

Grenfell Campus, Memorial University  
School of Science and the Environment  
Publications 2016-2018

## **Journal Articles**

Abbey, L., Pham, T. H., Annan, N., Leke-Aladekoba, A., & Thomas, R. H. (2018).

Chemical composition of kale as influenced by dry vermicast, potassium humate and volcanic minerals. *Food Research International*, 107, 726-37.  
doi:10.1016/j.foodres.2018.03.010

Abel, R. J. R., Bailey, R. F., Burgess, A. C., Danziger, P., & Mendelsohn, E. (2016). On generalized howell designs with block size three. *Designs, Codes, and Cryptography*, 81(2), 365-91. doi:10.1007/s10623-015-0162-7

Aleksejevs, A. (2018). Dispersion approach in two-loop calculations. *Physical Review D*, 98(3), 036021. doi:10.1103/PhysRevD.98.036021

Aleksejevs, A., & Barkanova, S. (2016). Electromagnetic polarizabilities of mesons. *Nuclear and Particle Physics Proceedings*, 273-275, 2773-2776.  
doi:10.1016/j.nuclphysbps.2015.10.060

Aleksejevs, A., Barkanova, S., Wu, S., & Zykunov, V. (2016). New physics search with precision experiments: Theory input. *Nuclear and Particle Physics Proceedings*, 273-275, 2249-2252. doi:10.1016/j.nuclphysbps.2015.09.366

Aleksejevs, A., Barkanova, S., & Zykunov, V. (2016). Two-loop effects in low-energy electroweak measurements. *Nuclear and Particle Physics Proceedings*, 273-275, 2259-2264. doi:10.1016/j.nuclphysbps.2015.09.368

Aleksejevs, A. G., Barkanova, S. G., Bystritskiy, Y. M., Kuraev, E. A., & Zykunov, V. A. (2016). Two-loop electroweak vertex corrections for polarized møller scattering.

*Physics of Particles and Nuclei Letters*, 13(3), 310-317.

doi:10.1134/S1547477116030031

Aleksejevs, A. G., Barkanova, S. G., Bystritskiy, Y. M., & Zykunov, V. A. (2018). Low and high energy asymptotic behavior of electroweak corrections in polarized e-e+ → μ-μ+ process. *Canadian Journal of Physics*, 96(4), 445-453. doi:10.1139/cjp-2017-0190

Aleksejevs, A. G., Barkanova, S. G., & Zykunov, V. A. (2016). Method for taking into account hard-photon emission in four-fermion processes. *Physics of Atomic Nuclei*, 79(1), 78-94. doi:10.1134/S1063778815090021

Ali, W., Ashiq, W., Nadeem, M., Zaeem, M., Gillani, S. M., Kavanagh, V., . . . Cheema, M. A. (2017). Effects of phosphorus sources on soil phosphatase activity, phosphorus availability and dry matter production of corn silage. *Canadian Journal of Plant Pathology*, 39(4), 541-541.

Altdorff, D., Galagedara, L., Nadeem, M., Cheema, M., & Unc, A. (2018). Effect of agronomic treatments on the accuracy of soil moisture mapping by electromagnetic induction. *Catena*, 164, 96-106. doi:10.1016/j.catena.2017.12.036

Altdorff, D., von Hebel, C., Borchard, N., van der Kruk, J., Bogena, H. R., Vereecken, H., & Huisman, J. A. (2017). Potential of catchment-wide soil water content prediction using electromagnetic induction in a forest ecosystem. *Environmental Earth Sciences*, 76(3) doi:10.1007/s12665-016-6361-3

- Altdorff, D., Galagedara, L., & Unc, A. (2017). Impact of projected land conversion on water balance of boreal soils in western Newfoundland. *Journal of Water and Climate Change*, 8(4), 613-626. doi:10.2166/wcc.2017.016
- Amin, A., Nasim, W., Mubeen, M., Ahmad, A., Nadeem, M., Urich, P., . . . Hoogenboom, G. (2018). Simulated CSM-CROPGRO-cotton yield under projected future climate by SimCLIM for southern Punjab, Pakistan. *Agricultural Systems*, 167, 213-222. doi:10.1016/j.aghsy.2017.05.010
- Ashiq, W., Ali, W., Nadeem, M., Zaeem, M., Gillani, S. M., Wu, J., . . . Cheema, M. A. (2017). Potential of biochar in reducing global warming potential and greenhouse gas intensities in corn silage cropping systems amended with different nitrogen sources. *Canadian Journal of Plant Pathology*, 39(4), 543-544.
- Badewa, E., Unc, A., Cheema, M., Kavanagh, V., & Galagedara, L. (2018). Soil moisture mapping using multi-frequency and multi-coil electromagnetic induction sensors on managed podzols. *Agronomy*, 8(10) doi:10.3390/agronomy8100224
- Bailey, R. F. (2016). On the metric dimension of imprimitive distance-regular graphs. *Annals of Combinatorics*, 20(4), 641-659. doi:10.1007/s00026-016-0334-9
- Bailey, R. F. (2018). On the metric dimension of incidence graphs. *Discrete Mathematics*, 341(6), 1613-1619. doi:10.1016/j.disc.2018.03.001
- Bamberg, J., Devillers, A., Pivotto, I., Corr, B., Hawtin, D., & Swartz, E. (2018). The circular altitude of a graph. *Australasian Journal of Combinatorics*, 72, 357-368.
- Bennett, N. J., Kaplan-Hallam, M., Augustine, G., Ban, N., Belhabib, D., Brueckner-Irwin, I., . . . Bailey, M. (2018). Coastal and indigenous community access to marine

