; Chen, S (2013). Subtyping of a Large Collection of Historical *Listeria monocytogenes* Strains from Ontario, Canada, by an Improved Multilocus Variable-Number Tandem-Repeat Analysis (MLVA). *APPLIED AND ENVIRONMENTAL MICROBIOLOGY*, 79(20), 6472-6480. 10.1128/AEM.00759-13
- Salerno, J; Bennett, CJ; Holman, E; Gillis, PL; Sibley, PK; Prosser, RS (2018). Sensitivity of multiple life stages of 2 freshwater mussel species (Unionidae) to various pesticides detected in Ontario (Canada) surface waters. *ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY*, 37(11), 2871-2880. 10.1002/etc.4248
- Salim, H; Wood, KM; Abo-Ismael, MK; McEwen, PL; Mandell, IB; Miller, SP; Cant, JP; Swanson, KC (2012). Influence of feeding increasing levels of dry corn distillers grains plus solubles in whole corn grain-based finishing diets on total tract digestion, nutrient balance, and excretion in beef steers. *JOURNAL OF ANIMAL SCIENCE*, 90(12), 4441-4448. 10.2527/jas.2011-4332
- Salim, H; Wood, KM; Cant, JP; Swanson, KC (2015). Influence of feeding increasing levels of dry or modified wet corn distillers' grains plus solubles in whole corn grain-based finishing diets on hepatic and renal mass, and glutathione peroxidase and urea cycle enzyme activities in finishing cattle. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 95(3), 407-415. 10.4141/CJAS-2014-134
- Salim, H; Wood, KM; Cant, JP; Swanson, KC (2016). Influence of feeding increasing levels of dry or modified wet corn distillers grains plus solubles in whole corn grain-based finishing cattle diets on pancreatic alpha-amylase and trypsin activity. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 96(3), 294-298. 10.1139/cjas-2015-0150
- Salim, H; Wood, KM; McEwen, PL; Vandervoort, G; Miller, SP; Mandell, IB; Cant, JP; Swanson, KC (2014). Influence of feeding increasing level of dry or modified wet corn distillers grains plus solubles in whole corn grain-based finishing diets on growth performance, carcass traits, and feeding behavior in finishing cattle. *LIVESTOCK SCIENCE*, 161(), 53-59. 10.1016/j.livsci.2013.12.020
- Samarajeewa, AD; Glasauer, SM; Dunfield, KE (2010). Evaluation of Petrifilm (TM) EC method for enumeration of E-coli from soil. *LETTERS IN APPLIED MICROBIOLOGY*, 50(5), 457-461. 10.1111/j.1472-765X.2010.02819.x
- Samarajeewa, AD; Glasauer, SM; Lauzon, JD; O'Halloran, IP; Parkin, GW; Dunfield, KE (2012). Bacterial contamination of tile drainage water and shallow groundwater

under different application methods of liquid swine manure. *CANADIAN JOURNAL OF MICROBIOLOGY*, 58(5), 668-677. 10.1139/W2012-038

Samii-Saket, G; Boersma, JG; Ablett, GR; Falk, DE; Fletcher, R; Rajcan, I (2011). Single Soybean Seed NMR Calibration for Oil Measurement Using Commercial Cooking Oils. *JOURNAL OF THE AMERICAN OIL CHEMISTS SOCIETY*, 88(11), 1795-1798. 10.1007/s11746-011-1849-1

Samwel, J; Msogoya, T; Kudra, A; Mtui, HD; Baltazari, A; Sullivan, JA; Subramanian, J; Mwatawala, MW (2020). Pre-harvest field application of enhanced freshness formulation reduces yield loss in orange. *CHEMICAL AND BIOLOGICAL TECHNOLOGIES IN AGRICULTURE*, 7(1), . 10.1186/s40538-020-00191-7

Sanchez-Salguero, R; Hevia, A; Camarero, JJ; Treydte, K; Frank, D; Crivellaro, A; Dominguez-Delmas, M; Hellman, L; Kaczka, RJ; Kaye, M; Akhmetzyanov, L; Ashiq, MW; Bhuyan, U; Bondarenko, O; Camison, A; Camps, S; Garcia, VC; Vaz, FC; Gavrila, IG; Gulbranson, E; Huhtamaa, H; Janecka, K; Jeffers, D; Jochner, M; Koutecky, T; Lamrani-Alaoui, M; Lebreton-Anberree, J; Seijo, MM; Matulewski, P; Metslaid, S; Miron, S; Morrissey, R; Opdebeeck, J; Ovchinnikov, S; Peters, R; Petritan, AM; Popkova, M; Rehorkova, S; Ariza, MOR; Sanchez-Miranda, A; Van der Linden, M; Vannoppen, A; Volarik, D (2017). An intensive tree-ring experience: Connecting education and research during the 25th European Dendroecological Fieldweek (Asturias, Spain). *DENDROCHRONOLOGIA*, 42(), 80-93. 10.1016/j.dendro.2016.12.005

Sanchez, J; Thanabalan, A; Khanal, T; Patterson, R; Slominski, BA; Kiarie, E (2019). Growth performance, gastrointestinal weight, microbial metabolites and apparent retention of components in broiler chickens fed up to 11% rice bran in a corn-soybean meal diet without or with a multi-enzyme supplement. *ANIMAL NUTRITION*, 5(1), 41-48. 10.1016/j.aninu.2018.12.001

Sanford, M; Prosser, RS (2020). High-Frequency Sampling of Small Streams in the Agroecosystems of Southwestern Ontario, Canada, to Characterize Pesticide Exposure and Associated Risk to Aquatic Life. *ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY*, 39(12), 2570-2587. 10.1002/etc.4884

Sanford, M; Washuck, N; Carr, K; Prosser, RS (2021). Pulsed exposure of the macrophyte *Lemna minor* to herbicides and the mayfly *Neocloeon triangulifer* to diamide insecticides. *CHEMOSPHERE*, 273(), . 10.1016/j.chemosphere.2020.128582

Sanscartier, D; Deen, B; Dias, G; MacLean, HL; Dadfar, H; McDonald, I; Kludze, H (2014). Implications of land class and environmental factors on life cycle GHG emissions of *Miscanthus* as a bioenergy feedstock. *GLOBAL CHANGE BIOLOGY BIOENERGY*, 6(4), 401-413. 10.1111/gcbb.12062



- Sansom, B; Vo, NTK; Kavanagh, R; Hanner, R; MacKinnon, M; Dixon, DG; Lee, LEJ (2013). Rapid assessment of the toxicity of oil sands process-affected waters using fish cell lines. *IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-ANIMAL*, 49(1), 52-65. 10.1007/s11626-012-9570-4
- Santafe-Troncoso, V; Loring, PA (2021). Traditional food or biocultural threat? Concerns about the use of tilapia fish in Indigenous cuisine in the Amazonia of Ecuador. *PEOPLE AND NATURE*, 3(4), 887-900. 10.1002/pan3.10235
- Santana, PDB; Silva, TVG; da Costa, NN; da Silva, BB; Carter, TF; Cordeiro, MD; da Silva, BJM; Santos, SDD; Herculano, AM; Adona, PR; Ohashi, OM; Miranda, MD (2014). Supplementation of Bovine Embryo Culture Medium With L-Arginine Improves Embryo Quality via Nitric Oxide Production. *MOLECULAR REPRODUCTION AND DEVELOPMENT*, 81(10), 918-927. 10.1002/mrd.22387
- Santry, LA; de Jong, J; Gold, AC; Walsh, SR; Menzies, PI; Wootton, SK (2013). Genetic characterization of small ruminant lentiviruses circulating in naturally infected sheep and goats in Ontario, Canada. *VIRUS RESEARCH*, 175(1), 30-44. 10.1016/j.virusres.2013.03.019
- Saraceni, J; Winder, CB; Renaud, DL; Miltenburg, C; Nelson, E; Van Os, JMC (2021). Disbudding and dehorning practices for preweaned dairy calves by farmers in Wisconsin, USA. *JOURNAL OF DAIRY SCIENCE*, 104(11), 11995-12008. 10.3168/jds.2021-20411
- Sargeant, JM; O'Connor, AM (2014). "One-Stop Shopping" for Information on Conducting Systematic Reviews and Meta-Analysis in Animal Agriculture and Veterinary Medicine. *ZOOZOSES AND PUBLIC HEALTH*, 61(), 2-2. 10.1111/zph.12130
- Sargeant, JM; O'Connor, AM (2014). Introduction to Systematic Reviews in Animal Agriculture and Veterinary Medicine. *ZOOZOSES AND PUBLIC HEALTH*, 61(), 3-9. 10.1111/zph.12128
- Sargeant, JM; O'Connor, AM; Winder, CB (2019). Editorial: Systematic reviews reveal a need for more, better data to inform antimicrobial stewardship practices in animal agriculture. *ANIMAL HEALTH RESEARCH REVIEWS*, 20(2), 103-105. 10.1017/S1466252319000240
- Sargeant, JM; Totton, SC; Plishka, M; Vriezen, ER (2021). Salmonella in Animal Feeds: A Scoping Review. *FRONTIERS IN VETERINARY SCIENCE*, 8(), . 10.3389/fvets.2021.727495
- Saude, C; McKeown, A; Gossen, BD; McDonald, MR (2012). Effect of Host Resistance and Fungicide Application on Clubroot Pathotype 6 in Green Cabbage and Napa Cabbage. *HORTTECHNOLOGY*, 22(3), 311-319. 10.21273/HORTTECH.22.3.311

- Sauer, J; Berrang-Ford, L; Patterson, K; Donnelly, B; Lwasa, S; Namanya, D; Zavaleta, C; Ford, J; Harper, S (2018). An analysis of the nutrition status of neighboring Indigenous and non-Indigenous populations in Kanungu District, southwestern Uganda: Close proximity, distant health realities. *SOCIAL SCIENCE & MEDICINE*, 217(), 55-64. 10.1016/j.socscimed.2018.09.027
- Saunders, SP; Wu, JX; Gow, EA; Adams, E; Bateman, BL; Bayard, T; Beilke, S; Dayer, AA; Fournier, AMV; Fox, K; Heglund, P; Lerman, SB; Michel, NL; Paxton, EH; Sekercioglu, CH; Smith, MA; Thogmartin, W; Woodrey, MS; van Riper, C (2021). Bridging the research-implementation gap in avian conservation with translational ecology. *ORNITHOLOGICAL APPLICATIONS*, 123(3), . 10.1093/ornithapp/duab018
- Scarpa, G; Berrang-Ford, L; Twesigomwe, S; Kakwangire, P; Peters, R; Zavaleta-Cortijo, C; Patterson, K; Namanya, DB; Lwasa, S; Nowembabazi, E; Kesande, C; Harris-Fry, H; Cade, JE (2021). A Community-Based Approach to Integrating Socio, Cultural and Environmental Contexts in the Development of a Food Database for Indigenous and Rural Populations: The Case of the Batwa and Bakiga in South-Western Uganda. *NUTRIENTS*, 13(10), . 10.3390/nu13103503
- Schaafsma, A; Limay-Rios, V; Baute, T; Smith, J; Xue, YG (2015). Neonicotinoid Insecticide Residues in Surface Water and Soil Associated with Commercial Maize (Corn) Fields in Southwestern Ontario. *PLOS ONE*, 10(2), . 10.1371/journal.pone.0118139
- Schaafsma, A; Limay-Rios, V; Xue, YG; Smith, J; Baute, T (2016). Field-scale examination of neonicotinoid insecticide persistence in soil as a result of seed treatment use in commercial maize (corn) fields in southwestern Ontario. *ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY*, 35(2), 295-302. 10.1002/etc.3231
- Schaafsma, AW; Limay-Rios, V; Miller, JD (2010). Concentration of Fusarium toxins in naturally contaminated corn and corn processing co-products derived from ethanol production. *PHYTOPATHOLOGY*, 100(6), S180-S181.
- Schaeffer, LR; Ang, KP; Elliott, JAK; Herlin, M; Powell, F; Boulding, EG (2018). Genetic evaluation of Atlantic salmon for growth traits incorporating SNP markers. *JOURNAL OF ANIMAL BREEDING AND GENETICS*, 135(5), 349-356. 10.1111/jbg.12355
- Schenkels, J; Hamed, T; Laundry, N; Szkotnicki, B; Baes, C (2018). Dairy Data: Challenges and Opportunities. *JOURNAL OF ANIMAL SCIENCE*, 96(), 103-104.
- Schjonning, P; McBride, RA; Keller, T; Obour, PB (2017). Predicting soil particle density from clay and soil organic matter contents. *GEODERMA*, 286(), 83-87. 10.1016/j.geoderma.2016.10.020

- Schmied, J; Rupa, P; Garvie, S; Wilkie, B (2013). Immune response phenotype of allergic versus clinically tolerant pigs in a neonatal swine model of allergy. *VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY*, 154(1-2), 17-24. 10.1016/j.vetimm.2013.04.008
- Schneider, KD; Cade-Menun, BJ; Lynch, DH; Voroney, RP (2016). Soil Phosphorus Forms from Organic and Conventional Forage Fields. *SOIL SCIENCE SOCIETY OF AMERICA JOURNAL*, 80(2), 328-340. 10.2136/sssaj2015.09.0340
- Schneider, KD; Lynch, DH; Bunemann, EK; Voroney, RP (2017). Vegetative Composition, Arbuscular Mycorrhizal Fungi Root Colonization, and Biological Nitrogen Fixation Distinguish Organic and Conventional Perennial Forage Systems. *AGRONOMY JOURNAL*, 109(4), 1697-1706. 10.2134/agronj2016.12.0700
- Schneider, KD; Lynch, DH; Dunfield, K; Khosla, K; Jansa, J; Voroney, RP (2015). Farm system management affects community structure of arbuscular mycorrhizal fungi. *APPLIED SOIL ECOLOGY*, 96(), 192-200. 10.1016/j.apsoil.2015.07.015
- Schneider, KD; van Straaten, P; de Orduna, RM; Glasauer, S; Trevors, J; Fallow, D; Smith, PS (2010). Comparing phosphorus mobilization strategies using *Aspergillus niger* for the mineral dissolution of three phosphate rocks. *JOURNAL OF APPLIED MICROBIOLOGY*, 108(1), 366-374. 10.1111/j.1365-2672.2009.04489.x
- Schneider, KD; Voroney, RP; Lynch, DH; Oberson, A; Frossard, E; Bunemann, EK (2017). Microbially-mediated P fluxes in calcareous soils as a function of water-extractable phosphate. *SOIL BIOLOGY & BIOCHEMISTRY*, 106(), 51-60. 10.1016/j.soilbio.2016.12.016
- Schonberger, ZG; McCann, K; Gellner, G (2021). Strong nutrient-plant interactions enhance the stability of ecosystems. *COMMUNICATIONS BIOLOGY*, 4(1), . 10.1038/s42003-021-02737-3
- Schuster, JC; Barkema, HW; De Vries, A; Kelton, DF; Orsel, K (2020). Invited review: Academic and applied approach to evaluating longevity in dairy cows. *JOURNAL OF DAIRY SCIENCE*, 103(12), 11008-11024. 10.3168/jds.2020-19043
- Schut, CH; Farzan, A; Ainslie-Garcia, MH; Friendship, RM; Lillie, BN (2019). Antibody Responses to Salmonella in Pigs from Weaning Up to Marketing and Presence of Salmonella at Slaughter. *FOODBORNE PATHOGENS AND DISEASE*, 16(3), 187-194. 10.1089/fpd.2018.2454
- Schut, CH; Farzan, A; Fraser, RS; Ainslie-Garcia, MH; Friendship, RM; Lillie, BN (2020). Identification of single-nucleotide variants associated with susceptibility to Salmonella in pigs using a genome-wide association approach. *BMC VETERINARY RESEARCH*, 16(1), . 10.1186/s12917-020-02344-0
- Schutte, UME; Henning, JA; Ye, YZ; Bowling, A; Ford, J; Genet, H; Waldrop, MP; Turetsky, MR; White, JR; Bever, JD (2019). Effect of permafrost thaw on plant and

soil fungal community in a boreal forest: Does fungal community change mediate plant productivity response?. *JOURNAL OF ECOLOGY*, 107(4), 1737-1752. 10.1111/1365-2745.13139

Schuur, EAG; Abbott, BW; Bowden, WB; Brovkin, V; Camill, P; Canadell, JG; Chanton, JP; Chapin, FS; Christensen, TR; Ciais, P; Crosby, BT; Czimczik, CI; Grosse, G; Harden, J; Hayes, DJ; Hugelius, G; Jastrow, JD; Jones, JB; Kleinen, T; Koven, CD; Krinner, G; Kuhry, P; Lawrence, DM; McGuire, AD; Natali, SM; O'Donnell, JA; Ping, CL; Riley, WJ; Rinke, A; Romanovsky, VE; Sannel, ABK; Schadel, C; Schaefer, K; Sky, J; Subin, ZM; Tarnocai, C; Turetsky, MR; Waldrop, MP; Anthony, KMW; Wickland, KP; Wilson, CJ; Zimov, SA (2013). Expert assessment of vulnerability of permafrost carbon to climate change. *CLIMATIC CHANGE*, 119(2), 359-374. 10.1007/s10584-013-0730-7

Schwalb, AN; Ackerman, JD (2011). Settling velocities of juvenile Lampsilini mussels (Mollusca: Unionidae): the influence of behavior. *JOURNAL OF THE NORTH AMERICAN BENTHOLOGICAL SOCIETY*, 30(3), 702-709. 10.1899/11-023.1

Schwalb, AN; Morris, TJ; Cottenie, K (2015). Dispersal abilities of riverine freshwater mussels influence metacommunity structure. *FRESHWATER BIOLOGY*, 60(5), 911-921. 10.1111/fwb.12544

Schwartzkopf-Genswein, KS; Shah, MA; Church, JS; Haley, DB; Janzen, K; Truong, G; Atkins, RP; Crowe, TG (2012). A comparison of commonly used and novel electronic techniques for evaluating cattle temperament. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 92(1), 21-31. 10.4141/CJAS2011-040

Schwarz, T; Malopolska, M; Nowicki, J; Tuz, R; Lazic, S; Kopyra, M; Bartlewski, PM (2021). Effects of individual versus group housing system during the weaning-to-estrus interval on reproductive performance of sows. *ANIMAL*, 15(2), . 10.1016/j.animal.2020.100122

Schwarz, T; Scheeres, N; Malopolska, MM; Murawski, M; Agustin, TD; Ahmadi, B; Strzalkowska, N; Rajtar, P; Micek, P; Bartlewski, PM (2020). Associations between Mammary Gland Echotexture and Milk Composition in Cows. *ANIMALS*, 10(11), . 10.3390/ani10112005

Schwarz, T; Weglarz, A; Andres, K; Wojtysiak, D; Murawski, M; Ahmadi, B; Bartlewski, PM (2022). Correlations among Ultrasonographic, Physicochemical and Sensory Characteristics of Pectoralis Major Muscles in Turkeys Reared in a Sustainable Farming System. *ANIMALS*, 12(1), . 10.3390/ani12010005

Schweitzer, PM; Susta, L; Varga, C; Brash, ML; Guerin, MT (2021). Demographic, Husbandry, and Biosecurity Factors Associated with the Presence of *Campylobacter* spp. in Small Poultry Flocks in Ontario, Canada. *PATHOGENS*, 10(11), . 10.3390/pathogens10111471

- Scott, H; Gilleard, JS; Jelinski, M; Barkema, HW; Redman, EM; Avramenko, RW; Luby, C; Kelton, DF; Bauman, CA; Keefe, G; Dubuc, J; Uehlinger, FD (2019). Prevalence, fecal egg counts, and species identification of gastrointestinal nematodes in replacement dairy heifers in Canada. *JOURNAL OF DAIRY SCIENCE*, 102(9), 8251-8263. 10.3168/jds.2018-16115
- Seabloom, EW; Borer, ET; Hobbie, SE; MacDougall, AS (2021). Soil nutrients increase long-term soil carbon gains threefold on retired farmland. *GLOBAL CHANGE BIOLOGY*, 27(19), 4909-4920. 10.1111/gcb.15778
- Seahra, S; Yurkonis, KA; Newman, JA (2019). Seeding tallgrass prairie in monospecific patches promotes native species establishment and cover. *RESTORATION ECOLOGY*, 27(1), 82-91. 10.1111/rec.12715
- Seahra, SE; Yurkonis, KA; Newman, JA (2016). Species patch size at seeding affects diversity and productivity responses in establishing grasslands. *JOURNAL OF ECOLOGY*, 104(2), 479-486. 10.1111/1365-2745.12514
- Sechley, TH; Strickland, D; Norris, DR (2015). Linking the availability of cached food to climate change: an experimental test of the hoard-rot hypothesis. *CANADIAN JOURNAL OF ZOOLOGY*, 93(6), 411-419. 10.1139/cjz-2015-0016
- Serrenho, RC; Church, C; McGee, D; Duffield, TF (2022). Environment, nutrition, and management practices for far-off, close-up, and fresh cows on Canadian dairy farms—A retrospective descriptive study. *JOURNAL OF DAIRY SCIENCE*, 105(2), 1797-1814. 10.3168/jds.2021-20919
- Sevcik, J; Kjaerandsen, J; Marshall, SA (2012). Revision of *Speolepta* (Diptera: Mycetophilidae), with descriptions of new Nearctic and Oriental species. *CANADIAN ENTOMOLOGIST*, 144(1), 93-107. 10.4039/tce.2012.10
- Seydibeyoglu, MO; Misra, M; Mohanty, A; Blaker, JJ; Lee, KY; Bismarck, A; Kazemizadeh, M (2013). Green polyurethane nanocomposites from soy polyol and bacterial cellulose. *JOURNAL OF MATERIALS SCIENCE*, 48(5), 2167-2175. 10.1007/s10853-012-6992-z
- Seymour, DJ; Canovas, A; Baes, CF; Chud, TCS; Osborne, VR; Cant, JP; Brito, LF; Gredler-Grandl, B; Finocchiaro, R; Veerkamp, RF; de Haas, Y; Miglior, F (2019). Invited review: Determination of large-scale individual dry matter intake phenotypes in dairy cattle. *JOURNAL OF DAIRY SCIENCE*, 102(9), 7655-7663. 10.3168/jds.2019-16454
- Shafer, ABA; Wolf, JBW; Alves, PC; Bergstrom, L; Bruford, MW; Brannstrom, I; Colling, G; Dalen, L; De Meester, L; Ekblom, R; Fawcett, KD; Fior, S; Hajibabaei, M; Hill, JA; Hoesel, AR; Hognlund, J; Jensen, EL; Krause, J; Kristensen, TN; Krutzen, M; McKay, JK; Norman, AJ; Ogden, R; Osterling, EM; Ouborg, NJ; Piccolo, J; Popovic, D; Primmer, CR; Reed, FA; Roumet, M; Salmona, J; Schenekar, T; Schwartz, MK;

- Segelbacher, G; Senn, H; Thaulow, J; Valtonen, M; Veale, A; Vergeer, P; Vijay, N; Vila, C; Weissensteiner, M; Wennerstrom, L; Wheat, CW; Zielinski, P (2015). Genomics and the challenging translation into conservation practice. *TRENDS IN ECOLOGY & EVOLUTION*, 30(2), 78-87. 10.1016/j.tree.2014.11.009
- Shafer, ABA; Wolf, JBW; Alves, PC; Bergstrom, L; Colling, G; Dalen, L; De Meester, L; Ekblom, R; Fior, S; Hajibabaei, M; Hoebel, AR; Høglund, J; Jensen, EL; Krutzen, M; Norman, AJ; Osterling, EM; Ouborg, NJ; Piccolo, J; Primmer, CR; Reed, FA; Roumet, M; Salmona, J; Schwartz, MK; Segelbacher, G; Thaulow, J; Valtonen, M; Vergeer, P; Weissensteiner, M; Wheat, CW; Vila, C; Zielinski, P (2016). Genomics in Conservation: Case Studies and Bridging the Gap between Data and Application Reply. *TRENDS IN ECOLOGY & EVOLUTION*, 31(2), 83-84. 10.1016/j.tree.2015.11.010
- Shahmohamadloo, RS; Febria, CM; Fraser, EDG; Sibley, PK (). The sustainable agriculture imperative: A perspective on the need for an agrosystem approach to meet the United Nations Sustainable Development Goals by 2030. *INTEGRATED ENVIRONMENTAL ASSESSMENT AND MANAGEMENT*, (), . 10.1002/ieam.4558
- Shallouf, M; Ahmed, WH; Abdou, S (2019). Engineered-airlift pumps for aquaculture applications using multiphase flow analysis. *AQUACULTURAL ENGINEERING*, 87(), . 10.1016/j.aquaeng.2019.101998
- Shang, MZ; McEwan, K (2021). The make-or-buy decision of feed on livestock farms: Evidence from Ontario swine farms. *CANADIAN JOURNAL OF AGRICULTURAL ECONOMICS-REVUE CANADIENNE D AGROECONOMIE*, 69(3), 353-368. 10.1111/cjag.12269
- Shao, H; Yang, WH; Lindsay, J; Liu, YB; Yu, ZQ; Oginsky, A (2017). AN OPEN SOURCE GIS-BASED DECISION SUPPORT SYSTEM FOR WATERSHED EVALUATION OF BEST MANAGEMENT PRACTICES. *JOURNAL OF THE AMERICAN WATER RESOURCES ASSOCIATION*, 53(3), 521-531. 10.1111/1752-1688.12521
- Sharma, S; Pradhan, R; Manickavasagan, A; Dutta, A (). Characterization of ultrasonic-treated corn crop biomass using imaging, spectral and thermal techniques: a review. *BIOMASS CONVERSION AND BIOREFINERY*, (), . 10.1007/s13399-020-00748-4
- Shaw, EJ; Kakuda, Y; Rajcan, I (2016). Effect of Genotype, Environment, and Genotype X Environment Interaction on Tocopherol Accumulation in Soybean Seed. *CROP SCIENCE*, 56(1), 40-50. 10.2135/cropsci2015.02.0069
- Sheikheldin, GH; Devlin, JF (2019). Agents of Technology Localization in East Africa: Case Studies of Social Enterprises in Tanzania. *FORUM FOR DEVELOPMENT STUDIES*, 46(2), 321-346. 10.1080/08039410.2018.1534751

- Sheklabadi, M; Mahmoudzadeh, H; Mahboubi, AA; Gharabaghi, B; Ahrens, B (2015). Long-term land-use change effects on phosphorus fractionation in Zrebar Lake margin soils. *ARCHIVES OF AGRONOMY AND SOIL SCIENCE*, 61(6), 737-749. 10.1080/03650340.2014.954106
- Shelp, BJ; Sutton, WJ; Flaherty, EJ (2020). Strategic timing and rate of phosphorus fertilization improves phosphorus-use efficiency in two contrasting cultivars of subirrigated greenhouse-grown chrysanthemum. *CANADIAN JOURNAL OF PLANT SCIENCE*, 100(3), 264-275. 10.1139/cjps-2019-0173
- Shen, QL; Song, JW; Zhang, KL; Voroney, P; Li, JY; Xu, JM; Brookes, PC (2021). The effects of soil incorporation depth of Biodiesel Co-Product (BCP) additions on N leaching losses and on genes involved in soil nitrogen cycling in an acidic Chinese tea soil. *BIOLOGY AND FERTILITY OF SOILS*, 57(6), 739-752. 10.1007/s00374-021-01558-0
- Shen, ZF; Wu, ZS; Chang, DR; Zhang, WQ; Tram, K; Lee, C; Kim, P; Salena, BJ; Li, YF (2016). A Catalytic DNA Activated by a Specific Strain of Bacterial Pathogen. *ANGEWANDTE CHEMIE-INTERNATIONAL EDITION*, 55(7), 2431-2434. 10.1002/anie.201510125
- Shepley, E; Bergeron, R; Becotte, F; Vasseur, E (2017). Dairy cow preference for outdoor access during winter under Eastern Canada climatic conditions. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 97(1), 1-5. 10.1139/cjas-2016-0028
- Shepley, E; Bergeron, R; Vasseur, E (2017). Daytime summer access to pasture vs. free-stall barn in dairy cows with year-long outdoor experience: A case study. *APPLIED ANIMAL BEHAVIOUR SCIENCE*, 192(), 10-14. 10.1016/j.applanim.2016.11.003
- Shepley, E; Vasseur, E; Bergeron, R; Villeneuve, A; Lachance, S (2015). SHORT COMMUNICATION: Birdsfoot trefoil as a preventative treatment for gastrointestinal nematodes in pastured dairy heifers. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 95(4), 533-537. 10.4141/CJAS-2014-169
- Sheppard, KC; Duncan, IJH (2011). Feeding motivation on the incidence of floor eggs and extraneously calcified eggs laid by broiler breeder hens. *BRITISH POULTRY SCIENCE*, 52(1), 20-29. 10.1080/00071668.2010.550600
- Sherif, S; El-Sharkawy, I; Mathur, J; Ravindran, P; Kumar, P; Paliyath, G; Jayasankar, S (2015). A stable JAZ protein from peach mediates the transition from outcrossing to self-pollination. *BMC BIOLOGY*, 13(), . 10.1186/s12915-015-0124-6
- Sherif, S; El-Sharkawy, I; Paliyath, G; Jayasankar, S (2015). Molecular Insights into Plant-Phytopathogenic Bacteria Interactions. *PLANT MOLECULAR BIOLOGY REPORTER*, 33(4), 1116-1130. 10.1007/s11105-014-0822-1

- Sherrard, ME; Maherali, H (2012). Local adaptation across a fertility gradient is influenced by soil biota in the invasive grass, *Bromus inermis*. *EVOLUTIONARY ECOLOGY*, 26(3), 529-544. 10.1007/s10682-011-9518-2
- Shimizu, M; Bedecarrats, GY (2010). Activation of the chicken gonadotropin-inhibitory hormone receptor reduces gonadotropin releasing hormone receptor signaling. *GENERAL AND COMPARATIVE ENDOCRINOLOGY*, 167(2), 331-337. 10.1016/j.ygcen.2010.03.029
- Shock, DA; Coe, JB; LeBlanc, SJ; Leslie, KE; Renaud, D; Roche, S; Hand, K; Godkin, MA; Kelton, DF (2020). Characterizing the attitudes and motivations of Ontario dairy producers toward udder health. *JOURNAL OF DAIRY SCIENCE*, 103(5), 4618-4632. 10.3168/jds.2019-16621
- Shojadoost, B; Alizadeh, M; Boodhoo, N; Astill, J; Karimi, SH; Doost, JS; Taha-Abdelaziz, K; Kulkarni, R; Sharif, S (). Effects of Treatment with Lactobacilli on Necrotic Enteritis in Broiler Chickens. *PROBIOTICS AND ANTIMICROBIAL PROTEINS*, (), . 10.1007/s12602-021-09901-5
- Shojadoost, B; Kulkarni, RR; Yitbarek, A; Laursen, A; Taha-Abdelaziz, K; Alkie, TN; Barjesteh, N; Quinteiro, WM; Smith, TK; Sharif, S (2019). Dietary selenium supplementation enhances antiviral immunity in chickens challenged with low pathogenic avian influenza virus subtype H9N2. *VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY*, 207(), 62-68. 10.1016/j.vetimm.2018.12.002
- Shojadoost, B; Vince, AR; Prescott, JF (2012). The successful experimental induction of necrotic enteritis in chickens by *Clostridium perfringens*: a critical review. *VETERINARY RESEARCH*, 43(), . 10.1186/1297-9716-43-74
- Shrestha, NK; Allataifeh, N; Rudra, R; Daggupati, P; Goel, PK; Dickinson, T (2019). Identifying threshold storm events and quantifying potential impacts of climate change on sediment yield in a small upland agricultural watershed of Ontario. *HYDROLOGICAL PROCESSES*, 33(6), 920-931. 10.1002/hyp.13374
- Shrestha, NK; Rudra, RP; Daggupati, P; Goel, PK; Shukla, R (2021). A comparative evaluation of the continuous and event-based modelling approaches for identifying critical source areas for sediment and phosphorus losses. *JOURNAL OF ENVIRONMENTAL MANAGEMENT*, 277(), . 10.1016/j.jenvman.2020.111427
- Shu, J; Yu, ZH; Sun, WX; Zhao, J; Li, QL; Tang, LH; Guo, TX; Huang, SP; Mo, JY; Hsiang, T; Luo, SM (2020). Identification and Characterization of Pestalotioid Fungi Causing Leaf Spots on Mango in Southern China. *PLANT DISEASE*, 104(4), 1207-1213. 10.1094/PDIS-03-19-0438-RE
- Shunmugam, ASK; Kannan, U; Jiang, YF; Daba, KA; Gorim, LY (2018). Physiology Based Approaches for Breeding of Next-Generation Food Legumes. *PLANTS-BASEL*, 7(3), . 10.3390/plants7030072



- Siepielski, AM; Morrissey, MB; Buoro, M; Carlson, SM; Caruso, CM; Clegg, SM; Coulson, T; DiBattista, J; Gotanda, KM; Francis, CD; Hereford, J; Kingsolver, JG; Augustine, KE; Kruuk, LEB; Martin, RA; Sheldon, BC; Sletvold, N; Svensson, EI; Wade, MJ; MacColl, ADC (2017). Precipitation drives global variation in natural selection. *SCIENCE*, 355(6328), 959-+. 10.1126/science.aag2773
- Silva, GM; Podversich, F; Schulmeister, TM; Sanford, C; Cangiano, LR; Nelson, CD; DiLorenzo, N (2021). Impacts of polyclonal antibody preparations from avian origin as a feed additive to beef cattle: immune responses during the step-up transition diets. *JOURNAL OF ANIMAL SCIENCE*, 99(12), . 10.1093/jas/skab340
- Silva, KE; Huber, LA; Mansilla, WD; Shoveller, AK; Htoo, JK; Cant, JP; de Lange, CFM (2020). The effect of reduced dietary glycine and serine and supplemental threonine on growth performance, protein deposition in carcass and viscera, and skin collagen abundance of nursery pigs fed low crude protein diets. *JOURNAL OF ANIMAL SCIENCE*, 98(5), . 10.1093/jas/skaa157
- Silver, JJ (2013). Neoliberalizing coastal space and subjects: On shellfish aquaculture projections, interventions and outcomes in British Columbia, Canada. *JOURNAL OF RURAL STUDIES*, 32(), 430-438. 10.1016/j.jrurstud.2013.10.003
- Silvius, R; Campos-Flores, L; Dabrowska-Miciula, E; de Lima, P; Jean-Pierre, J; Cacho, P; Sotkasiira, T; Kerrigan, N; Bopp, T (2018). Ethnicity, race and Place Nexus - understanding migrant and minority ethnic health and wellbeing in rural areas in the EU and Canada. *EUROPEAN JOURNAL OF PUBLIC HEALTH*, 28(), 7-7.
- Simelton, E; Fraser, EDG; Termansen, M; Benton, TG; Gosling, SN; South, A; Arnell, NW; Challinor, AJ; Dougill, AJ; Forster, PM (2012). The socioeconomics of food crop production and climate change vulnerability: a global scale quantitative analysis of how grain crops are sensitive to drought. *FOOD SECURITY*, 4(2), 163-179. 10.1007/s12571-012-0173-4
- Simmons, SC; Elliott, C; Ford, M; Clayton, A; Lubitz, WD (2021). Archimedes screw generator powerplant assessment and field measurement campaign. *ENERGY FOR SUSTAINABLE DEVELOPMENT*, 65(), 144-161. 10.1016/j.esd.2021.09.007
- Simonton, TE; Robinson, D; Gillard, C; Jordan, K; Trueman, CL (2021). Transmission of *Xanthomonas gardneri* to tomato seedlings during transportation and transplanting. *CROP PROTECTION*, 141(), . 10.1016/j.cropro.2020.105472
- Simpson, H; de Loe, R; Andrey, J (2015). Vernacular Knowledge and Water Management - Towards the Integration of Expert Science and Local Knowledge in Ontario, Canada. *WATER ALTERNATIVES-AN INTERDISCIPLINARY JOURNAL ON WATER POLITICS AND DEVELOPMENT*, 8(3), 352-372.

- Simpson, HC; de Loe, RC (2017). The Agricultural Community as a Social Network in a Collaborative, Multi-Stakeholder Problem-Solving Process. *WATER*, 9(10), . 10.3390/w9100750
- Singh, AK; Coleman, TK; Tollenaar, MT; Lee, EA (2011). Nature of the Genetic Variation in an Elite Maize Breeding Cross. *CROP SCIENCE*, 51(1), 75-83. 10.2135/cropsci2010.06.0378
- Singh, HV; Thompson, AM; Gharabaghi, B (2017). Event Runoff and Sediment-Yield Neural Network Models for Assessment and Design of Management Practices for Small Agricultural Watersheds. *JOURNAL OF HYDROLOGIC ENGINEERING*, 22(2), . 10.1061/(ASCE)HE.1943-5584.0001457
- Singh, KG; Sharda, RK; Rudra, RP; Khan, AA (2014). Mechanization of Mulch Laying Process -A Boon in Sustaining Global Agricultural Production. *AMA- AGRICULTURAL MECHANIZATION IN ASIA AFRICA AND LATIN AMERICA*, 45(4), 39-42.
- Singh, SM; Alkie, TN; Hodgins, DC; Nagy, E; Shojadoost, B; Sharif, S (2015). Systemic immune responses to an inactivated, whole H9N2 avian influenza virus vaccine using class B CpG oligonucleotides in chickens. *VACCINE*, 33(32), 3947-3952. 10.1016/j.vaccine.2015.06.043
- Singh, SM; Alkie, TN; Nagy, E; Kulkarni, RR; Hodgins, DC; Sharif, S (2016). Delivery of an inactivated avian influenza virus vaccine adjuvanted with poly(D,L-lactic-co-glycolic acid) encapsulated CpG ODN induces protective immune responses in chickens. *VACCINE*, 34(40), 4807-4813. 10.1016/j.vaccine.2016.08.009
- Skinner, MW; Joseph, AE; Hanlon, N; Halseth, G; Ryser, L (2014). Growing old in resource communities: Exploring the links among voluntarism, aging, and community development. *CANADIAN GEOGRAPHER-GEOGRAPHE CANADIEN*, 58(4), 418-428. 10.1111/cag.12087
- Slade, P; Hailu, G (2016). Efficiency and regulation: a comparison of dairy farms in Ontario and New York State. *JOURNAL OF PRODUCTIVITY ANALYSIS*, 45(1), 103-115. 10.1007/s11123-015-0456-9
- Slatculescu, AM; Clow, KM; McKay, R; Talbot, B; Logan, JJ; Thickstun, CR; Jardine, CM; Ogden, NH; Knudby, AJ; Kulkarni, MA (2020). Species distribution models for the eastern blacklegged tick, *Ixodes scapularis*, and the Lyme disease pathogen, *Borrelia burgdorferi*, in Ontario, Canada. *PLOS ONE*, 15(9), . 10.1371/journal.pone.0238126
- Smith, AL; Hodgkinson, TR; Villellas, J; Catford, JA; Csergo, AM; Blomberg, SP; Crone, EE; Ehrlen, J; Garcia, MB; Laine, AL; Roach, DA; Salguero-Gomez, R; Wardle, GM; Childs, DZ; Elder, BD; Finn, A; Munne-Bosch, S; Baudraz, MEA; Bodis, J; Brearley, FQ; Bucharova, A; Caruso, CM; Duncan, RP; Dwyer, J; Gooden, B;