- resources and the ocean: A policy imperative for Canada. *Marine Policy*, 87, 186-193. doi:10.1016/j.marpol.2017.10.023
- Berenstein, A., & Vassiliev, E. (2016). Geometric structures with a dense independent subset. *Selecta Mathematica, New Series*, 22(1), 191-225. doi:10.1007/s00029-015-0190-1
- Berenstein, A., Felipe Carmona, J., & Vassiliev, E. (2017). Supersimple structures with a dense independent subset. *Mathematical Logic Quarterly*, 63(6), 552-573. doi:10.1002/malq.201500022
- Berhe, M., Hoag, D., Tesfay, G., & Keske, C. (2017). Factors influencing the adoption of biogas digesters in rural Ethiopia. *Energy, Sustainability and Society*, 7(1) doi:10.1186/s13705-017-0112-5
- Berhe, M., Hoag, D., Tesfay, G., Tadesse, T., Oniki, S., Kagatsume, M., & Keske, C. M. H. (2017). The effects of adaptation to climate change on income of households in rural Ethiopia. *Pastoralism*, 7(1) doi:10.1186/s13570-017-0084-2
- Butters, L., Okusipe, O. M., Eledi, S. B., & Vodden, K. (2017). Engaging the past to create a new future: A comparative study of heritage-driven community development initiatives in the great northern peninsula. *Journal of Rural and Community Development*, 12(2-3), 186-209.
- Butters, L., Okusipe, O. M., Eledi, S. B., & Vodden, K. (2018). Engaging the past to create a new future: A comparative study of heritage-driven community development initiatives in the great northern peninsula. *Journal of Rural and Community Development*, 12(2-3), 186-209.

- Caldwell, C. D., Macdonald, D., Jiang, Y., Cheema, M. A., & Li, J. (2017). Effect of fungicide combinations for fusarium head blight control on disease incidence, grain yield, and quality of winter wheat, spring wheat, and barley. *Canadian Journal of Plant Science*, 97(6), 1036-1045. doi:10.1139/cjps-2017-0001
- Carter, K. L., & Vodden, K. (2017). Applicability of territorial innovation models to declining resource-based regions: Lessons from the northern peninsula of Newfoundland. *Journal of Rural and Community Development*, 12(2-3), 74-92.
- Cheema, M., Nadeem, M., Pham, H., Thomas, R., Galagedara, L., & Kavanagh, V. (2017). Genotypic variations in root plasma membrane lipidome of silage corn grown under cool climatic production systems. *Canadian Journal of Plant Pathology*, 39(4), 550-51.
- Clarke, N. E., & Gallant, R. P. (2017). On 2-limited packings of complete grid graphs. *Discrete Mathematics*, 340(7), 1705-1715. doi:10.1016/j.disc.2016.11.001
- Clarke, N. E., Finbow, S., Fitzpatrick, S., Messinger, M., Milley, R., & Nowakowski, R. J. (2016). A note on the grundy number and graph products. *Discrete Applied Mathematics*, 202, 1-7. doi:10.1016/j.dam.2015.08.018
- van Zyll de Jong, M., & Cowx, I. G. (2016). Long-term response of salmonid populations to habitat restoration in a boreal forest stream. *Ecological Engineering*, 91, 148-157. doi:10.1016/j.ecoleng.2016.02.029
- Dyer, D., & Howell, J. (2016). The multiplicity of watchman's walks. *Congressus Numerantium*, 270, 301-17.
- Dyer, D., & Howell, J. (2017). Watchman's walks of steiner triple system block intersection graphs. *Australasian Journal of Combinatorics*, 68(1), 23-34.