- Groenteman, R; Hamre, LN; Helm, A; Kelly, R; Laanisto, L; Lonati, M; Moore, JL; Morales, M; Olsen, SL; Partel, M; Petry, WK; Ramula, S; Rasmussen, PU; Enri, SR; Roeder, A; Roscher, C; Saastamoinen, M; Tack, AJM; Topper, JP; Vose, GE; Wandrag, EM; Wingler, A; Buckley, YM (2020). Global gene flow releases invasive plants from environmental constraints on genetic diversity. *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*, 117(8), 4218-4227. 10.1073/pnas.1915848117
- Smith, J; Wagner-Riddle, C; Dunfield, K (2010). Season and management related changes in the diversity of nitrifying and denitrifying bacteria over winter and spring. *APPLIED SOIL ECOLOGY*, 44(2), 138-146. 10.1016/j.apsoil.2009.11.004
- Smith, JL; Baute, TS; Sebright, MM; Schaafsma, AW; DiFonzo, CD (2018). Establishment of *Striacosta albicosta* (Lepidoptera: Noctuidae) as a Primary Pest of Corn in the Great Lakes Region. *JOURNAL OF ECONOMIC ENTOMOLOGY*, 111(4), 1732-1744. 10.1093/jee/toy138
- Smith, JL; DiFonzo, CD; Baute, TS; Michel, AP; Krupke, CH (2019). Ecology and Management of the Western Bean Cutworm (Lepidoptera: Noctuidae) in Corn and Dry Beans-Revision With Focus on the Great Lakes Region. *JOURNAL OF INTEGRATED PEST MANAGEMENT*, 10(1), . 10.1093/jipm/pmz025
- Smith, JL; Farhan, Y; Schaafsma, AW (2019). Practical Resistance of *Ostrinia nubilalis* (Lepidoptera: Crambidae) to Cry1F *Bacillus thuringiensis* maize discovered in Nova Scotia, Canada. *SCIENTIFIC REPORTS*, 9(), . 10.1038/s41598-019-54263-2
- Smith, MKM; Paleri, DM; Abdetwahab, M; Mielewski, DF; Misra, M; Mohanty, AK (2020). Sustainable composites from poly(3-hydroxybutyrate) (PHB) bioplastic and agave natural fibre. *GREEN CHEMISTRY*, 22(12), 3906-3916. 10.1039/d0gc00365d
- Smith, N (2012). Remote Homeland, Recovered Borderland: Manchus, Manchoukuo, and Manchuria, 1907-1985. *JOURNAL OF WORLD HISTORY*, 23(4), 1013-1015. 10.1353/jwh.2012.0118
- Smith, ND; Morozova, GS; Perez-Arlucea, M; Gibling, MR (2016). Dam-induced and natural channel changes in the below the EB Campbell Dam, Canada. *GEOMORPHOLOGY*, 269(), 186-202. 10.1016/j.geomorph.2016.06.041
- Smithers, J; Joseph, AE (2010). The trouble with authenticity: separating ideology from practice at the farmers' market. *AGRICULTURE AND HUMAN VALUES*, 27(2), 239-247. 10.1007/s10460-009-9250-5
- Sneyd, A (2017). Sustainable livelihoods and rural development. *CANADIAN JOURNAL OF DEVELOPMENT STUDIES-REVUE CANADIENNE D ETUDES DU DEVELOPPEMENT*, 38(1), 158-159. 10.1080/02255189.2016.1174673
- Snider, D; Thompson, K; Wagner-Riddle, C; Spoelstra, J; Dunfield, K (2015). Molecular techniques and stable isotope ratios at natural abundance give complementary

inferences about N<sub>2</sub>O production pathways in an agricultural soil following a rainfall event. *SOIL BIOLOGY & BIOCHEMISTRY*, 88(), 197-213.  
10.1016/j.soilbio.2015.05.021

SNO Collaboration; Aharmim, B; Ahmed, SN; Anthony, AE; Barros, N; Beier, EW; Bellerive, A; Beltran, B; Bergevin, M; Biller, SD; Blucher, E; Bonventre, R; Boudjemline, K; Boulay, MG; Cai, B; Callaghan, EJ; Caravaca, J; Chan, YD; Chauhan, D; Chen, M; Cleveland, BT; Cox, GA; Dai, X; Deng, H; Descamps, FB; Detwiler, JA; Doe, PJ; Doucas, G; Drouin, PL; Dunford, M; Elliott, SR; Evans, HC; Ewan, GT; Farine, J; Fergani, H; Fleurot, F; Ford, RJ; Formaggio, JA; Gagnon, N; Gilje, K; Goon, JT; Graham, K; Guillian, E; Habib, S; Hahn, RL; Hallin, AL; Hallman, ED; Harvey, PJ; Hazama, R; Heintzelman, WJ; Heise, J; Helmer, RL; Hime, A; Howard, C; Huang, M; Jagam, P; Jamieson, B; Jelley, NA; Jerkins, M; Keeter, KJ; Klein, JR; Kormos, LL; Kos, M; Kraus, C; Krauss, CB; Kruger, A; Kutter, T; Kyba, CCM; Labe, K; Land, BJ; Lange, R; LaTorre, A; Law, J; Lawson, IT; Lesko, KT; Leslie, JR; Levine, I; Loach, JC; MacLellan, R; Majerus, S; Mak, HB; Maneira, J; Martin, RD; Mastbaum, A; McCauley, N; McDonald, AB; McGee, SR; Miller, ML; Monreal, B; Monroe, J; Nickel, BG; Noble, AJ; O'Keeffe, HM; Oblath, NS; Okada, CE; Ollerhead, RW; Gann, GDO; Oser, SM; Ott, RA; Peeters, SJM; Poon, AWP; Prior, G; Reitzner, SD; Rielage, K; Robertson, BC; Robertson, RGH; Schwendener, MH; Secretst, JA; Seibert, SR; Simard, O; Sinclair, D; Skensved, P; Sonley, TJ; Stonehill, LC; Tesic, G; Tolich, N; Tsui, T; Van Berg, R; VanDevender, BA; Virtue, CJ; Wall, BL; Waller, D; Tseung, HWC; Wark, DL; Wendland, J; West, N; Wilkerson, JF; Wilson, JR; Winchester, T; Wright, A; Yeh, M; Zhang, F; Zuber, K (2020). Search for hep solar neutrinos and the diffuse supernova neutrino background using all three phases of the Sudbury Neutrino Observatory. *PHYSICAL REVIEW D*, 102(6), .  
10.1103/PhysRevD.102.062006

Soares, RAN; Vargas, G; Duffield, T; Schenkel, F; Squires, EJ (2021). Genome-wide association study and functional analyses for clinical and subclinical ketosis in Holstein cattle. *JOURNAL OF DAIRY SCIENCE*, 104(9), 10076-10089.  
10.3168/jds.2020-20101

Sokolov, V; VanderZaag, A; Habtewold, J; Dunfield, K; Wagner-Riddle, C; Venkiteswaran, J; Gordon, R (2019). Greenhouse gas emissions from gradually-filled liquid dairy manure storages with different levels of inoculant. *NUTRIENT CYCLING IN AGROECOSYSTEMS*, 115(3), 455-467. 10.1007/s10705-019-10023-2

Solano, L; Barkema, HW; Mason, S; Pajor, EA; LeBlanc, SJ; Orsel, K (2016). Prevalence and distribution of foot lesions in dairy cattle in Alberta, Canada. *JOURNAL OF DAIRY SCIENCE*, 99(8), 6828-6841. 10.3168/jds.2016-10941

Solano, L; Barkema, HW; Pajor, EA; Mason, S; LeBlanc, SJ; Nash, CGR; Haley, DB; Pellerin, D; Rushen, J; de Passille, AM; Vasseur, E; Orsel, K (2016). Associations between lying behavior and lameness in Canadian Holstein-Friesian cows housed

in freestall barns. *JOURNAL OF DAIRY SCIENCE*, 99(3), 2086-2101.  
10.3168/jds.2015-10336

- Solecki, AM; Skevington, JH; Buddle, CM; Wheeler, TA (2020). Phylogeography of higher Diptera in glacial and postglacial grasslands in western North America (vol 19, 53, 2019). *BMC ECOLOGY*, 20(1), . 10.1186/s12898-020-00302-w
- Soliman, A; Brown, R; Heck, RJ (2011). Separating near surface thermal inertia signals from a thermal time series by standardized principal component analysis. *INTERNATIONAL JOURNAL OF APPLIED EARTH OBSERVATION AND GEOINFORMATION*, 13(4), 607-615. 10.1016/j.jag.2011.03.004
- Soltani, K; Amiri, A; Zeynoddin, M; Ebtehaj, I; Gharabaghi, B; Bonakdari, H (2021). Forecasting monthly fluctuations of lake surface areas using remote sensing techniques and novel machine learning methods. *THEORETICAL AND APPLIED CLIMATOLOGY*, 143(1-2), 713-735. 10.1007/s00704-020-03419-6
- Soltani, N; Brown, LR; Sikkema, PH (2018). Weed Control in White Bean with Pethoxamid Tank-Mixes Applied Preemergence. *INTERNATIONAL JOURNAL OF AGRONOMY*, 2018(), . 10.1155/2018/2402696
- Soltani, N; Brown, LR; Sikkema, PH (2019). Weed Control in Corn and Soybean with Group 15 (VLCFA Inhibitor) Herbicides Applied Preemergence. *INTERNATIONAL JOURNAL OF AGRONOMY*, 2019(), . 10.1155/2019/8159671
- Soltani, N; Dille, JA; Robinson, DE; Sprague, CL; Morishita, DW; Lawrence, NC; Kniss, AR; Jha, P; Felix, J; Nurse, RE; Sikkema, PH (2018). Potential yield loss in sugar beet due to weed interference in the United States and Canada. *WEED TECHNOLOGY*, 32(6), 749-753. 10.1017/wet.2018.88
- Soltani, N; Mashhadi, HR; Mesgaran, MB; Cowbrough, M; Tardif, FJ; Chandler, K; Nurse, RE; Swanton, CJ; Sikkema, PH (2011). The effect of residual corn herbicides on injury and yield of soybean seeded in the same season. *CANADIAN JOURNAL OF PLANT SCIENCE*, 91(3), 571-576. 10.4141/CJPS10110
- Soltani, N; Nurse, RE; Jhala, AJ; Sikkema, PH (2019). The critical weed-free period in glyphosate-resistant soybean in Ontario is similar to previous estimates using glyphosate-susceptible soybean. *CANADIAN JOURNAL OF PLANT SCIENCE*, 99(4), 437-443. 10.1139/cjps-2018-0049
- Soltani, N; Nurse, RE; Robinson, DE; Sikkema, PH (2011). Effect of ammonium sulfate and water hardness on glyphosate and glufosinate activity in corn. *CANADIAN JOURNAL OF PLANT SCIENCE*, 91(6), 1053-1059. 10.4141/CJPS2011-047
- Soltani, N; Nurse, RE; Sikkema, PH (2016). Biologically effective dose of glyphosate as influenced by weed size in corn. *CANADIAN JOURNAL OF PLANT SCIENCE*, 96(3), 455-460. 10.1139/cjps-2015-0256

- Soltani, N; Nurse, RE; Sikkema, PH (2016). Response of glyphosate-resistant soybean to dicamba spray tank contamination during vegetative and reproductive growth stages. *CANADIAN JOURNAL OF PLANT SCIENCE*, 96(1), 160-164. 10.1139/cjps-2015-0175
- Soltani, N; Shropshire, C; Sikkema, PH (2010). Control of common cocklebur (*Xanthium strumarium* L.) in corn. *CANADIAN JOURNAL OF PLANT SCIENCE*, 90(6), 933-938. 10.4141/CJPS10065
- Soltani, N; Shropshire, C; Sikkema, PH (2020). Weed Control in Dicamba-Resistant Soybean with Glyphosate/Dicamba Applied at Various Doses and Timings. *INTERNATIONAL JOURNAL OF AGRONOMY*, 2020(), . 10.1155/2020/8903941
- Song, Y; Li, F; Fischer-Tlustos, AJ; Neves, ALA; He, Z; Steele, MA; Guan, LL (2021). Metagenomic analysis revealed the individualized shift in ileal microbiome of neonatal calves in response to delaying the first colostrum feeding. *JOURNAL OF DAIRY SCIENCE*, 104(8), 8783-8797. 10.3168/jds.2020-20068
- Song, Y; Sun, HZ; He, ZX; Fischer-Tlustos, A; Ma, T; Steele, M; Guan, LL (2021). Transcriptome analysis revealed that delaying first colostrum feeding postponed ileum immune system development of neonatal calves. *GENOMICS*, 113(6), 4116-4125. 10.1016/j.ygeno.2021.10.011
- Sorensen, IM; McBean, EA; Rahman, M (2014). Retrofitting arsenic-iron removal plants in rural Bangladesh for performance enhancement. *JOURNAL OF WATER SANITATION AND HYGIENE FOR DEVELOPMENT*, 4(3), 400-409. 10.2166/washdev.2014.122
- Sorge, US; Lissemore, K; Godkin, A; Jansen, J; Hendrick, S; Wells, S; Kelton, DF (2011). Changes in management practices and apparent prevalence on Canadian dairy farms participating in a voluntary risk assessment-based Johne's disease control program. *JOURNAL OF DAIRY SCIENCE*, 94(10), 5227-5237. 10.3168/jds.2010-3869
- Sorge, US; Lissemore, K; Godkin, A; Jansen, J; Hendrick, S; Wells, S; Kelton, DF (2012). Risk factors for herds to test positive for *Mycobacterium avium* ssp paratuberculosis-antibodies with a commercial milk enzyme-linked immunosorbent assay (ELISA) in Ontario and western Canada. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 53(9), 963-970.
- Sorge, US; Moon, RD; Stromberg, BE; Schroth, SL; Michels, L; Wolff, LJ; Kelton, DF; Heins, BJ (2015). Parasites and parasite management practices of organic and conventional dairy herds in Minnesota. *JOURNAL OF DAIRY SCIENCE*, 98(5), 3143-3151. 10.3168/jds.2014-9031
- Sorge, US; Mount, J; Kelton, DF; Godkin, A (2010). Veterinarians' perspective on a voluntary Johne's disease prevention program in Ontario and western Canada.

CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE, 51(4), 403-405.

Spaner, D; Iqbal, M; Navabi, A; Strenzke, K; Beres, B (2016). Parata hard red spring wheat. *CANADIAN JOURNAL OF PLANT SCIENCE*, 96(3), 517-524. 10.1139/cjps-2015-0311

Spaner, D; Iqbal, M; Navabi, A; Strenzke, K; Beres, B (2018). Zealand hard red spring wheat. *CANADIAN JOURNAL OF PLANT SCIENCE*, 98(6), 1409-1415. 10.1139/cjps-2018-0064

Spence, KL; O'Sullivan, TL; Poljak, Z; Greer, AL (2019). Descriptive analysis of horse movement networks during the 2015 equestrian season in Ontario, Canada. *PLOS ONE*, 14(7), . 10.1371/journal.pone.0219771

Spencer, JL; Osborne, V; Van Heyst, B (2021). AEROSOL AND GAS PHASE CONCENTRATIONS FROM AN ADAPTED ANNULAR DENUDEE SYSTEM IN A BROILER HOUSING FACILITY. *TRANSACTIONS OF THE ASABE*, 64(3), 1049-1062. 10.13031/trans.14050

Spencer, JL; Van Heyst, BJ (2013). Effect of different intermediate amendments on pH and ammonia emissions of composted poultry mortalities. *JOURNAL OF APPLIED POULTRY RESEARCH*, 22(4), 700-714. 10.3382/japr.2012-00632

St Paul, M; Mallick, AI; Haq, K; Orouji, S; Abdul-Careem, MF; Sharif, S (2011). In vivo administration of ligands for chicken toll-like receptors 4 and 21 induces the expression of immune system genes in the spleen. *VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY*, 144(3-4), 228-237. 10.1016/j.vetimm.2011.09.004

St Paul, M; Paolucci, S; Read, LR; Sharif, S (2012). Characterization of responses elicited by Toll-like receptor agonists in cells of the bursa of Fabricius in chickens. *VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY*, 149(3-4), 237-244. 10.1016/j.vetimm.2012.07.008

Stahel, P; Cant, JP; MacPherson, JAR; Berends, H; Steele, MA (2016). A Mechanistic Model of Intermittent Gastric Emptying and Glucose-Insulin Dynamics following a Meal Containing Milk Components. *PLOS ONE*, 11(6), . 10.1371/journal.pone.0156443

Stajkowski, S; Kumar, D; Samui, P; Bonakdari, H; Gharabaghi, B (2020). Genetic-Algorithm-Optimized Sequential Model for Water Temperature Prediction. *SUSTAINABILITY*, 12(13), . 10.3390/su12135374

Stang, C; Gharabaghi, B; Rudra, R; Golmohammadi, G; Mahboubi, AA; Ahmed, SI (2016). Conservation management practices: Success story of the Hog Creek and Sturgeon River watersheds, Ontario, Canada. *JOURNAL OF SOIL AND WATER CONSERVATION*, 71(3), 237-248. 10.2489/jswc.71.3.237

- Stanton, AL; Kelton, DE; LeBlanc, SJ; Wormuth, J; Fox, LK; Leslie, KE (2013). Effects of tulathromycin on incidence of various diseases and growth of young heifers. *JAVMA-JOURNAL OF THE AMERICAN VETERINARY MEDICAL ASSOCIATION*, 243(2), 267-276. 10.2460/javma.243.2.267
- Steele, V; Patterson, K; Berrang-Ford, L; King, N; Kulkarni, M; Lwasa, S; Namanya, DB; Harper, SL (). Antenatal Care Research in East Africa During the Millennium Development Goals Initiative: A Scoping Review. *MATERNAL AND CHILD HEALTH JOURNAL*, (), . 10.1007/s10995-021-03355-5
- Steiner, AR; Flammer, SA; Beausoleil, NJ; Berg, C; Bettschart-Wolfensberger, R; Pinillos, RG; Golledge, HDR; Marahrens, M; Meyer, R; Schnitzer, T; Toscano, MJ; Turner, PV; Weary, DM; Gent, TC (2019). Humanely Ending the Life of Animals: Research Priorities to Identify Alternatives to Carbon Dioxide. *ANIMALS*, 9(11), . 10.3390/ani9110911
- Steinke, D; Bernard, AM; Horn, RL; Hilton, P; Hanner, R; Shivji, MS (2017). DNA analysis of traded shark fins and mobulid gill plates reveals a high proportion of species of conservation concern. *SCIENTIFIC REPORTS*, 7(), . 10.1038/s41598-017-10123-5
- Stewart-Hunt, L; Pratt-Phillips, S; McCutcheon, LJ; Geor, RJ (2010). Dietary energy source and physical conditioning affect insulin sensitivity and skeletal muscle glucose metabolism in horses. *EQUINE VETERINARY JOURNAL*, 42(), 355-360. 10.1111/j.2042-3306.2010.00255.x
- Stewart, CL; Nurse, RE; Hamill, AS; Sikkema, PH (2010). Environment and Soil Conditions Influence Pre- and Postemergence Herbicide Efficacy in Soybean. *WEED TECHNOLOGY*, 24(3), 234-243. 10.1614/WT-09-009.1
- Stewart, CL; Nurse, RE; Van Eerd, LL; Vyn, RJ; Sikkema, PH (2011). Weed Control, Environmental Impact, and Economics of Weed Management Strategies in Glyphosate-Resistant Soybean. *WEED TECHNOLOGY*, 25(4), 535-541. 10.1614/WT-D-10-00116.1
- Stoffyn, OM; Tsao, R; Liu, RH; Wolyn, DJ (2012). The effects of environment and storage on rutin concentration in two asparagus cultivars grown in southern Ontario. *CANADIAN JOURNAL OF PLANT SCIENCE*, 92(5), 901-912. 10.4141/CJPS2012-022
- Stoica, C; Cox, G (2021). Old problems and new solutions: antibiotic alternatives in food animal production. *CANADIAN JOURNAL OF MICROBIOLOGY*, 67(6), 427-444. 10.1139/cjm-2020-0601
- Stojkov, J; von Keyserlingk, MAG; Duffield, T; Fraser, D (2020). Management of cull dairy cows: Culling decisions, duration of transport, and effect on cow condition. *JOURNAL OF DAIRY SCIENCE*, 103(3), 2636-2649. 10.3168/jds.2019-17435



- Stonos, N; Wootton, SK; Quinton, M; Karrow, N (2013). Seroprevalence of small ruminant lentivirus infection in Ontario goat herds. *SMALL RUMINANT RESEARCH*, 114(2-3), 284-288. 10.1016/j.smallrumres.2013.06.016
- Stoop, CL; Thompson-Crispi, KA; Cartwright, SL; Mallard, BA (2016). Short communication: Variation in production parameters among Canadian Holstein cows classified as high, average, and low immune responders. *JOURNAL OF DAIRY SCIENCE*, 99(6), 4870-4874. 10.3168/jds.2015-10145
- Stothard, P; Liao, XP; Arantes, AS; De Pauw, M; Coros, C; Plastow, GS; Sargolzaei, M; Crowley, JJ; Basarab, JA; Schenkel, F; Moore, S; Miller, SP (2015). A large and diverse collection of bovine genome sequences from the Canadian Cattle Genome Project. *GIGASCIENCE*, 4(), . 10.1186/s13742-015-0090-5
- Straub, CS; Faselt, JA; Keyser, ES; Traugott, M (2020). Host plant resistance promotes a secondary pest population. *ECOSPHERE*, 11(3), . 10.1002/ecs2.3073
- Streiter, PJ; Campbell, CP; Mandell, IB (2012). The effects of skeletal separation and moisture enhancement for improving the eating quality of cull cow beef. *MEAT SCIENCE*, 92(4), 400-408. 10.1016/j.meatsci.2012.05.002
- Streletskaya, NA; Bell, SD; Kecinski, M; Li, T; Banerjee, S; Palm-Forster, LH; Pannell, D (2020). Agricultural Adoption and Behavioral Economics: Bridging the Gap. *APPLIED ECONOMIC PERSPECTIVES AND POLICY*, 42(1), 54-66. 10.1002/aepp.13006
- Stringer, LC; Fraser, EDG; Harris, D; Lyon, C; Pereira, L; Ward, CFM; Simelton, E (2020). Adaptation and development pathways for different types of farmers. *ENVIRONMENTAL SCIENCE & POLICY*, 104(), 174-189. 10.1016/j.envsci.2019.10.007
- Stryker, JA; Fisher, R; You, Q; Or-Rashid, MM; Boermans, HJ; Quinton, M; McBride, BW; Karrow, NA (2013). Effects of dietary fish meal and soybean meal on the ovine innate and acquired immune response during pregnancy and lactation. *ANIMAL*, 7(1), 151-159. 10.1017/S175173111200136X
- Studd, EK; Menzies, AK; Siracusa, ER; Dantzer, B; Lane, JE; McAdam, AG; Boutin, S; Humphries, MM (2020). Optimisation of energetic and reproductive gains explains behavioural responses to environmental variation across seasons and years. *ECOLOGY LETTERS*, 23(5), 841-850. 10.1111/ele.13494
- Su, Y; Mangada, LL (2018). A tide that does not lift all boats: the surge of remittances in post-disaster recovery in Tacloban City, Philippines. *CRITICAL ASIAN STUDIES*, 50(1), 67-85. 10.1080/14672715.2017.1401935
- Suding, KN; Harpole, WS; Fukami, T; Kulmatiski, A; MacDougall, AS; Stein, C; van der Putten, WH (2013). Consequences of plant-soil feedbacks in invasion. *JOURNAL OF ECOLOGY*, 101(2), 298-308. 10.1111/1365-2745.12057

- Sumner, J; Mair, H; Nelson, E (2010). Putting the culture back into agriculture: civic engagement, community and the celebration of local food. *INTERNATIONAL JOURNAL OF AGRICULTURAL SUSTAINABILITY*, 8(1-2), 54-61. 10.3763/ijas.2009.0454
- Sun, WJ; Liu, WJ; Cui, LF; Zhang, ML; Wang, B (2013). Characterization and identification of a chlorine-resistant bacterium, *Sphingomonas* TS001, from a model drinking water distribution system. *SCIENCE OF THE TOTAL ENVIRONMENT*, 458(), 169-175. 10.1016/j.scitotenv.2013.04.030
- Sun, ZX; Hsiang, T (2016). First Report of *Sclerotinia sclerotiorum* on Periwinkle (*Catharanthus roseus*) in Ontario, Canada.. *PLANT DISEASE*, 100(8), 1789-1790. 10.1094/PDIS-11-15-1246-PDN
- Sutton, AO; Strickland, D; Freeman, NE; Norris, DR (2021). Climate-driven carry-over effects negatively influence population growth rate in a food-caching boreal passerine. *GLOBAL CHANGE BIOLOGY*, 27(5), 983-992. 10.1111/gcb.15445
- Swanton, CJ; Nkoa, R; Blackshaw, RE (2015). Experimental Methods for Crop-Weed Competition Studies. *WEED SCIENCE*, 63(), 2-11. 10.1614/WS-D-13-00062.1
- Sweett, H; Fonseca, PAS; Suarez-Vega, A; Livernois, A; Miglior, F; Canovas, A (2020). Genome-wide association study to identify genomic regions and positional candidate genes associated with male fertility in beef cattle. *SCIENTIFIC REPORTS*, 10(1), . 10.1038/s41598-020-75758-3
- Swetha, RK; Bende, P; Singh, K; Gorthi, S; Biswas, A; Li, B; Weindorf, DC; Chakraborty, S (2020). Predicting soil texture from smartphone-captured digital images and an application. *GEODERMA*, 376(), . 10.1016/j.geoderma.2020.114562
- Swinnen, J; Weersink, A (2013). Challenges and policy options in the global bio-economy: introduction and overview. *AGRICULTURAL ECONOMICS*, 44(4-5), 379-380. 10.1111/agec.12021
- Sylvain, R (2013). The Ju/'hoan San of Nyae Nyae and Namibian Independence: Development, Democracy, and Indigenous Voices in Southern Africa.. *JOURNAL OF ANTHROPOLOGICAL RESEARCH*, 69(4), 581-582.
- Sylvain, R (2014). Essentialism and the Indigenous Politics of Recognition in Southern Africa. *AMERICAN ANTHROPOLOGIST*, 116(2), 251-264. 10.1111/aman.12087
- Taghavi, T; Dale, A; Hughes, B; Zandstra, J (2016). The performance of dayneutral strawberries differs between environments in Ontario. *CANADIAN JOURNAL OF PLANT SCIENCE*, 96(4), 662-669. 10.1139/cjps-2015-0276
- Taha-Abdelaziz, K; Astill, J; Shojadoost, B; Borrelli, S; Monteiro, MA; Sharif, S (2020). *Campylobacter*-derived ligands induce cytokine and chemokine expression in

chicken macrophages and cecal tonsil mononuclear cells. *VETERINARY MICROBIOLOGY*, 246(), . 10.1016/j.vetmic.2020.108732

- Tamburic-Ilicic, L (2012). Effect of 3B, 5A and 3A QTL for Fusarium head blight resistance on agronomic and quality performance of Canadian winter wheat. *PLANT BREEDING*, 131(6), 722-727. 10.1111/pbr.12005
- Tamburic-Ilicic, L; Rosa, SB (2019). QTL mapping of Fusarium head blight and Septoria tritici blotch in an elite hard red winter wheat population. *MOLECULAR BREEDING*, 39(7), . 10.1007/s11032-019-0999-y
- Tang, JT; Zheng, L; Jia, Q; Liu, H; Hsiang, T; Huang, JB (2017). PCR Markers Derived from Comparative Genomics for Detection and Identification of the Rice Pathogen *Ustilagoidea vires* in Plant Tissues. *PLANT DISEASE*, 101(8), 1515-1521. 10.1094/PDIS-08-16-1088-RE
- Tang, LH; Mo, JY; Guo, TX; Huang, SP; Li, QL; Ning, P; Hsiang, T (2020). In vitro antifungal activity of dimethyl trisulfide against *Colletotrichum gloeosporioides* from mango. *WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY*, 36(1), . 10.1007/s11274-019-2781-z
- Taraky, YM; McBean, E; Liu, YB; Daggupati, P; Shrestha, NK; Jiang, A; Gharabaghi, B (2021). The Role of Large Dams in a Transboundary Drought Management Co-Operation Framework-Case Study of the Kabul River Basin. *WATER*, 13(19), . 10.3390/w13192628
- Tatone, EH; Duffield, TF; Capel, MB; DeVries, TJ; LeBlanc, SJ; Gordon, JL (2016). A randomized controlled trial of dexamethasone as an adjunctive therapy to propylene glycol for treatment of hyperketonemia in postpartum dairy cattle. *JOURNAL OF DAIRY SCIENCE*, 99(11), 8991-9000. 10.3168/jds.2016-11358
- Tatone, EH; Duffield, TF; LeBlanc, SJ; DeVries, TJ; Gordon, JL (2017). Investigating the within-herd prevalence and risk factors for ketosis in dairy cattle in Ontario as diagnosed by the test-day concentration of beta-hydroxybutyrate in milk. *JOURNAL OF DAIRY SCIENCE*, 100(2), 1308-1318. 10.3168/jds.2016-11453
- Tatone, EH; Gordon, JL; Hubbs, J; LeBlanc, SJ; DeVries, TJ; Duffield, TF (2016). A systematic review and meta-analysis of the diagnostic accuracy of point-of-care tests for the detection of hyperketonemia in dairy cows. *PREVENTIVE VETERINARY MEDICINE*, 130(), 18-32. 10.1016/j.prevetmed.2016.06.002
- Taveira, CJ; Farrell, RE; Wagner-Riddle, C; Machado, PVF; Deen, B; Congreves, KA (2020). Tracing crop residue N into subsequent crops: Insight from long-term crop rotations that vary in diversity. *FIELD CROPS RESEARCH*, 255(), . 10.1016/j.fcr.2020.107904
- Tedeschi, LO; Bureau, DP; Ferket, PR; Trottier, NL (2021). ASAS-NANP SYMPOSIUM: Mathematical modeling in animal nutrition: training the future generation in data

and predictive analytics for sustainable development. A Summary. *JOURNAL OF ANIMAL SCIENCE*, 99(2), . 10.1093/jas/skab023

Teissier, M; Larroque, H; Brito, LF; Rupp, R; Schenkel, FS; Robert-Granie, C (2020). Genomic predictions based on haplotypes fitted as pseudo-SNP for milk production and udder type traits and SCS in French dairy goats. *JOURNAL OF DAIRY SCIENCE*, 103(12), 11559-11573. 10.3168/jds.2020-18662

Tenbergen, R; O'Sullivan, T; Poljak, Z; DeLay, J; Charbonneau, G (2016). Persistence of clinical signs associated with rotavirus following an outbreak of porcine epidemic diarrhea (PED) on a farrow-to-grow swine operation in southwestern Ontario. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 57(6), 610-613.

Termansen, M; Chapman, DS; Quinn, CH; Fraser, EDG; Jin, N; Beharry-Borg, N; Hubacek, K (2019). Modelling land use dynamics in socio-ecological systems: A case study in the UK uplands. *RESILIENCE IN COMPLEX SOCIO-ECOLOGICAL SYSTEMS*, 60(), 125-152. 10.1016/bs.aecr.2019.03.002

Tesfaendrias, MT; Mcdonald, MR; Macdonald, MM; Peters, RD; Barasubiye, T; Seifert, KA (2013). Fusarium root rot and crown rot of carrots in Ontario and Prince Edward Island. *CANADIAN JOURNAL OF PLANT PATHOLOGY*, 35(1), 127-127.

Tesfaendriasl, MT; McDonald, MR; Warland, J (2013). Long-term Yield of Horticultural Crops in Wisconsin in Relation to Seasonal Climate in Comparison with Southern Ontario, Canada. *HORTSCIENCE*, 48(7), 863-869. 10.21273/HORTSCI.48.7.863

Tetlock, E; Toth, B; Berg, A; Rowlandson, T; Ambadan, JT (2019). An 11-year (2007-2017) soil moisture and precipitation dataset from the Kenaston Network in the Brightwater Creek basin, Saskatchewan, Canada. *EARTH SYSTEM SCIENCE DATA*, 11(2), 787-796. 10.5194/essd-11-787-2019

Thakur, KK; Revie, CW; Hurnik, D; Poljak, Z; Sanchez, J (2016). Analysis of Swine Movement in Four Canadian Regions: Network Structure and Implications for Disease Spread. *TRANSBOUNDARY AND EMERGING DISEASES*, 63(1), E14-E26. 10.1111/tbed.12225

Thakur, KK; Sanchez, J; Hurnik, D; Poljak, Z; Opps, S; Revie, CW (2015). Development of a network based model to simulate the between-farm transmission of the porcine reproductive and respiratory syndrome virus. *VETERINARY MICROBIOLOGY*, 180(3-4), 212-222. 10.1016/j.vetmic.2015.09.010

Thanabalan, A; Kiarie, EG (2021). Influence of Feeding Omega-3 Polyunsaturated Fatty Acids to Broiler Breeders on Indices of Immunocompetence, Gastrointestinal, and Skeletal Development in Broiler Chickens. *FRONTIERS IN VETERINARY SCIENCE*, 8(), . 10.3389/fvets.2021.653152

- Thanabalan, A; Moats, J; Kiarie, EG (2020). Effects of feeding broiler breeder hens a coextruded full -fat flaxseed and pulses mixture without or with multienzyme supplement. *POULTRY SCIENCE*, 99(5), 2616-2623. 10.1016/j.psj.2019.12.062
- Thilakarathna, MS; Chapagain, T; Ghimire, B; Pudasaini, R; Tamang, BB; Gurung, K; Choi, K; Rai, L; Magar, S; Bishnu, BK; Gaire, S; Raizada, MN (2019). Evaluating the Effectiveness of Rhizobium Inoculants and Micronutrients as Technologies for Nepalese Common Bean Smallholder Farmers in the Real-World Context of Highly Variable Hillside Environments and Indigenous Farming Practices. *AGRICULTURE-BASEL*, 9(1), . 10.3390/agriculture9010020
- Thilakarathna, MS; Raizada, MN (2015). A Review of Nutrient Management Studies Involving Finger Millet in the Semi-Arid Tropics of Asia and Africa. *AGRONOMY-BASEL*, 5(3), 262-290. 10.3390/agronomy5030262
- Thomas-Francois, K; Joppe, M; von Massow, M (2018). Improving Linkages Through a Service-oriented Local Farmers-Hotel Supply Chain-An Explanatory Case in Grenada. *TOURISM PLANNING & DEVELOPMENT*, 15(4), 398-418. 10.1080/21568316.2017.1338200
- Thomas-Francois, K; von Massow, M; Joppe, M (2017). Service-oriented, sustainable, local food value chain - A case study. *ANNALS OF TOURISM RESEARCH*, 65(), 83-96. 10.1016/j.annals.2017.05.008
- Thomas-Francois, K; Von Massow, M; Joppe, M (2017). Strengthening Farmers-Hotel Supply Chain Relationships: A Service Management Approach. *TOURISM PLANNING & DEVELOPMENT*, 14(2), 198-219. 10.1080/21568316.2016.1204359
- Thomas, JA; Berg, AA; Merryfield, WJ (2016). Influence of snow and soil moisture initialization on sub-seasonal predictability and forecast skill in boreal spring. *CLIMATE DYNAMICS*, 47(1-2), 49-65. 10.1007/s00382-015-2821-9
- Thomas, VG; Guitart, R (2010). Limitations of European Union Policy and Law for Regulating Use of Lead Shot and Sinkers: Comparisons with North American Regulation. *ENVIRONMENTAL POLICY AND GOVERNANCE*, 20(1), 57-72. 10.1002/eet.527
- Thompson-Crispi, K; Ventura, R; Schenkel, F; Miglior, F; Mallard, B (2012). Genomic selection for enhanced immune response to improve dairy cattle health. *GENOME*, 55(10), 721-721.
- Thompson-Crispi, KA; Mallard, BA (2012). Type 1 and type 2 immune response profiles of commercial dairy cows in 4 regions across Canada. *CANADIAN JOURNAL OF VETERINARY RESEARCH-REVUE CANADIENNE DE RECHERCHE VETERINAIRE*, 76(2), 120-128.
- Thompson-Crispi, KA; Miglior, F; Mallard, BA (2013). Incidence Rates of Clinical Mastitis among Canadian Holsteins Classified as High, Average, or Low Immune

Responders. *CLINICAL AND VACCINE IMMUNOLOGY*, 20(1), 106-112.  
10.1128/CVI.00494-12

Thompson-Crispi, KA; Sargolzaei, M; Ventura, R; Abo-Ismael, M; Miglior, F; Schenkel, F; Mallard, BA (2014). A genome-wide association study of immune response traits in Canadian Holstein cattle. *BMC GENOMICS*, 15(), . 10.1186/1471-2164-15-559

Thompson, EE; Post, YL; McBean, EA (2017). A decade of drinking water advisories: Historical evidence of frequency, duration and causes. *CANADIAN WATER RESOURCES JOURNAL*, 42(4), 378-390. 10.1080/07011784.2017.1387609

Thompson, KA; Bent, E; Abalos, D; Wagner-Riddle, C; Dunfield, KE (2016). Soil microbial communities as potential regulators of in situ N<sub>2</sub>O fluxes in annual and perennial cropping systems. *SOIL BIOLOGY & BIOCHEMISTRY*, 103(), 262-273. 10.1016/j.soilbio.2016.08.030

Thompson, MEH; Raizada, MN (2018). Fungal Pathogens of Maize Gaining Free Passage Along the Silk Road. *PATHOGENS*, 7(4), . 10.3390/pathogens7040081

Thornley, JHM; Parsons, AJ (2014). Allocation of new growth between shoot, root and mycorrhiza in relation to carbon, nitrogen and phosphate supply: Teleonomy with maximum growth rate. *JOURNAL OF THEORETICAL BIOLOGY*, 342(), 1-14. 10.1016/j.jtbi.2013.10.003

Tian, M; Min, QW; Jiao, WJ; Yuan, Z; Fuller, AM; Yang, L; Zhang, YX; Zhou, J; Cheng, B (2016). Agricultural Heritage Systems Tourism: definition, characteristics and development framework. *JOURNAL OF MOUNTAIN SCIENCE*, 13(3), 440-454. 10.1007/s11629-015-3724-2

Tinker-Kulberg, R; Dellinger, K; Brady, TE; Robertson, L; Levy, JH; Abood, SK; LaDuca, FM; Kepley, CL; Dellinger, AL (2020). Horseshoe Crab Aquaculture as a Sustainable Endotoxin Testing Source. *FRONTIERS IN MARINE SCIENCE*, 7(), . 10.3389/fmars.2020.00153

Tittonell, P; Fernandez, M; El Mujtar, VE; Preiss, PV; Sarapura, S; Laborda, L; Mendonca, MA; Alvarez, VE; Fernandes, GB; Petersen, P; Cardoso, IM (2021). Emerging responses to the COVID-19 crisis from family farming and the agroecology movement in Latin America-A rediscovery of food, farmers and collective action. *AGRICULTURAL SYSTEMS*, 190(), . 10.1016/j.agsy.2021.103098

Todd, CG; Millman, ST; McKnight, DR; Duffield, TF; Leslie, KE (2010). Nonsteroidal anti-inflammatory drug therapy for neonatal calf diarrhea complex: Effects on calf performance. *JOURNAL OF ANIMAL SCIENCE*, 88(6), 2019-2028. 10.2527/jas.2009-2340

Toerien, CA; Trout, DR; Cant, JP (2010). Nutritional Stimulation of Milk Protein Yield of Cows Is Associated with Changes in Phosphorylation of Mammary Eukaryotic

Initiation Factor 2 and Ribosomal S6 Kinase 1. *JOURNAL OF NUTRITION*, 140(2), 285-292. 10.3945/jn.109.114033

Toivonen, PMA; Stoochnoff, J; Usher, K; Lu, CW; Wiersma, PA; Zhou, CH (2019). Biochemical and Gene Expression Involved in Red Blush Color Development in 'Ambrosia' Apple. *JOURNAL OF THE AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE*, 144(3), 164-171. 10.21273/JASHS04606-18

Tolhurst, TN; Ker, AP (2015). On Technological Change in Crop Yields. *AMERICAN JOURNAL OF AGRICULTURAL ECONOMICS*, 97(1), 137-158. 10.1093/ajae/aau082

Tomberli, B; Rahemtulla, A; Kim, E; Roorda, S; Kycia, S (2015). Germanene-like defects in amorphous germanium revealed by three-dimensional visualization of high-resolution pair-distribution functions. *PHYSICAL REVIEW B*, 92(6), . 10.1103/PhysRevB.92.064204

Tomimatsu, H; Sasaki, T; Kurokawa, H; Bridle, JR; Fontaine, C; Kitano, J; Stouffer, DB; Vellend, M; Bezemer, TM; Fukami, T; Hadly, EA; van der Heijden, MGA; Kawata, M; Kefi, S; Kraft, NJB; McCann, KS; Mumby, PJ; Nakashizuka, T; Petchey, OL; Romanuk, TN; Suding, KN; Takimoto, G; Urabe, J; Yachi, S (2013). Sustaining ecosystem functions in a changing world: a call for an integrated approach. *JOURNAL OF APPLIED ECOLOGY*, 50(5), 1124-1130. 10.1111/1365-2664.12116

Topp, E; Irwin, R; McAllister, T; Lessard, M; Joensuu, JJ; Kolotilin, I; Conrad, U; Stoger, E; Mor, T; Warzecha, H; Hall, JC; McLean, MD; Cox, E; Devriendt, B; Potter, A; Depicker, A; Virdi, V; Holbrook, L; Doshi, K; Dussault, M; Friendship, R; Yarosh, O; Yoo, HS; MacDonald, J; Menassa, R (2016). The case for plant-made veterinary immunotherapeutics. *BIOTECHNOLOGY ADVANCES*, 34(5), 597-604. 10.1016/j.biotechadv.2016.02.007

Torbick, N; Persson, A; Olefeldt, D; Froking, S; Salas, W; Hagen, S; Crill, P; Li, CS (2012). High Resolution Mapping of Peatland Hydroperiod at a High-Latitude Swedish Mire. *REMOTE SENSING*, 4(7), 1974-1994. 10.3390/rs4071974

Torrey, S; Bergeron, R; Faucitano, L; Widowski, T; Lewis, N; Crowe, T; Correa, JA; Brown, J; Hayne, S; Gonyou, HW (2013). Transportation of market-weight pigs: II. Effect of season and location within truck on behavior with an eight-hour transport. *JOURNAL OF ANIMAL SCIENCE*, 91(6), 2872-2878. 10.2527/jas.2012-6006

Torrey, S; Bergeron, R; Widowski, T; Lewis, N; Crowe, T; Correa, JA; Brown, J; Gonyou, HW; Faucitano, L (2013). Transportation of market-weight pigs: I. Effect of season, truck type, and location within truck on behavior with a two-hour transport. *JOURNAL OF ANIMAL SCIENCE*, 91(6), 2863-2871. 10.2527/jas.2012-6005

Tosi, M; Brown, S; Machado, PVF; Wagner-Riddle, C; Dunfield, K (2020). Short-term response of soil N-cycling genes and transcripts to fertilization with nitrification and

urease inhibitors, and relationship with field-scale N<sub>2</sub>O emissions. *SOIL BIOLOGY & BIOCHEMISTRY*, 142(), . 10.1016/j.soilbio.2019.107703

- Totafurno, AD; Huber, LA; Mansilla, WD; de Lange, CFM; Mandell, IB (2020). Temporary lysine restriction in newly weaned pigs does not affect carcass and loin quality at slaughter. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 100(2), 368-380. 10.1139/cjas-2019-0154
- Totafurno, AD; Huber, LA; Mansilla, WD; Wey, D; Mandell, IB; De Lange, CFM (2019). The effects of a temporary lysine restriction in newly weaned pigs on growth performance and body composition. *JOURNAL OF ANIMAL SCIENCE*, 97(9), 3859-3870. 10.1093/jas/skz196
- Tran, ST; Smith, TK (2013). A survey of free and conjugated deoxynivalenol in the 2009, 2010 and 2011 cereal crops in Australia. *ANIMAL PRODUCTION SCIENCE*, 53(5), 407-412. 10.1071/AN12081
- Traquair, JA; Hildebrand, PD; Langdon, DH; Boland, GJ; Sabaratnam, S (2012). Preliminary survey of blueberry yeasts and their potential for disease control. *PHYTOPATHOLOGY*, 102(7), 121-121.
- Trenouth, WR; Gharabaghi, B; MacMillan, G; Bradford, A (2013). Better management of construction sites to protect inland waters. *INLAND WATERS*, 3(2), 167-178. 10.5268/IW-3.2.515
- Treseder, KK; Allen, EB; Egerton-Warburton, LM; Hart, MM; Klironomos, JN; Maherali, H; Tedersoo, L (2018). Arbuscular mycorrhizal fungi as mediators of ecosystem responses to nitrogen deposition: A trait-based predictive framework. *JOURNAL OF ECOLOGY*, 106(2), 480-489. 10.1111/1365-2745.12919
- Trillo, A; Montero-Castano, A; Gonzalez-Varo, JP; Gonzalez-Moreno, P; Ortiz-Sanchez, FJ; Vila, M (2019). Contrasting occurrence patterns of managed and native bumblebees in natural habitats across a greenhouse landscape gradient. *AGRICULTURE ECOSYSTEMS & ENVIRONMENT*, 272(), 230-236. 10.1016/j.agee.2018.11.018
- Trillo, A; Montero-Castano, A; Vila, M (2020). Seasonality of bumblebee spillover between strawberry crops and adjacent pinewoods. *APIDOLOGIE*, 51(6), 1051-1061. 10.1007/s13592-020-00782-1
- Tucker, AL; Atkinson, JL; Millman, ST; Widowski, TM (2010). Metabolic indicators of nutritional stress are not predictive of abnormal oral behavior in piglets. *PHYSIOLOGY & BEHAVIOR*, 100(4), 277-283. 10.1016/j.physbeh.2010.02.016
- Tucker, MA; Alexandrou, O; Bierregaard, RO; Bildstein, KL; Bohning-Gaese, K; Bracis, C; Brzorad, JN; Buechley, ER; Cabot, D; Calabrese, JM; Carrapato, C; Chiaradia, A; Davenport, LC; Davidson, SC; Desholm, M; DeSorbo, CR; Domenech, R; Enggist, P; Fagan, WF; Farwig, N; Fiedler, W; Fleming, CH; Franke, A; Fryxell, JM;



- Garcia-Ripolles, C; Gremillet, D; Griffin, LR; Harel, R; Kane, A; Kays, R; Kleyheeg, E; Lacy, AE; LaPoint, S; Liminana, R; Lopez-Lopez, P; Maccarone, AD; Mellone, U; Mojica, EK; Nathan, R; Newman, SH; Noonan, MJ; Opper, S; Prostor, M; Rees, EC; Ropert-Coudert, Y; Rosner, S; Sapir, N; Schabo, D; Schmidt, M; Schulz, H; Shariati, M; Shreading, A; Silva, JP; Skov, H; Spiegel, O; Takekawa, JY; Teitelbaum, CS; van Toor, ML; Urios, V; Vidal-Mateo, J; Wang, Q; Watts, BD; Wikelski, M; Wolter, K; Zydalis, R; Mueller, T (2019). Large birds travel farther in homogeneous environments. *GLOBAL ECOLOGY AND BIOGEOGRAPHY*, 28(5), 576-587. 10.1111/geb.12875
- Tunney, TD; McCann, KS; Jarvis, L; Lester, NP; Shuter, BJ (2018). Blinded by the light? Nearshore energy pathway coupling and relative predator biomass increase with reduced water transparency across lakes. *OECOLOGIA*, 186(4), 1031-1041. 10.1007/s00442-017-4049-3
- Turetsky, MR; Abbott, BW; Jones, MC; Anthony, KW; Olefeldt, D; Schuur, EAG; Grosse, G; Kuhry, P; Hugelius, G; Koven, C; Lawrence, DM; Gibson, C; Sannel, ABK; McGuire, AD (2020). Carbon release through abrupt permafrost thaw. *NATURE GEOSCIENCE*, 13(2), 138-+. 10.1038/s41561-019-0526-0
- Turetsky, MR; Kane, ES; Harden, JW; Ottmar, RD; Manies, KL; Hoy, E; Kasischke, ES (2011). Recent acceleration of biomass burning and carbon losses in Alaskan forests and peatlands. *NATURE GEOSCIENCE*, 4(1), 27-31. 10.1038/NGEO1027
- Turner, MG; Calder, WJ; Cumming, GS; Hughes, TP; Jentsch, A; LaDeau, SL; Lenton, TM; Shuman, BN; Turetsky, MR; Ratajczak, Z; Williams, JW; Williams, AP; Carpenter, SR (2020). Climate change, ecosystems and abrupt change: science priorities. *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*, 375(1794), . 10.1098/rstb.2019.0105
- Turner, PV; Doonan, G (2010). Developing on-farm euthanasia plans. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 51(9), 1031-+.
- Turner, PV; Kloeze, H; Dam, A; Ward, D; Leung, N; Brown, EEL; Whiteman, A; Chiappetta, ME; Hunter, DB (2012). Mass depopulation of laying hens in whole barns with liquid carbon dioxide: Evaluation of welfare impact. *POULTRY SCIENCE*, 91(7), 1558-1568. 10.3382/ps.2012-02139
- Turunen, J; Elbrecht, V; Steinke, D; Aroviita, J (2021). Riparian forests can mitigate warming and ecological degradation of agricultural headwater streams. *FRESHWATER BIOLOGY*, 66(4), 785-798. 10.1111/fwb.13678
- Turvey, CG; Xu, XL; Kong, R; Cao, Y (2014). Attitudinal Asymmetries and the Lender-Borrower Relationship: Survey Results on Farm Lending in Shandong, China. *JOURNAL OF FINANCIAL SERVICES RESEARCH*, 46(2), 115-135. 10.1007/s10693-013-0171-5

- Tusevljak, N; Rajic, A; Waddell, L; Dutil, L; Cernicchiaro, N; Greig, J; Wilhelm, BJ; Wilkins, W; Totton, S; Uhland, FC; Avery, B; McEwen, SA (2012). Prevalence of Zoonotic Bacteria in Wild and Farmed Aquatic Species and Seafood: A Scoping Study, Systematic Review, and Meta-analysis of Published Research. *FOODBORNE PATHOGENS AND DISEASE*, 9(6), 487-497. 10.1089/fpd.2011.1063
- Tuteja, SK; Neethirajan, S (2017). A highly efficient 2D exfoliated metal dichalcogenide for the on-farm rapid monitoring of non-esterified fatty acids. *CHEMICAL COMMUNICATIONS*, 53(72), 10002-10005. 10.1039/c7cc04894g
- Twyman, C; Fraser, EDG; Stringer, LC; Quinn, C; Dougill, AJ; Ravera, F; Crane, TA; Sallu, SM (2011). Climate Science, Development Practice, and Policy Interactions in Dryland Agroecological Systems. *ECOLOGY AND SOCIETY*, 16(3), . 10.5751/ES-04261-160314
- Udenigwe, OC; Lero, D (2017). Managing the Impacts of Full-Day Kindergarten on Rural Child Care Centres in Ontario. *JOURNAL OF CHILDHOOD STUDIES*, 42(2), 22-33. 10.18357/jcs.v42i2.17839
- Ugas, M; Pearl, DL; Zentner, S; Tschritter, D; Briggs, W; Manser, D; Trotz-Williams, LA (2019). Examining the factors related to bacteriological testing of private wells in Southern Ontario. *JOURNAL OF WATER AND HEALTH*, 17(6), 944-956. 10.2166/wh.2019.164
- Utsunomiya, YT; do Carmo, AS; Carvalheiro, R; Neves, HHR; Matos, MC; Zavarez, LB; O'Brien, AMP; Solkner, J; McEwan, JC; Cole, JB; Van Tassell, CP; Schenkel, FS; da Silva, MVGB; Neto, LRP; Sonstegard, TS; Garcia, JF (2013). Genome-wide association study for birth weight in Nellore cattle points to previously described orthologous genes affecting human and bovine height. *BMC GENETICS*, 14(), . 10.1186/1471-2156-14-52
- Valdez-Moreno, M; Vasquez-Yeomans, L; Elias-Gutierrez, M; Ivanova, NV; Hebert, PDN (2010). Using DNA barcodes to connect adults and early life stages of marine fishes from the Yucatan Peninsula, Mexico: potential in fisheries management. *MARINE AND FRESHWATER RESEARCH*, 61(6), 665-671. 10.1071/MF09222
- Valdiani, A; Hansen, OK; Nielsen, UB; Johannsen, VK; Shariat, M; Georgiev, MI; Omidvar, V; Ebrahimi, M; Dinanai, ET; Abiri, R (2019). Bioreactor-based advances in plant tissue and cell culture: challenges and prospects. *CRITICAL REVIEWS IN BIOTECHNOLOGY*, 39(1), 20-34. 10.1080/07388551.2018.1489778
- Valizadeh, P; Guzman-Novoa, E; Goodwin, PH (2020). Effect of Immune Inducers on *Nosema ceranae* Multiplication and Their Impact on Honey Bee (*Apis mellifera* L.) Survivorship and Behaviors. *INSECTS*, 11(9), . 10.3390/insects11090572

- Van Assche, K; Gruezmacher, M; Vodden, K; Gibson, R; Deacon, L (2021). Reinvention paths and reinvention paradox: Strategic change in Western Newfoundland communities. *FUTURES*, 128(), . 10.1016/j.futures.2021.102713
- Van Eerd, LL (2010). Use of a Nitrogen Budget to Predict Nitrogen Losses in Processing Butternut Squash with Different Nitrogen Fertilization Strategies. *HORTSCIENCE*, 45(11), 1734-1740. 10.21273/HORTSCI.45.11.1734
- Van Eerd, LL; Congreves, KA; Zandstra, JW (2012). Sugar beet (*Beta vulgaris* L.) storage quality in large outdoor piles is impacted by pile management but not by nitrogen fertilizer or cultivar. *CANADIAN JOURNAL OF PLANT SCIENCE*, 92(1), 129-139. 10.4141/CJPS2011-054
- Van Eerd, LL; Zhou, YX; Turnbull, AL; Johnston-Monje, D; Lazarovits, G; Loewen, SA (2021). Managing tomato vine decline with soil amendments and transplant treatments: fruit yield, quality, and plant-associated microbial communities. *CANADIAN JOURNAL OF PLANT SCIENCE*, 101(6), 902-918. 10.1139/cjps-2021-0098
- Van Leeuwen, TE; Dempson, JB; Burke, CM; Kelly, NI; Robertson, MJ; Lennox, RJ; Havn, TB; Svenning, M; Hinks, R; Guzzo, MM; Thorstad, EB; Purchase, CF; Bates, AE (2020). Mortality of Atlantic salmon after catch and release angling: assessment of a recreational Atlantic salmon fishery in a changing climate. *CANADIAN JOURNAL OF FISHERIES AND AQUATIC SCIENCES*, 77(9), 1518-1528. 10.1139/cjfas-2019-0400
- Van Moorter, B; Engen, S; Fryxell, JM; Panzacchi, M; Nilsen, EB; Mysterud, A (2020). Consequences of barriers and changing seasonality on population dynamics and harvest of migratory ungulates. *THEORETICAL ECOLOGY*, 13(4), 595-605. 10.1007/s12080-020-00471-w
- van Niekerk, JK; Fischer-Tlustos, AJ; Wilms, JN; Hare, KS; Welboren, AC; Lopez, AJ; Yohe, TT; Cangiano, LR; Leal, LN; Steele, MA (2021). ADSA Foundation Scholar Award: New frontiers in calf and heifer nutrition-From conception to puberty. *JOURNAL OF DAIRY SCIENCE*, 104(8), 8341-8362. 10.3168/jds.2020-20004
- Van Os, J; Winder, C; Akins, M; Kohlman, T; Ollivett, T; Schlessner, H; Schley, B; Stuttgen, S; Versweyveld, J (2020). Wisconsin farmer-reported housing and milk-feeding practices for preweaned dairy calves.. *JOURNAL OF DAIRY SCIENCE*, 103(), 226-226.
- Van Os, JMC; Mintline, EM; DeVries, TJ; Tucker, CB (2017). Motivation of naive feedlot cattle to obtain grain and individual responses to novelty. *APPLIED ANIMAL BEHAVIOUR SCIENCE*, 197(), 68-74. 10.1016/j.applanim.2017.09.001
- Van Schyndel, SJ; Bauman, CA; Pascottini, OB; Renaud, DL; Dubuc, J; Kelton, DF (2019). Reproductive management practices on dairy farms: The Canadian National

- Dairy Study 2015. *JOURNAL OF DAIRY SCIENCE*, 102(2), 1822-1831.  
10.3168/jds.2018-14683
- van Staaveren, N; Decina, C; Baes, CF; Widowski, TM; Berke, O; Harlander-Matauschek, A (2019). Housing and Management Practices on 33 Pullet Farms in Canada. *ANIMALS*, 9(2), . 10.3390/ani9020049
- van Staaveren, N; Diaz, JAC; Manzanilla, EG; Hanlon, A; Boyle, LA (2018). Prevalence of welfare outcomes in the weaner and finisher stages of the production cycle on 31 Irish pig farms. *IRISH VETERINARY JOURNAL*, 71(), . 10.1186/s13620-018-0121-5
- van Staaveren, N; Doyle, B; Hanlon, A; Boyle, LA (2019). Multi-Stakeholder Focus Groups on Potential for Meat Inspection Data to Inform Management of Pig Health and Welfare on Farm. *AGRICULTURE-BASEL*, 9(2), . 10.3390/agriculture9020040
- van Staaveren, N; Ellis, J; Baes, CF; Harlander-Matauschek, A (2021). A meta-analysis on the effect of environmental enrichment on feather pecking and feather damage in laying hens. *POULTRY SCIENCE*, 100(2), 397-411. 10.1016/j.psj.2020.11.006
- van Staaveren, N; Krumma, J; Forsythe, P; Kjaer, JB; Kwon, IY; Mao, YK; West, C; Kunze, W; Harlander-Matauschek, A (2020). Cecal motility and the impact of *Lactobacillus* in feather pecking laying hens. *SCIENTIFIC REPORTS*, 10(1), . 10.1038/s41598-020-69928-6
- van Staaveren, N; Leishman, EM; Adams, SM; Wood, BJ; Harlander-Matauschek, A; Baes, CF (2020). Housing and Management of Turkey Flocks in Canada. *ANIMALS*, 10(7), . 10.3390/ani10071159
- van Staaveren, N; Leishman, EM; Wood, BJ; Harlander-Matauschek, A; Baes, CF (2020). Farmers' Perceptions About Health and Welfare Issues in Turkey Production. *FRONTIERS IN VETERINARY SCIENCE*, 7(), . 10.3389/fvets.2020.00332
- Vanderhoof, MK; Christensen, J; Beal, YJG; DeVries, B; Lang, MW; Hwang, N; Mazarella, C; Jones, JW (2020). Isolating Anthropogenic Wetland Loss by Concurrently Tracking Inundation and Land Cover Disturbance across the Mid-Atlantic Region, US. *REMOTE SENSING*, 12(9), . 10.3390/rs12091464
- VanderZaag, AC; Gordon, RJ; Burton, DL; Jamieson, RC; Stratton, GW (2010). Greenhouse Gas Emissions from Surface Flow and Subsurface Flow Constructed Wetlands Treating Dairy Wastewater. *JOURNAL OF ENVIRONMENTAL QUALITY*, 39(2), 460-471. 10.2134/jeq2009.0166
- VanderZaag, AC; Gordon, RJ; Jamieson, RC; Burton, DL; Stratton, GW (2010). PERMEABLE SYNTHETIC COVERS FOR CONTROLLING EMISSIONS FROM LIQUID DAIRY MANURE. *APPLIED ENGINEERING IN AGRICULTURE*, 26(2), 287-297.

- VanderZaag, AC; Gordon, RJ; Jamieson, RC; Burton, DL; Stratton, GW (2010). Effects of winter storage conditions and subsequent agitation on gaseous emissions from liquid dairy manure. *CANADIAN JOURNAL OF SOIL SCIENCE*, 90(1), 229-239. 10.4141/CJSS09040
- VanderZaag, AC; Jayasundara, S; Wagner-Riddle, C (2011). Strategies to mitigate nitrous oxide emissions from land applied manure. *ANIMAL FEED SCIENCE AND TECHNOLOGY*, 166-67(), 464-479. 10.1016/j.anifeedsci.2011.04.034
- Vaness, BM; Wilson, SD; MacDougall, AS (2014). Decreased root heterogeneity and increased root length following grassland invasion. *FUNCTIONAL ECOLOGY*, 28(5), 1266-1273. 10.1111/1365-2435.12277
- Vansteenkiste, J; Schuller, M (2018). The Gendered Space of Capabilities and Functionings: Lessons from Haitian Community-Based Organizations. *JOURNAL OF HUMAN DEVELOPMENT AND CAPABILITIES*, 19(2), 147-165. 10.1080/19452829.2017.1411893
- Varga, C; Brash, ML; Slavic, D; Boerlin, P; Ouckama, R; Weis, A; Petrik, M; Philippe, C; Barham, M; Guerin, MT (2018). Evaluating Virulence-Associated Genes and Antimicrobial Resistance of Avian Pathogenic Escherichia coli Isolates from Broiler and Broiler Breeder Chickens in Ontario, Canada. *AVIAN DISEASES*, 62(3), 291-299. 10.1637/11834-032818-Reg.1
- Varghese, J; Crawford, SS (2021). A cultural framework for Indigenous, Local, and Science knowledge systems in ecology and natural resource management. *ECOLOGICAL MONOGRAPHS*, 91(1), . 10.1002/ecm.1431
- Varmazyari, H; Asadi, A; Kalantari, K; Joppe, M; Rezvani, MR (2018). Predicting potential agritourism segments on the basis of combined approach: The case of Qazvin, Iran. *INTERNATIONAL JOURNAL OF TOURISM RESEARCH*, 20(4), 442-457. 10.1002/jtr.2195
- Vas, J; BenSassi, N; Vasdal, G; Newberry, RC (2020). Rewarding memories? Behaviour of broiler chickens towards peat in flocks with and without previous exposure to peat. *APPLIED ANIMAL BEHAVIOUR SCIENCE*, 232(), . 10.1016/j.applanim.2020.105129
- Vasseur, E; Pellerin, D; de Passille, AM; Winckler, C; Lensink, BJ; Knierim, U; Rushen, J (2012). Assessing the welfare of dairy calves: outcome-based measures of calf health versus input-based measures of the use of risky management practices. *ANIMAL WELFARE*, 21(1), 77-86. 10.7120/096272812799129439
- Vaughan, AE; Halbert, CL; Wootton, SK; Miller, AD (2012). Lung Cancer in Mice Induced by the Jaagsiekte Sheep Retrovirus Envelope Protein Is Not Maintained by Rare Cancer Stem Cells, but Tumorigenicity Does Correlate with Wnt Pathway

Activation. *MOLECULAR CANCER RESEARCH*, 10(1), 86-95. 10.1158/1541-7786.MCR-11-0285

Veerapandian, M; Hunter, R; Neethirajan, S (2016). Ruthenium dye sensitized graphene oxide electrode for on-farm rapid detection of beta-hydroxybutyrate. *SENSORS AND ACTUATORS B-CHEMICAL*, 228(), 180-184. 10.1016/j.snb.2016.01.028

Veluchamy, C; Kalamdhad, AS; Gilroyed, BH (2021). Evaluating and modelling of plug flow reactor digesting lignocellulosic corn silage. *FUEL*, 287(), . 10.1016/j.fuel.2020.119498

Vennen, LMV; Patterson, BR; Rodgers, AR; Moffatt, S; Anderson, ML; Fryxell, JM (2016). Diel movement patterns influence daily variation in wolf kill rates on moose. *FUNCTIONAL ECOLOGY*, 30(9), 1568-1573. 10.1111/1365-2435.12642

Ventura, RV; Lu, D; Schenkel, FS; Wang, Z; Li, C; Miller, SP (2014). Impact of reference population on accuracy of imputation from 6K to 50K single nucleotide polymorphism chips in purebred and crossbreed beef cattle. *JOURNAL OF ANIMAL SCIENCE*, 92(4), 1433-1444. 10.2527/jas.2013-6638

Vestergaard, RJ; Vasava, HB; Aspinall, D; Chen, SC; Gillespie, A; Adamchuk, V; Biswas, A (2021). Evaluation of Optimized Preprocessing and Modeling Algorithms for Prediction of Soil Properties Using VIS-NIR Spectroscopy. *SENSORS*, 21(20), . 10.3390/s21206745

Viejou, R; Avgar, T; Brown, GS; Patterson, BR; Reid, DEB; Rodgers, AR; Shuter, J; Thompson, ID; Fryxell, JM (2018). Woodland caribou habitat selection patterns in relation to predation risk and forage abundance depend on reproductive state. *ECOLOGY AND EVOLUTION*, 8(11), 5863-5872. 10.1002/ece3.4124

Vien, S; Fard, S; El Khoury, D; Luhovyy, B; Fabek, H; Anderson, GH (2021). Age and Sex Interact to Determine the Effects of Commonly Consumed Dairy Products on Postmeal Glycemia, Satiety, and Later Meal Food Intake in Adults. *JOURNAL OF NUTRITION*, 151(8), 2161-2174. 10.1093/jn/nxab122

Vink, JP; Soltani, N; Robinson, DE; Tardif, FJ; Lawton, MB; Sikkema, PH (2012). Occurrence and distribution of glyphosate-resistant giant ragweed (*Ambrosia trifida* L.) in southwestern Ontario. *CANADIAN JOURNAL OF PLANT SCIENCE*, 92(3), 533-539. 10.4141/CJPS2011-249

Viswanathan, M; Pearl, DL; Taboada, EN; Parmley, EJ; Mutschall, S; Jardine, CM (2017). Molecular and Statistical Analysis of *Campylobacter* spp. and Antimicrobial-Resistant *Campylobacter* Carriage in Wildlife and Livestock from Ontario Farms. *ZOOSES AND PUBLIC HEALTH*, 64(3), 194-203. 10.1111/zph.12295

Viswanathan, M; Pearl, DL; Taboada, EN; Parmley, EJ; Mutschall, SK; Jardine, CM (2017). Cluster Analysis of *Campylobacter jejuni* Genotypes Isolated from Small

and Medium-Sized Mammalian Wildlife and Bovine Livestock from Ontario Farms. *ZOOZOSES AND PUBLIC HEALTH*, 64(3), 185-193. 10.1111/zph.12294

Vogt, NA; Pearl, DL; Taboada, EN; Mutschall, SK; Bondo, KJ; Jardine, CM (2021). Epidemiology of *Campylobacter jejuni* in raccoons (*Procyon lotor*) on swine farms and in conservation areas in southern Ontario. *ZOOZOSES AND PUBLIC HEALTH*, 68(1), 19-28. 10.1111/zph.12786

Vogt, NA; Pearl, DL; Taboada, EN; Mutschall, SK; Janecko, N; Reid-Smith, RJ; Jardine, CM (2019). Carriage of *Campylobacter*, *Salmonella*, and Antimicrobial-Resistant, Nonspecific *Escherichia coli* by Waterfowl Species Collected from Three Sources in Southern Ontario, Canada. *JOURNAL OF WILDLIFE DISEASES*, 55(4), 917-922. 10.7589/2018-12-288

von der Ohe, C; Gauthier, V; Tamburic-Ilincic, L; Brule-Babel, A; Fernando, WGD; Clear, R; Ward, TJ; Miedaner, T (2010). A comparison of aggressiveness and deoxynivalenol production between Canadian *Fusarium graminearum* isolates with 3-acetyl and 15-acetyldeoxynivalenol chemotypes in field-grown spring wheat. *EUROPEAN JOURNAL OF PLANT PATHOLOGY*, 127(3), 407-417. 10.1007/s10658-010-9607-z

von Konigslow, TE; Renaud, DL; Duffield, TF; Higginson, V; Kelton, DF (2019). Validation of an automated cell counter to determine leukocyte differential counts in neonatal Holstein calves. *JOURNAL OF DAIRY SCIENCE*, 102(8), 7445-7452. 10.3168/jds.2019-16370

von Konigslow, TE; Renaud, DL; Duffield, TF; Winder, CB; Kelton, DF (2020). Assessing the utility of leukocyte differential cell counts for predicting morbidity, mortality, and growth in a grain-fed veal facility: A prospective single cohort study. *JOURNAL OF DAIRY SCIENCE*, 103(10), 9332-9344. 10.3168/jds.2020-18532

Vriezen, R; Sargeant, JM; Vriezen, E; Reist, M; Winder, CB; O'Connor, AM (2019). Systematic reviews and meta-analyses in animal health, performance, and on-farm food safety: a scoping review. *ANIMAL HEALTH RESEARCH REVIEWS*, 20(2), 116-127. 10.1017/S1466252319000197

Vulikh, K; Bassel, LL; Sergejewich, L; Kaufman, EI; Hewson, J; MacInnes, JI; Tabatabaei, S; Caswell, JL (2019). Effect of tracheal antimicrobial peptide on the development of *Mannheimia haemolytica* pneumonia in cattle. *PLOS ONE*, 14(11), . 10.1371/journal.pone.0225533

Vyn, RJ (2012). The Effectiveness of Alternative Marketing Strategies for Ontario Corn and Soybean Producers. *CANADIAN JOURNAL OF AGRICULTURAL ECONOMICS-REVUE CANADIENNE D AGROECONOMIE*, 60(4), 427-449. 10.1111/j.1744-7976.2011.01243.x

- Vyn, RJ (2015). The Effect of Agricultural Zoning on Rural Residential Property Values: An Application to Ontario's Greenbelt. *CANADIAN JOURNAL OF AGRICULTURAL ECONOMICS-REVUE CANADIENNE D AGROECONOMIE*, 63(3), 281-307. 10.1111/cjag.12040
- Vyn, RJ; McCullough, RM (2014). The Effects of Wind Turbines on Property Values in Ontario: Does Public Perception Match Empirical Evidence?. *CANADIAN JOURNAL OF AGRICULTURAL ECONOMICS-REVUE CANADIENNE D AGROECONOMIE*, 62(3), 365-392. 10.1111/cjag.12030
- Vyn, RJ; Shang, MZ (2021). Prices paid for farmland in Ontario: Does buyer type matter?. *CANADIAN JOURNAL OF AGRICULTURAL ECONOMICS-REVUE CANADIENNE D AGROECONOMIE*, 69(1), 59-72. 10.1111/cjag.12253
- Waddington, JM; Thompson, DK; Wotton, M; Quinton, WL; Flannigan, MD; Benscoter, BW; Baisley, SA; Turetsky, MR (2012). Examining the utility of the Canadian Forest Fire Weather Index System in boreal peatlands. *CANADIAN JOURNAL OF FOREST RESEARCH*, 42(1), 47-58. 10.1139/X11-162
- Waelchli, RO; Betteridge, KJ (2013). Morphology of twin and triplet equine conceptuses during Weeks 3 and 4 of pregnancy. *REPRODUCTION FERTILITY AND DEVELOPMENT*, 25(5), 762-774. 10.1071/RD12067
- Waffle, AD; Corry, RC; Gillespie, TJ; Brown, RD (2017). Urban heat islands as agricultural opportunities: An innovative approach. *LANDSCAPE AND URBAN PLANNING*, 161(), 103-114. 10.1016/j.landurbplan.2017.01.010
- Walker, XJ; Baltzer, JL; Cumming, SG; Day, NJ; Ebert, C; Goetz, S; Johnstone, JF; Potter, S; Rogers, BM; Schuur, EAG; Turetsky, MR; Mack, MC (2019). Increasing wildfires threaten historic carbon sink of boreal forest soils. *NATURE*, 572(7770), 520-+. 10.1038/s41586-019-1474-y
- Walker, XJ; Rogers, BM; Veraverbeke, S; Johnstone, JF; Baltzer, JL; Barrett, K; Bourgeau-Chavez, L; Day, NJ; de Groot, WJ; Dieleman, CM; Goetz, S; Hoy, E; Jenkins, LK; Kane, ES; Parisien, MA; Potter, S; Schuur, EAG; Turetsky, M; Whitman, E; Mack, MC (2020). Fuel availability not fire weather controls boreal wildfire severity and carbon emissions. *NATURE CLIMATE CHANGE*, 10(12), 1130-U100. 10.1038/s41558-020-00920-8
- Walls, RL; Deck, J; Guralnick, R; Baskauf, S; Beaman, R; Blum, S; Bowers, S; Buttigieg, PL; Davies, N; Endresen, D; Gandolfo, MA; Hanner, R; Janning, A; Krishtalka, L; Matsunaga, A; Midford, P; Morrison, N; Tuama, EO; Schildhauer, M; Smith, B; Stucky, BJ; Thomer, A; Wieczorek, J; Whitacre, J; Wooley, J (2014). Semantics in Support of Biodiversity Knowledge Discovery: An Introduction to the Biological Collections Ontology and Related Ontologies. *PLOS ONE*, 9(3), . 10.1371/journal.pone.0089606



- Walsh, JL; Percival, A; Turner, PV (2017). Efficacy of Blunt Force Trauma, a Novel Mechanical Cervical Dislocation Device, and a Non-Penetrating Captive Bolt Device for On-Farm Euthanasia of Pre-Weaned Kits, Growers, and Adult Commercial Meat Rabbits. *ANIMALS*, 7(12), . 10.3390/ani7120100
- Walsh, KD; Soltani, N; Hooker, DC; Nurse, RE; Sikkema, PH (2015). Biologically effective rate of sulfentrazone applied pre-emergence in soybean. *CANADIAN JOURNAL OF PLANT SCIENCE*, 95(2), 339-344. 10.4141/CJPS-2014-264
- Walsh, KD; Soltani, N; Shropshire, C; Sikkema, PH (2015). Weed Control in Soybean with Imazethapyr Applied Alone or in Tank Mix with Saflufenacil/Dimethenamid-P. *WEED SCIENCE*, 63(1), 329-335. 10.1614/WS-D-14-00076.1
- Walsh, SR; Linnerth-Petrik, NM; Yu, DL; Foster, RA; Menzies, PI; Diaz-Mendez, A; Chalmers, HJ; Wootton, SK (2013). Experimental transmission of enzootic nasal adenocarcinoma in sheep. *VETERINARY RESEARCH*, 44(), . 10.1186/1297-9716-44-66
- Wang, E; Martre, P; Zhao, ZG; Ewert, F; Maiorano, A; Rotter, RP; Kimball, BA; Ottman, MJ; Wall, GW; White, JW; Reynolds, MP; Alderman, PD; Aggarwal, PK; Anothai, J; Basso, B; Biernath, C; Cammarano, D; Challinor, AJ; De Sanctis, G; Doltra, J; Fereres, E; Garcia-Vila, M; Gayler, S; Hoogenboom, G; Hunt, LA; Izaurralde, RC; Jabloun, M; Jones, CD; Kersebaum, KC; Koehler, AK; Liu, LL; Muller, C; Kumar, SN; Nendel, C; O'Leary, G; Olesen, JE; Palosuo, T; Priesack, E; Rezaei, EE; Ripoche, D; Ruane, AC; Semenov, MA; Shcherbak, I; Stockle, C; Stratonovitch, P; Streck, T; Supit, I; Tao, FL; Thorburn, P; Waha, K; Wallach, D; Wang, ZM; Wolf, J; Zhu, Y; Asseng, S (2017). The uncertainty of crop yield projections is reduced by improved temperature response functions. *NATURE PLANTS*, 3(8), . 10.1038/nplants.2017.102
- Wang, F; Shi, Z; Biswas, A; Yang, ST; Ding, JL (2020). Multi-algorithm comparison for predicting soil salinity. *GEODERMA*, 365(), . 10.1016/j.geoderma.2020.114211
- Wang, LM; Huang, SQ; Chalupa-Krebsdak, S; Mejia, SMV; Mandell, IB; Bohrer, BM (2020). Effects of essential oils and(or) benzoic acid in beef finishing cattle diets on the fatty acid profile and shelf life stability of ribeye steaks and ground beef. *MEAT SCIENCE*, 168(), . 10.1016/j.meatsci.2020.108195
- Wang, LM; Mandell, IB; Bohrer, BM (2020). Effects of feeding essential oils and benzoic acid to replace antibiotics on finishing beef cattle growth, carcass characteristics, and sensory attributes. *APPLIED ANIMAL SCIENCE*, 36(2), 145-156. 10.15232/aas.2019-01908
- Wang, MQ; Do, DN; Peignier, CML; Dudemaine, PEL; Schenkel, LO; Miglior, LP; Zhao, X; Ibeagha, EM (2020). Cholesterol deficiency haplotype frequency and its impact on milk production and milk cholesterol content in Canadian Holstein cows.

CANADIAN JOURNAL OF ANIMAL SCIENCE, 100(4), 786-791. 10.1139/cjas-2019-0068

- Wang, Q; Archbold, T; Hayhoe, MAN; Yang, XJ; Sullivan, A; Bizimungu, B; Murphy, A; Ma, DW; Duncan, AM; Htoo, J; Fan, MZ (2016). Modulation of Ileal Starch Digestion by Exogenous Fibres and Different Genotypes of Potato in Growing Pigs Fed a High-fat Basal Diet. *FASEB JOURNAL*, 30(), .
- Wang, SN; Marcone, M; Barbut, S; Lim, LT (2012). The Impact of Anthocyanin-Rich Red Raspberry Extract (ARRE) on the Properties of Edible Soy Protein Isolate (SPI) Films. *JOURNAL OF FOOD SCIENCE*, 77(4), C497-C505. 10.1111/j.1750-3841.2012.02655.x
- Wang, W; Archbold, T; Kimber, MS; Li, J; Lam, JS; Fan, MZ (2012). The porcine gut microbial metagenomic library for mining novel cellulases established from growing pigs fed cellulose-supplemented high-fat diets. *JOURNAL OF ANIMAL SCIENCE*, 90(), 400-402. 10.2527/jas.53942
- Wang, X; Fu, JM; Snieckus, V (2012). Directed Metalation-Cross-Coupling Strategies. Total Syntheses of the Alleged and the Revised Phenanthrene Natural Product Gymnopusin. *HELVETICA CHIMICA ACTA*, 95(12), 2680-2694. 10.1002/hlca.201200564
- Wang, YJ; Xiao, JX; Li, SL; Liu, JJ; Alugongo, GM; Cao, ZJ; Yang, HJ; Wang, SX; Swanson, KC (2017). Protein Metabolism and Signal Pathway Regulation in Rumen and Mammary Gland. *CURRENT PROTEIN & PEPTIDE SCIENCE*, 18(6), 636-651. 10.2174/1389203717666160627075021
- Wang, YT; Zhang, TQ; O'Halloran, IP; Hu, QC; Tan, CS; Speranzini, D; Macdonald, I; Patterson, G (2015). Agronomic and environmental soil phosphorus tests for predicting potential phosphorus loss from Ontario soils. *GEODERMA*, 241(), 51-58. 10.1016/j.geoderma.2014.11.001
- Wang, YT; Zhang, TQ; O'Halloran, IP; Tan, CS; Hu, Q (2016). A phosphorus sorption index and its use to estimate leaching of dissolved phosphorus from agricultural soils in Ontario. *GEODERMA*, 274(), 79-87. 10.1016/j.geoderma.2016.04.002
- Wang, ZY; Shadpour, S; Chan, E; Rotondo, V; Wood, KM; Tulpan, D (2021). ASAS-NANP SYMPOSIUM: Applications of machine learning for livestock body weight prediction from digital images. *JOURNAL OF ANIMAL SCIENCE*, 99(2), . 10.1093/jas/skab022
- Ward-Campbell, B; Cottenie, K; Mandrak, N; McLaughlin, R (2017). Maintenance of agricultural drains alters physical habitat, but not macroinvertebrate assemblages exploited by fishes. *JOURNAL OF ENVIRONMENTAL MANAGEMENT*, 203(), 29-39. 10.1016/j.jenvman.2017.07.032

- Ward-Campbell, B; Cottenie, K; Mandrak, NE; McLaughlin, R (2017). Fish assemblages in agricultural drains are resilient to habitat change caused by drain maintenance. *CANADIAN JOURNAL OF FISHERIES AND AQUATIC SCIENCES*, 74(10), 1538-1548. 10.1139/cjfas-2016-0361
- Warriner, K (2011). Food defense: Farm to fork. *PHYTOPATHOLOGY*, 101(6), S217-S217.
- Watters, MEA; Barkema, HW; Leslie, KE; von Keyserlingk, MAG; DeVries, TJ (2014). Relationship between postmilking standing duration and risk of intramammary infection in freestall-housed dairy cows milked 3 times per day. *JOURNAL OF DAIRY SCIENCE*, 97(6), 3456-3471. 10.3168/jds.2013-7381
- Watters, MEA; Godkin, MA; Leger, DF; Coe, JB; Lissemore, KD; Kelton, DF (2019). Experiences, attitudes, and perceptions of accredited advisors towards a voluntary producer training program for Canadian Quality Milk. *CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE*, 60(9), 955-963.
- Webster, JD; Dennis, MM; Dervisis, N; Heller, J; Bacon, NJ; Bergman, PJ; Bienzle, D; Cassali, G; Castagnaro, M; Cullen, J; Esplin, DG; Pena, L; Goldschmidt, MH; Hahn, KA; Henry, CJ; Hellmen, E; Kamstock, D; Kirpensteijn, J; Kitchell, BE; Amorim, RL; Lenz, SD; Lipscomb, TP; McEntee, M; McGill, LD; McKnight, CA; McManus, PM; Moore, AS; Moore, PF; Moroff, SD; Nakayama, H; Northrup, NC; Sarli, G; Scase, T; Sorenmo, K; Schulman, FY; Shoieb, AM; Smedley, RC; Spangler, WL; Teske, E; Thamm, DH; Valli, VE; Vernau, W; von Euler, H; Withrow, SJ; Weisbrode, SE; Yager, J; Kiupel, M (2011). Recommended Guidelines for the Conduct and Evaluation of Prognostic Studies in Veterinary Oncology. *VETERINARY PATHOLOGY*, 48(1), 7-18. 10.1177/0300985810377187
- Weersink, A; Fraser, E; Pannell, D; Duncan, E; Rotz, S (2018). Opportunities and Challenges for Big Data in Agricultural and Environmental Analysis. *ANNUAL REVIEW OF RESOURCE ECONOMICS*, VOL 10, 10(), 19-37. 10.1146/annurev-resource-100516-053654
- Welboren, AC; Hatew, B; Lopez-Campos, O; Cant, JP; Leal, LN; Martin-Tereso, J; Steele, MA (2021). Effects of energy source in milk replacer on glucose metabolism of neonatal dairy calves. *JOURNAL OF DAIRY SCIENCE*, 104(4), 5009-5020. 10.3168/jds.2020-19405
- Welboren, AC; Hatew, B; Renaud, JB; Leal, LN; Martin-Tereso, J; Steele, MA (2021). Intestinal adaptations to energy source of milk replacer in neonatal dairy calves. *JOURNAL OF DAIRY SCIENCE*, 104(11), 12079-12093. 10.3168/jds.2021-20516
- Wen, GN; Fu, JZ (2021). Isolation and reconnection: Demographic history and multiple contact zones of the green odorous frog (*Odorrana margaretae*) around the Sichuan Basin. *MOLECULAR ECOLOGY*, 30(16), 4103-4117. 10.1111/mec.16021

- Wendel, S; Moore, T; Bubier, J; Blodau, C (2011). Experimental nitrogen, phosphorus, and potassium deposition decreases summer soil temperatures, water contents, and soil CO<sub>2</sub> concentrations in a northern bog. *BIOGEOSCIENCES*, 8(3), 585-595. 10.5194/bg-8-585-2011
- Weng, X; Chen, LY; Neethirajan, S; Duffield, T (2015). Development of quantum dots-based biosensor towards on-farm detection of subclinical ketosis. *BIOSENSORS & BIOELECTRONICS*, 72(), 140-147. 10.1016/j.bios.2015.05.008
- Werden, L; Lindsay, LR; Barker, IK; Bowman, J; Gonzales, EK; Jardine, CM (2015). Prevalence of *Anaplasma phagocytophilum* and *Babesia microti* in *Ixodes scapularis* from a Newly Established Lyme Disease Endemic Area, the Thousand Islands Region of Ontario, Canada. *VECTOR-BORNE AND ZOONOTIC DISEASES*, 15(10), 627-629. 10.1089/vbz.2015.1792
- Westers, T; Jones-Bitton, A; Menzies, P; Van Leeuwen, J; Poljak, Z; Peregrine, AS (2016). Efficacy of closantel against ivermectin- and fenbendazole-resistant *Haemonchus* sp in sheep in Ontario, Canada. *VETERINARY PARASITOLOGY*, 228(), 30-41. 10.1016/j.vetpar.2016.08.009
- Westerveld, DB; Soltani, N; Hooker, DC; Robinson, DE; Sikkema, PH (2021). Biologically effective dose of pyraflufen-ethyl/2,4-D, applied preplant alone or mixed with metribuzin on glyphosate-resistant horseweed in soybean. *WEED TECHNOLOGY*, 35(5), 824-829. 10.1017/wet.2021.46
- Westin, R; Vaughan, A; de Passille, AM; DeVries, TJ; Pajor, EA; Pellerin, D; Siegford, JM; Vasseur, E; Rushen, J (2016). Lying times of lactating cows on dairy farms with automatic milking systems and the relation to lameness, leg lesions, and body condition score. *JOURNAL OF DAIRY SCIENCE*, 99(1), 551-561. 10.3168/jds.2015-9737
- Westin, R; Vaughan, A; de Passille, AM; DeVries, TJ; Pajor, EA; Pellerin, D; Siegford, JM; Witaifi, A; Vasseur, E; Rushen, J (2016). Cow- and farm-level risk factors for lameness on dairy farms with automated milking systems. *JOURNAL OF DAIRY SCIENCE*, 99(5), 3732-3743. 10.3168/jds.2015-10414
- Westwood, JH; Charudattan, R; Duke, SO; Fennimore, SA; Marrone, P; Slaughter, DC; Swanton, C; Zollinger, R (2018). Weed Management in 2050: Perspectives on the Future of Weed Science. *WEED SCIENCE*, 66(3), 275-285. 10.1017/wsc.2017.78
- Wheeler, RM; Wehkamp, CA; Stasiak, MA; Dixon, MA; Rygalov, VY (2011). Plants survive rapid decompression: Implications for bioregenerative life support. *ADVANCES IN SPACE RESEARCH*, 47(9), 1600-1607. 10.1016/j.asr.2010.12.017
- Whelan, NC; Castillo-Alcala, F; Lizarraga, I (2011). Efficacy of tropicamide, homatropine, cyclopentolate, atropine and hyoscine as mydriatics in Angora goats.

*NEW ZEALAND VETERINARY JOURNAL*, 59(6), 328-331.  
10.1080/00480169.2011.609476

Whitcomb, J; Clewley, D; Colliander, A; Cosh, MH; Powers, J; Friesen, M; McNairn, H; Berg, AA; Bosch, DD; Coffin, A; Collins, CH; Prueger, JH; Entekhabi, D; Moghaddam, M (2020). Evaluation of SMAP Core Validation Site Representativeness Errors Using Dense Networks of In Situ Sensors and Random Forests. *IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING*, 13(), 6457-6472.  
10.1109/JSTARS.2020.3033591

White, J; Berg, AA; Champagne, C; Warland, J; Zhang, YS (2019). Canola yield sensitivity to climate indicators and passive microwave-derived soil moisture estimates in Saskatchewan, Canada. *AGRICULTURAL AND FOREST METEOROLOGY*, 268(), 354-362. 10.1016/j.agrformet.2019.01.004

White, JD; Mack, EA; Harlan, SL; Krayenhoff, ES; Georgescu, M; Redican, K (2019). Regional Multivariate Indices of Water Use Potential for the Continental United States. *SUSTAINABILITY*, 11(8), . 10.3390/su11082292

White, JW; Hunt, LA; Boote, KJ; Jones, JW; Koo, J; Kim, S; Porter, CH; Wilkens, PW; Hoogenboom, G (2013). Integrated description of agricultural field experiments and production: a The ICASA Version 2.0 data standards. *COMPUTERS AND ELECTRONICS IN AGRICULTURE*, 96(), 1-12. 10.1016/j.compag.2013.04.003

White, PW; Martin, SW; De Jong, MCM; O'Keeffe, JJ; More, SJ; Frankena, K (2013). The importance of 'neighbourhood' in the persistence of bovine tuberculosis in Irish cattle herds. *PREVENTIVE VETERINARY MEDICINE*, 110(3-4), 346-355.  
10.1016/j.prevetmed.2013.02.012

White, SN; Boyd, NS; Van Acker, RC (2012). Growing Degree-day Models for Predicting Lowbush Blueberry (*Vaccinium angustifolium* Ait.) Ramet Emergence, Tip Dieback, and Flowering in Nova Scotia, Canada. *HORTSCIENCE*, 47(8), 1014-1021. 10.21273/HORTSCI.47.8.1014

Whiting, RM; Torabi, S; Lukens, L; Eskandari, M (2020). Genomic regions associated with important seed quality traits in food-grade soybeans. *BMC PLANT BIOLOGY*, 20(1), . 10.1186/s12870-020-02681-0

Whittaker, BA; Consuegra, S; de Leaniz, CG (2021). Personality profiling may help select better cleaner fish for sea-lice control in salmon farming. *APPLIED ANIMAL BEHAVIOUR SCIENCE*, 243(), . 10.1016/j.applanim.2021.105459

WHO Guideline Dev Grp; Aidara-Kane, A; Angulo, FJ; Conly, JM; Minato, Y; Silbergeld, EK; McEwen, SA; Collignon, PJ (2018). World Health Organization (WHO) guidelines on use of medically important antimicrobials in food-producing animals.

*ANTIMICROBIAL RESISTANCE AND INFECTION CONTROL*, 7(), .  
10.1186/s13756-017-0294-9

Widowski, TM; Caston, LJ; Casey-Trott, TM; Hunniford, ME (2017). The effect of space allowance and cage size on laying hens housed in furnished cages, Part II: Behavior at the feeder. *POULTRY SCIENCE*, 96(11), 3816-3823.  
10.3382/ps/pex198

Widowski, TM; Cooley, L; Hendriksen, S; Peixoto, MRLV (2022). Maternal age and maternal environment affect egg composition, yolk testosterone, offspring growth and behaviour in laying hens. *SCIENTIFIC REPORTS*, 12(1), . 10.1038/s41598-022-05491-6

Widowski, TM; Rushen, J; Tuytens, FAM; Veissier, I (2012). Implementing animal welfare assessments at farm and group level: introduction and overview. *ANIMAL WELFARE*, 21(3), 305-306.

Wiebe, PA; Fryxell, JM; Thompson, ID; Borger, L; Baker, JA (2013). Do trappers understand marten habitat?. *JOURNAL OF WILDLIFE MANAGEMENT*, 77(2), 379-391. 10.1002/jwmg.471

Wijekoon, CP; Kalischuk, ML; Brunelle, P; Howard, RJ; Kawchuk, LM (2022). Characterization of bronze leaf disease in western Canadian aspen and poplar trees. *CANADIAN JOURNAL OF PLANT SCIENCE*, 102(1), 11-19. 10.1139/cjps-2021-0104

Wilcock, A; Ball, B; Fajumo, A (2011). Effective implementation of food safety initiatives: Managers', food safety coordinators' and production workers' perspectives. *FOOD CONTROL*, 22(1), 27-33. 10.1016/j.foodcont.2010.06.005

Wilcox, AAE; Newman, AEM; Raine, NE; Mitchell, GW; Norris, DR (2021). Captive-reared migratory monarch butterflies show natural orientation when released in the wild. *CONSERVATION PHYSIOLOGY*, 9(), . 10.1093/conphys/coab032

Wilhelm, B; Leblanc, D; Leger, D; Gow, S; Deckert, A; Pearl, DL; Friendship, R; Rajic, A; Houde, A; McEwen, S (2016). Farm-level prevalence and risk factors for detection of hepatitis E virus, porcine enteric calicivirus, and rotavirus in Canadian finisher pigs. *CANADIAN JOURNAL OF VETERINARY RESEARCH-REVUE CANADIENNE DE RECHERCHE VETERINAIRE*, 80(2), 95-105.

Wilhelm, B; Rajic, A; Parker, S; Waddell, L; Sanchez, J; Fazil, A; Wilkins, W; McEwen, SA (2013). Assessment of the efficacy and quality of evidence for five on-farm interventions for Salmonella reduction in grow-finish swine: A systematic review and meta-analysis (vol 107, pg 1, 2012). *PREVENTIVE VETERINARY MEDICINE*, 110(3-4), 572-572. 10.1016/j.prevetmed.2013.01.007

Wilhelm, BJ; Rajic, A; Greig, J; Waddell, L; Trottier, G; Houde, A; Harris, J; Borden, LN; Price, C (2011). A systematic review/meta-analysis of primary research

investigating swine, pork or pork products as a source of zoonotic hepatitis E virus. *EPIDEMIOLOGY AND INFECTION*, 139(8), 1127-1144.  
10.1017/S0950268811000677

Wilkerson, SA; Gadsden, AD; Gadsden, SA (2018). An Unmanned Aerial System for the Detection of Crops with Undergraduate Project-Based Learning. *AUTONOMOUS AIR AND GROUND SENSING SYSTEMS FOR AGRICULTURAL OPTIMIZATION AND PHENOTYPING III*, 10664(), . 10.1117/12.2319050

Wilkins, W; Waldner, C; Rajic, A; McFall, M; Muckle, A; Mainar-Jaime, RC (2010). Comparison of Bacterial Culture and Real-Time PCR for the Detection of Salmonella in Grow-Finish Pigs in Western Canada Using a Bayesian Approach. *ZOOSES AND PUBLIC HEALTH*, 57(), 115-120. 10.1111/j.1863-2378.2010.01365.x

Williams, ML; Pearl, DL; Bishop, KE; LeJeune, JT (2013). Use of Multiple-Locus Variable-Number Tandem Repeat Analysis to Evaluate Escherichia coli O157 Subtype Distribution and Transmission Dynamics Following Natural Exposure on a Closed Beef Feedlot Facility. *FOODBORNE PATHOGENS AND DISEASE*, 10(10), 827-834. 10.1089/fpd.2013.1484

Williams, MS; Mandell, IB; Bohrer, BM; Wood, KM (2021). The effects of feeding benzoic acid and/or active dry yeast (*Saccharomyces cerevisiae*) on beef cattle performance, feeding behavior, and carcass characteristics. *TRANSLATIONAL ANIMAL SCIENCE*, 5(4), . 10.1093/tas/txab143

Williams, WM; Giddings, JM; Purdy, J; Solomon, KR; Giesy, JP (2013). Exposures to aquatic organisms from the use of chlorpyrifos in North America. *ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY*, 246(), .

Williamson, M; Adams, JR; Berg, AA; Derksen, C; Toose, P; Walker, A (2018). Plot-scale assessment of soil freeze/thaw detection and variability with impedance probes: implications for remote sensing validation networks. *HYDROLOGY RESEARCH*, 49(1), 1-16. 10.2166/nh.2017.183

Wills, S; Pinard, C; Nykamp, S; Beaufre, H (2016). OPHTHALMIC REFERENCE VALUES AND LESIONS IN TWO CAPTIVE POPULATIONS OF NORTHERN OWLS: GREAT GREY OWLS (*STRIX NEBULOSA*) AND SNOWY OWLS (*BUBO SCANDIACUS*). *JOURNAL OF ZOO AND WILDLIFE MEDICINE*, 47(1), 244-255. 10.1638/2015-0009.1

Wilson, CA (2018). The Farm Diary: An Intimate and Ongoing Relationship between Artifact and Keeper. *AGRICULTURAL HISTORY*, 92(2), 150-171. 10.3098/ah.2018.092.2.150

Wilson, DJ; Canning, D; Giacomazzi, T; Keels, K; Lothrop, R; Renaud, DL; Sillett, N; Taylor, D; Van Huigenbos, H; Wynands, B; Zuest, D; Fraser, D (2020). Health and

welfare challenges in the marketing of male dairy calves-Findings and consensus of an expert consultation. *JOURNAL OF DAIRY SCIENCE*, 103(12), 11628-11635. 10.3168/jds.2020-18438

Wilson, DJ; Stojkov, J; Renaud, DL; Fraser, D (2020). Short communication: Condition of male dairy calves at auction markets. *JOURNAL OF DAIRY SCIENCE*, 103(9), 8530-8534. 10.3168/jds.2019-17860

Wilson, SF; Nudds, TD; de Vries, A (2021). A causal modelling approach to informing woodland caribou conservation policy from observational studies. *BIOLOGICAL CONSERVATION*, 264(), . 10.1016/j.biocon.2021.109370

Wilson, TR; LeBlanc, SJ; DeVries, TJ; Haley, DB (2018). Effect of stall design on dairy calf transition to voluntary feeding on an automatic milk feeder after introduction to group housing. *JOURNAL OF DAIRY SCIENCE*, 101(6), 5307-5316. 10.3168/jds.2017-14011

Winder, CB; Kelton, DF; Duffield, TF (2016). Mortality risk factors for calves entering a multi-location white veal farm in Ontario, Canada. *JOURNAL OF DAIRY SCIENCE*, 99(12), 10174-10181. 10.3168/jds.2016-11345

Winstone, B; Filson, G; Heck, RJ; De Araujo, JC (2019). How Organic and Conventional Farmers in Brazil's Natuba Basin understand soil. *AGROECOLOGY AND SUSTAINABLE FOOD SYSTEMS*, 43(4), 409-428. 10.1080/21683565.2018.1490845

Wisener, LV; Sargeant, JM; O'Connor, AM; O'Sullivan, TL; McEwen, SA; Nwosu, A; Rossi, TM (2019). Non-antibiotic approaches for disease prevention and control in beef and veal production: a scoping review. *ANIMAL HEALTH RESEARCH REVIEWS*, 20(2), 128-142. 10.1017/S1466252319000252

Wisener, LV; Sargeant, JM; O'Sullivan, TL; O'Connor, AM; McEwen, SA; Reist, M; Churchill, KJ (2021). Non-antibiotic Approaches for Disease Prevention and Control in Nursery Pigs: A Scoping Review. *FRONTIERS IN VETERINARY SCIENCE*, 8(), . 10.3389/fvets.2021.620347

Wisniewski, M; Nassuth, A; Teulieres, C; Marque, C; Rowland, J; Cao, PB; Brown, A (2014). Genomics of Cold Hardiness in Woody Plants. *CRITICAL REVIEWS IN PLANT SCIENCES*, 33(2-3), 92-124. 10.1080/07352689.2014.870408

Wolf, JF; Prosser, RS; Champagne, EJ; McCann, KS (2020). Variation in Response of Laboratory-Cultured Freshwater Macroinvertebrates to Sediment from Streams with Differential Exposure to Agriculture. *WATER AIR AND SOIL POLLUTION*, 231(1), . 10.1007/s11270-019-4376-6

Wood, DJ; Van Heyst, BJ (2016). THE EFFECTS OF PLT POULTRY LITTER TREATMENT ON AMMONIA AND PARTICULATE MATTER EMISSIONS IN A



COMMERCIAL TURKEY GROW-OUT FACILITY. *TRANSACTIONS OF THE ASABE*, 59(3), 983-991. 10.13031/trans.59.11395

Wood, JD; Gordon, RJ; Madani, A; Stratton, GW; Bromley, HM (2015). Performance of Seasonally and Continuously Loaded Constructed Wetlands Treating Dairy Farm Wastewater. *JOURNAL OF ENVIRONMENTAL QUALITY*, 44(6), 1965-1973. 10.2134/jeq2014.11.0488

Wood, KM; Kelly, MJ; Miller, SP; Mandell, IB; Swanson, KC (2010). Effect of crop residues in haylage-based rations on the performance of pregnant beef cows. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 90(1), 69-76. 10.4141/CJAS09070

Wood, KM; Mandell, IB; Swanson, KC (2010). The influence of supplementation with haylage, haylage plus soybean meal or haylage plus corn dried distillers' grains with solubles on the performance of wintering pregnant beef cows fed wheat straw. *CANADIAN JOURNAL OF ANIMAL SCIENCE*, 90(4), 547-553. 10.4141/CJAS09107

Woods, CL; Hunt, SL; Morris, DM; Gordon, AM (2012). Epiphytes influence the transformation of nitrogen in coniferous forest canopies. *BOREAL ENVIRONMENT RESEARCH*, 17(6), 411-424.

Woolcott, CR; Torrey, S; Turner, PV; Chalmers, H; Levison, LJ; Schwean-Lardner, K; Widowski, TM (2018). Assessing a Method of Mechanical Cervical Dislocation as a Humane Option for On-Farm Killing Using Anesthetized Poults and Young Turkeys. *FRONTIERS IN VETERINARY SCIENCE*, 5(), . 10.3389/fvets.2018.00275

Woolcott, CR; Torrey, S; Turner, PV; Serpa, L; Schwean-Lardner, K; Widowski, TM (2018). Evaluation of Two Models of Non-Penetrating Captive Bolt Devices for On-Farm Euthanasia of Turkeys. *ANIMALS*, 8(3), . 10.3390/ani8030042

Woolley, CE; Lachance, S; DeVries, TJ; Bergeron, R (2018). Behavioural and physiological responses to pest flies in pastured dairy cows treated with a natural repellent. *APPLIED ANIMAL BEHAVIOUR SCIENCE*, 207(), 1-7. 10.1016/j.applanim.2018.07.009

Wright, DEJ; Cline, JA; Earl, HJ (2019). Physiological responses of four apple (*Malus x domestica* Borkh.) rootstock genotypes to soil water deficits. *CANADIAN JOURNAL OF PLANT SCIENCE*, 99(4), 510-524. 10.1139/cjps-2018-0276

Wright, M; Baird, DJ; Hajibabaei, M (2015). Assessing benthic macroinvertebrate temporal turnover in a remote wetland through environmental barcoding. *GENOME*, 58(5), 297-297.

Wyatt, KH; Stevenson, RJ; Turetsky, MR (2010). The importance of nutrient co-limitation in regulating algal community composition, productivity and algal-derived DOC in an oligotrophic marsh in interior Alaska. *FRESHWATER BIOLOGY*, 55(9), 1845-1860. 10.1111/j.1365-2427.2010.02419.x

- Wyngaarden, S; Humphries, S; Skinner, K; Tosta, EL; Portillo, VZ; Orellana, P; Dodd, W (). 'You can settle here': immobility aspirations and capabilities among youth from rural Honduras. *JOURNAL OF ETHNIC AND MIGRATION STUDIES*, (), . 10.1080/1369183X.2022.2031922
- Wyngaarden, S; Humphries, S; Skinner, K; Tosta, EL; Portillo, VZ; Orellana, P; Dodd, W (). This Helps You See Life Differently!: Evaluating Youth Development and Capability Expansion in Remote Communities of Honduras. *PROGRESS IN DEVELOPMENT STUDIES*, (), . 10.1177/14649934211067609
- Wyngaarden, SL; Gaudin, ACM; Deen, W; Martin, RC (2015). Expanding Red Clover (*Trifolium pratense*) Usage in the Corn-Soy-Wheat Rotation. *SUSTAINABILITY*, 7(11), 15487-15509. 10.3390/su71115487
- Xia, R; Schaafsma, AW; Limay-Rios, V; Hooker, DC (2021). Effectiveness of a novel fungicide pydiflumetofen against *Fusarium* head blight and mycotoxin accumulation in winter wheat. *WORLD MYCOTOXIN JOURNAL*, 14(4), 477-493. 10.3920/WMJ2020.2637
- Xiao, YS; Huang, T; Huang, CL; Hardie, J; Peng, Z; Xie, MY; Xiong, T (2020). The microbial communities and flavour compounds of Jiangxi yancai, Sichuan paocai and Dongbei suancai: Three major types of traditional Chinese fermented vegetables. *LWT-FOOD SCIENCE AND TECHNOLOGY*, 121(), . 10.1016/j.lwt.2019.108865
- Xing, YP; Bubier, J; Moore, T; Murphy, M; Basiliko, N; Wendel, S; Blodau, C (2011). The fate of N-15-nitrate in a northern peatland impacted by long term experimental nitrogen, phosphorus and potassium fertilization. *BIOGEOCHEMISTRY*, 103(1-3), 281-296. 10.1007/s10533-010-9463-0
- Xu, C; Lv, JL; Lo, YM; Cui, SW; Hu, XZ; Fan, MT (2013). Effects of oat beta-glucan on endurance exercise and its anti-fatigue properties in trained rats. *CARBOHYDRATE POLYMERS*, 92(2), 1159-1165. 10.1016/j.carbpol.2012.10.023
- Xu, Q; Fox, G; McKenney, DW; Parkin, G; Li, ZY (2020). A Bio-Economic Crop Yield Response (BECYR) Model for Corn and Soybeans in Ontario, Canada for 1959-2013. *SCIENTIFIC REPORTS*, 10(1), . 10.1038/s41598-020-63765-3
- Xu, SY; Fuller, T (2018). Land Transfer and the Political Sociology of Community: The Case of a Chinese Village. *JOURNAL OF RURAL AND COMMUNITY DEVELOPMENT*, 13(3), 38-56.
- Xuereb, A; Row, JR; Brooks, RJ; MacKinnon, C; Lougheed, SC (2012). Relation between Parasitism, Stress, and Fitness Correlates of the Eastern Foxsnake (*Pantherophis gloydi*) in Ontario. *JOURNAL OF HERPETOLOGY*, 46(4), 555-561. 10.1670/10-259

- Yang, AL; Chen, XJ; Huang, GH; Zhao, S; Lin, XJ; Mcbean, E (2019). Coordinative Urban-Rural Solid Waste Management: A Fractional Dual-Objective Programming Model for the Regional Municipality of Xiamen. *MATHEMATICAL PROBLEMS IN ENGINEERING*, 2019(), . 10.1155/2019/1360454
- Yang, J; Huang, JK; Msangi, S; Rozelle, S; Weersink, A; Danielle, T (2014). The Role of Cultivated Land Expansion on the Impacts to Global Agricultural Markets from Biofuels. *INTERNATIONAL CONFERENCE ON APPLIED ENERGY, ICAE2014*, 61(), 999-1011. 10.1016/j.egypro.2014.11.1012
- Yang, LR; Xie, LH; Xue, BG; Goodwin, PH; Quan, X; Zheng, CL; Liu, TG; Lei, ZS; Yang, XJ; Chao, Y; Wu, C (2015). Comparative Transcriptome Profiling of the Early Infection of Wheat Roots by *Gaeumannomyces graminis* var. *tritici*. *PLOS ONE*, 10(4), . 10.1371/journal.pone.0120691
- Yang, WH; Bryan, BA; MacDonald, DH; Ward, JR; Wells, G; Crossman, ND; Connor, JD (2010). A conservation industry for sustaining natural capital and ecosystem services in agricultural landscapes. *ECOLOGICAL ECONOMICS*, 69(4), 680-689. 10.1016/j.ecolecon.2009.11.028
- Yang, XM; Reynolds, WD; Drury, CF; Fleming, R; Tan, CS; Denholm, K; Yang, JY (2014). Organic carbon and nitrogen stocks in a clay loam soil 10 years after a single compost application. *CANADIAN JOURNAL OF SOIL SCIENCE*, 94(3), 357-363. 10.4141/CJSS2013-076
- Yang, ZH; Liu, XY; Szymanowicz, J; Fryc, K; Schwarz, T; Murawski, M; Bartlewski, PM (2020). Bovine in vitro embryo production using media prepared with Milli-Q (R) Water or nanowater. *REPRODUCTIVE BIOLOGY*, 20(4), 580-583. 10.1016/j.repbio.2020.10.007
- Yao, N; Zhao, HC; Li, Y; Biswas, A; Feng, H; Liu, FG; Pulatov, B (2020). National-Scale Variation and Propagation Characteristics of Meteorological, Agricultural, and Hydrological Droughts in China. *REMOTE SENSING*, 12(20), . 10.3390/rs12203407
- Yin, FG; Farzan, A; Wang, Q; Yu, H; Yin, YL; Hou, YQ; Friendship, R; Gong, JS (2014). Reduction of Salmonella enterica Serovar Typhimurium DT104 Infection in Experimentally Challenged Weaned Pigs Fed a Lactobacillus-Fermented Feed. *FOODBORNE PATHOGENS AND DISEASE*, 11(8), 628-634. 10.1089/fpd.2013.1676
- Yin, H; Chai, Y; Yang, SX; Mittal, GS (2011). RIPE TOMATO DETECTION FOR ROBOTIC VISION HARVESTING SYSTEMS IN GREENHOUSES. *TRANSACTIONS OF THE ASABE*, 54(4), 1539-1546.
- Yin, XH; Feng, YN; Lu, Y; Chambers, JR; Gong, JS; Gyles, CL (2012). Adherence and associated virulence gene expression in acid-treated *Escherichia coli* O157:H7 in

- vitro and in ligated pig intestine. *MICROBIOLOGY-SGM*, 158(), 1084-1093. 10.1099/mic.0.056101-0
- Yin, XH; Zhu, J; Feng, YN; Chambers, JR; Gong, J; Gyles, CL (2011). Differential Gene Expression and Adherence of Escherichia coli O157:H7 In Vitro and in Ligated Pig Intestines. *PLOS ONE*, 6(2), . 10.1371/journal.pone.0017424
- Yitbarek, A; Lopez, S; Tenuta, M; Asgedom, H; France, J; Nyachoti, CM; Kebreab, E (2017). Effect of dietary phytase supplementation on greenhouse gas emissions from soil after swine manure application. *JOURNAL OF CLEANER PRODUCTION*, 166(), 1122-1130. 10.1016/j.jclepro.2017.08.079
- Yormirzoev, M; Li, TZ; Teuber, R (2021). Consumers' willingness to pay for organic versus all-natural milk - Does certification make a difference?. *INTERNATIONAL JOURNAL OF CONSUMER STUDIES*, 45(5), 1020-1029. 10.1111/ijcs.12622
- Yott, A; Rosatte, R; Schaefer, JA; Hamr, J; Fryxell, J (2011). Movement and Spread of a Founding Population of Reintroduced Elk (*Cervus elaphus*) in Ontario, Canada. *RESTORATION ECOLOGY*, 19(), 70-77. 10.1111/j.1526-100X.2009.00639.x
- You, L; Lee, AV; Oh, SY; Fisher-Heffernan, RE; Edwards, M; de Lange, K; Karrow, NA (2019). Effect of lipopolysaccharide-induced immune stimulation and maternal fish oil and microalgae supplementation during late pregnancy on nursery pig hypothalamic-pituitary-adrenal function. *JOURNAL OF ANIMAL SCIENCE*, 97(7), 2940-2951. 10.1093/jas/skz166
- You, QM; Verschoor, CP; Pant, SD; Macri, J; Kirby, GM; Karrow, NA (2012). Proteomic analysis of plasma from Holstein cows testing positive for mycobacterium avium subsp Paratuberculosis (MAP). *VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY*, 148(3-4), 243-251. 10.1016/j.vetimm.2012.05.002
- Youdelis, M; Nakoochee, R; O'Neil, C; Lunstrum, E; Roth, R (2020). "Wilderness" revisited: Is Canadian park management moving beyond the "wilderness" ethic?. *CANADIAN GEOGRAPHER-GEOGRAPHE CANADIEN*, 64(2), 232-249. 10.1111/cag.12600
- Young, G; Zavala, H; Wandel, J; Smit, B; Salas, S; Jimenez, E; Fiebig, M; Espinoza, R; Diaz, H; Cepeda, J (2010). Vulnerability and adaptation in a dryland community of the Elqui Valley, Chile. *CLIMATIC CHANGE*, 98(1-2), 245-276. 10.1007/s10584-009-9665-4
- Young, I; Chung, A; McWhirter, J; Papadopoulos, A (2020). Observational assessment of food safety behaviours at farmers' markets in Ontario, Canada: A cross-sectional study. *FOOD CONTROL*, 108(), . 10.1016/j.foodcont.2019.106875
- Young, I; Hendrick, S; Parker, S; Rajic, A; McClure, JT; Sanchez, J; McEwen, SA (2010). Knowledge and attitudes towards food safety among Canadian dairy

producers. *PREVENTIVE VETERINARY MEDICINE*, 94(1-2), 65-76.  
10.1016/j.prevetmed.2009.11.010

Young, I; Rajic, A; Letellier, A; Cox, B; Leslie, M; Sanei, B; McEwen, SA (2010). Knowledge and Attitudes toward Food Safety and Use of Good Production Practices among Canadian Broiler Chicken Producers. *JOURNAL OF FOOD PROTECTION*, 73(7), 1278-1287. 10.4315/0362-028X-73.7.1278

Young, I; Rajic, A; Perez, E; Sanchez, J; Larriestra, A; Perez, LA; Drivet, O; Monteverde, M; McEwen, SA (2012). Knowledge and attitudes towards food safety and reported use of good production practices among a sample of cattle producers in Santa Fe, Argentina. *ARCHIVOS DE MEDICINA VETERINARIA*, 44(3), 225-235.  
10.4067/S0301-732X2012000300004

Young, JR; Tomaso-Peterson, M; Tredway, LP; de la Cerda, K (2010). Occurrence and Molecular Identification of Azoxystrobin-Resistant Colletotrichum cereale Isolates from Golf Course Putting Greens in the Southern United States. *PLANT DISEASE*, 94(6), 751-757. 10.1094/PDIS-94-6-0751

Yu, DY; Jiang, LZ; Li, ZL; Shi, J; Xue, J; Kakuda, Y (2012). Immobilization of Phospholipase A(1) and its Application in Soybean Oil Degumming. *JOURNAL OF THE AMERICAN OIL CHEMISTS SOCIETY*, 89(4), 649-656. 10.1007/s11746-011-1943-4

Yu, Q; Ponomareva, E; Van Dyk, D; McDonald, MR; Sun, F; Madani, M; Tenuta, M (2017). First Report of the Carrot Cyst Nematode (*Heterodera carotae*) From Carrot Fields in Ontario, Canada. *PLANT DISEASE*, 101(6), 1056-1056. 10.1094/PDIS-01-17-0070-PDN

Yu, Q; Zaida, MA; Hughes, B; Celetti, M (2012). Discovery of Potato Rot Nematode, *Ditylenchus destructor*, Infesting Garlic in Ontario, Canada. *PLANT DISEASE*, 96(2), 297-297. 10.1094/PDIS-08-11-0697

Yuan, YP; Wang, RY; Cooter, E; Ran, LM; Daggupati, P; Yang, DM; Srinivasan, R; Jalowska, A (2018). Integrating multimedia models to assess nitrogen losses from the Mississippi River basin to the Gulf of Mexico. *BIOGEOSCIENCES*, 15(23), 7059-7076. 10.5194/bg-15-7059-2018

Zaeem, M; Nadeem, M; Pham, TH; Ashiq, W; Ali, W; Gillani, SSM; Moise, E; Elavarthi, S; Kavanagh, V; Cheema, M; Galagedara, L; Thomas, R (2021). Corn-Soybean Intercropping Improved the Nutritional Quality of Forage Cultivated on Podzols in Boreal Climate. *PLANTS-BASEL*, 10(5), . 10.3390/plants10051015

Zarrinbakhsh, N; Mohanty, AK; Misra, M (2019). Formulation optimization of bioreinforced composites from polyolefins and dried distillers' grains using statistical methods. *COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING*, 119(), 246-260. 10.1016/j.compositesa.2019.01.017

- Zhang, B; Shrestha, NK; Rudra, R; Shukla, R; Daggupati, P; Goel, PK; Dickinson, WT; Allataifeh, N (2020). Threshold storm approach for locating phosphorus problem areas: An application in three agricultural watersheds in the Canadian Lake Erie basin. *JOURNAL OF GREAT LAKES RESEARCH*, 46(1), 132-143. 10.1016/j.jglr.2019.12.003
- Zhang, C; McBean, EA (2016). Estimation of desertification risk from soil erosion: a case study for Gansu Province, China. *STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT*, 30(8), 2215-2229. 10.1007/s00477-015-1186-2
- Zhang, CF; Jamieson, RC; Meng, FR; Gordon, R; Bourque, CPA (2016). Projecting In-stream Dissolved Organic Carbon and Total Mercury Concentrations in Small Watersheds Following Forest Growth and Clearcutting. *WATER AIR AND SOIL POLLUTION*, 227(9), . 10.1007/s11270-016-3017-6
- Zhang, CF; Jamieson, RC; Meng, FR; Gordon, RJ; Bhatti, J; Bourque, CPA (2011). Long-term forest-floor litter dynamics in Canada's boreal forest: Comparison of two model formulations. *ECOLOGICAL MODELLING*, 222(6), 1236-1244. 10.1016/j.ecolmodel.2011.01.002
- Zhang, H; Voroney, RP; Price, GW (2015). Effects of temperature and processing conditions on biochar chemical properties and their influence on soil C and N transformations. *SOIL BIOLOGY & BIOCHEMISTRY*, 83(), 19-28. 10.1016/j.soilbio.2015.01.006
- Zhang, HM; Wang, MQ; Jiang, HR; Cui, Y; Xia, HL; Ni, W; Li, MX; Karrow, NA; Yang, ZP; Mao, YJ (2018). Factors affecting the milk urea nitrogen concentration in Chinese Holstein cows. *ANIMAL BIOLOGY*, 68(2), 193-211. 10.1163/15707563-17000099
- Zhang, J; Xiong, AS; Erickson, LR (2011). Isolation and characterization of a harvest-inducible gene hi11 and its promoter from alfalfa. *MOLECULAR BIOLOGY REPORTS*, 38(1), 23-29. 10.1007/s11033-010-0073-7
- Zhang, J; Yan, HX; Xia, MC; Han, XY; Xie, LH; Goodwin, PH; Quan, X; Sun, RH; Wu, C; Yang, LR (2020). Wheat root transcriptional responses against *Gaeumannomyces graminis* var. *tritici*. *PHYTOPATHOLOGY RESEARCH*, 2(1), . 10.1186/s42483-020-00066-7
- Zhang, K; Zhao, ZX; Zhang, ZD; Li, YJ; Li, SJ; Yao, N; Hsiang, T; Sun, WX (2021). Insights into genomic evolution from the chromosomal and mitochondrial genomes of *Ustilaginoidea virens*. *PHYTOPATHOLOGY RESEARCH*, 3(1), . 10.1186/s42483-021-00086-x

- Zhang, YK; Biswas, A; Ji, WJ; Adamchuk, VI (2017). Depth-Specific Prediction of Soil Properties In Situ using vis-NIR Spectroscopy. *SOIL SCIENCE SOCIETY OF AMERICA JOURNAL*, 81(5), 993-1004. 10.2136/sssaj2016.08.0253
- Zhao, MJ; Pereira, R; Ma, T; Fei, SM (2021). Coherence of assistance and assisted maximally coherent states. *SCIENTIFIC REPORTS*, 11(1), . 10.1038/s41598-021-85273-8
- Zheng, L; Lv, RJ; Huang, JB; Jiang, DH; Hsiang, T (2010). Isolation, Purification, and Biological Activity of a Phytotoxin Produced by *Stemphylium solani*. *PLANT DISEASE*, 94(10), 1231-1237. 10.1094/PDIS-03-10-0183
- Zheng, L; Lv, RJ; Li, QL; Liu, TB; Huang, JB; Hsiang, T (2010). Effect of SS-toxin, a metabolite of *Stemphylium solani*, on H<sup>+</sup>-ATPase activity and standard redox system in plasma membranes from seedlings leaves of garlic (*Allium sativum*). *EUROPEAN JOURNAL OF PLANT PATHOLOGY*, 127(3), 419-425. 10.1007/s10658-010-9608-y
- Zheng, L; Shi, F; Kelly, D; Hsiang, T (2012). First Report of Leaf Spot of Kentucky Bluegrass (*Poa pratensis*) Caused by *Nigrospora oryzae* in Ontario. *PLANT DISEASE*, 96(6), 909-909. 10.1094/PDIS-02-12-0127-PDN
- Zheng, T; Zhou, ZX; Zou, YF; Pulatov, B; Biswas, A (2021). Analysis of Spatial and Temporal Characteristics and Spatial Flow Process of Soil Conservation Service in Jinghe Basin of China. *SUSTAINABILITY*, 13(4), . 10.3390/su13041794
- Zheng, Y; Dixon, MA; Ferguson, G (2011). Organic Greenhouse Vegetable Production in Canada: Challenges and Opportunities. *INTERNATIONAL SYMPOSIUM ON HIGH TECHNOLOGY FOR GREENHOUSE SYSTEMS: GREENSYS2009*, (893), 1195-1200. 10.17660/ActaHortic.2011.893.139
- Zheng, YB; Clark, MJ (2013). Optimal Growing Substrate pH for Five Sedum Species. *HORTSCIENCE*, 48(4), 448-452. 10.21273/HORTSCI.48.4.448
- Zheng, YB; Clark, MJ; Agro, E (2015). Some Considerations for Fertilizing Container Nursery Crops. *PROCEEDINGS OF THE 2014 ANNUAL MEETING OF THE INTERNATIONAL PLANT PROPAGATORS SOCIETY*, 1085(), 89-94.
- Zheng, YB; Wang, LP; Cayanan, DF; Dixon, M (2010). Greenhouse Cucumber Growth and Yield Response to Copper Application. *HORTSCIENCE*, 45(5), 771-774. 10.21273/HORTSCI.45.5.771
- Zheng, ZM; Zhang, TQ; Wen, G; Kessel, C; Tan, CS; O'Halloran, IP; Reid, DK; Nemeth, D; Speranzini, D (2014). Soil Testing to Predict Dissolved Reactive Phosphorus Loss in Surface Runoff from Organic Soils. *SOIL SCIENCE SOCIETY OF AMERICA JOURNAL*, 78(5), 1786-1796. 10.2136/sssaj2014.02.0065

- Zhou, YT; Ge, XZ; Zou, Y; Guo, SW; Wang, T; Zong, SX (2019). Climate Change Impacts on the Potential Distribution and Range Shift of *Dendroctonus ponderosae* (Coleoptera: Scolytidae). *FORESTS*, 10(10), . 10.3390/f10100860
- Zhu, X; Chen, SS; Zheng, Y; Zhang, Y; Hsiang, T; Huang, R; Qi, JW; Gan, T; Chang, Y; Li, JK (). Antifungal and insecticidal activities of rhein derivatives: synthesis, characterization and preliminary structure-activity relationship studies. *NATURAL PRODUCT RESEARCH*, (), . 10.1080/14786419.2021.1977804
- Ziter, C; Robinson, EA; Newman, JA (2012). Climate change and voltinism in Californian insect pest species: sensitivity to location, scenario and climate model choice. *GLOBAL CHANGE BIOLOGY*, 18(9), 2771-2780. 10.1111/j.1365-2486.2012.02748.x
- Zou, J; Semagn, K; Iqbal, M; N'Diaye, A; Chen, H; Asif, M; Navabi, A; Perez-Lara, E; Pozniak, C; Yang, RC; Randhawa, H; Spaner, D (2017). Mapping QTLs Controlling Agronomic Traits in the 'Attila' x 'CDC Go' Spring Wheat Population under Organic Management using 90K SNP Array. *CROP SCIENCE*, 57(1), 365-377. 10.2135/cropsci2016.06.0459
- Zou, Y; Zhang, LJ; Ge, XZ; Guo, SW; Li, X; Chen, LH; Wang, T; Zong, SX (2020). Prediction of the Long-Term Potential Distribution of *Cryptorhynchus lapathi* (L.) under Climate Change. *FORESTS*, 11(1), . 10.3390/f11010005
- Zurbrigg, K; van Dreumel, T; Rothschild, MF; Alves, D; Friendship, RM; O'Sullivan, TL (2019). Rapid Communication: A comparison of cardiac lesions and heart weights from market pigs that did and did not die during transport to one Ontario abattoir. *TRANSLATIONAL ANIMAL SCIENCE*, 3(1), 149-154. 10.1093/tas/txy124
- Zwieback, S; Berg, AA (2019). Fine-Scale SAR Soil Moisture Estimation in the Subarctic Tundra. *IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING*, 57(7), 4898-4912. 10.1109/TGRS.2019.2893908