- Eledi, S. B., Minnes, S., & Vodden, K. (2017). Source water protection in rural Newfoundland and Labrador: Limitations and promising actions. *Water (Switzerland)*, 9(8) doi:10.3390/w9080560
- Ellis, S. R., Pham, H. T., In het Panhuis, M., Trevitt, A. J., Mitchell, T. W., & Blanksby, S. J. (2017). Radical generation from the gas-phase activation of ionized lipid ozonides. *Journal of the American Society for Mass Spectrometry*, 28(7), 1345-1358. doi:10.1007/s13361-017-1649-4
- Elshobary, M. E., Becker, M. G., Kalichuk, J. L., Chan, A. C., Belmonte, M. F., & Piercy-Normore, M. D. (2018). Tissue-specific localization of polyketide synthase and other associated genes in the lichen, *cladonia rangiferina*, using laser microdissection. *Phytochemistry*, 156, 142-150.  
doi:10.1016/j.phytochem.2018.09.011
- Epstein, G., Andrews, E., Armitage, D., Foley, P., Pittman, J., & Brushett, R. (2018). Human dimensions of ecosystem-based management: Lessons in managing trade-offs from the northern shrimp fishery in northern peninsula, Newfoundland. *Marine Policy*, 97, 10-17. doi:10.1016/j.marpol.2018.08.018
- Farhad, W., Cheema, M. A., Hammad, H. M., Saleem, M. F., Fahad, S., Abbas, F., . . . Bakhat, H. F. (2018). Influence of composted poultry manure and irrigation regimes on some morpho-physiology parameters of maize under semiarid environments. *Environmental Science and Pollution Research*, 25(20), 19918-19931.  
doi:10.1007/s11356-018-2125-9
- FitzGerald, A. M., Whitaker, D. M., Ralston, J., Kirchman, J. J., & Warkentin, I. G. (2017). Taxonomy and distribution of the imperilled Newfoundland gray-cheeked

thrush, *catharus minimus minimus*. [Taxonomie et répartition de la Grive à joues grises de Terre-Neuve, *catharus minimus minimus*, en péril] *Avian Conservation and Ecology*, 12(1) doi:10.5751/ACE-00976-120110

Fitzpatrick, S. L., Howell, J., Messinger, M. E., & Pike, D. A. (2016). A deterministic version of the game of zombies and survivors on graphs. *Discrete Applied Mathematics*, 213, 1-12. doi:<https://doi.org/10.1016/j.dam.2016.06.019>

Foley, P. (2017). The territorialization of transnational sustainability governance: Production, power and globalization in Iceland's fisheries. *Environmental Politics*, 26(5), 915-937. doi:10.1080/09644016.2017.1343767

Foley, P., & Havice, E. (2016). The rise of territorial eco-certifications: New politics of transnational sustainability governance in the fishery sector. *Geoforum*, 69, 24-33. doi:10.1016/j.geoforum.2015.11.015

Foley, P., & Mather, C. (2016). Making space for community use rights: Insights from "Community economies" in Newfoundland and Labrador. *Society and Natural Resources*, 29(8), 965-980. doi:10.1080/08941920.2015.1089611

Foley, P., Okyere, D. A., & Mather, C. (2018). Alternative environmentalities: Recasting the assessment of Canada's first marine stewardship council-certified fishery in social terms. *Ecology and Society*, 23(3), 37.

Fox, C., van Zyll de Jong, M., Hearn, B., Moores, L., Foley, P., & Harris, D. (2016). Perspectives on implementing certification on crown forest: The case of Newfoundland and Labrador. *Forestry Chronicle*, 92(4), 503-511. doi:10.5558/tfc2016-086

Fraser, E. E. (2018). Manual analysis of recorded bat echolocation calls: Summary, synthesis, and proposal for increased standardization in training practices.

*Canadian Journal of Zoology*, 96(6), 505-512. doi:10.1139/cjz-2017-0175

Fraser, E. E., Brooks, D., & Longstaffe, F. J. (2017). Stable isotope investigation of the migratory behavior of silver-haired bats (*lasionycteris noctivagans*) in eastern North America. *Journal of Mammalogy*, 98(5), 1225-1235. doi:10.1093/jmammal/gyx085

Gong Y., Wu J., Vogt J., Le, T. B., Yuan, T. (2018). Combination of warming and vegetation composition change strengthens the environmental controls on N<sub>2</sub>O fluxes in a boreal peatland. *Atmosphere*, 9(12), 480. doi:10.3390/atmos9120480

Hager, S. B., Cosentino, B. J., Aguilar-Gómez, M. A., Anderson, M. L., Bakermans, M., Boves, T. J., . . . Zuria, I. (2017). Continent-wide analysis of how urbanization affects bird-window collision mortality in North America. *Biological Conservation*, 212, 209-215. doi:10.1016/j.biocon.2017.06.014

Hall, H. M., Walsh, J., Greenwood, R., & Vodden, K. (2016). Advancing innovation in Newfoundland and Labrador: Insights for knowledge mobilization and university-community engagement. *Journal of Community Engagement and Scholarship*, 9(1), 19-30.

Hall, H. M., Vodden, K., & Greenwood, R. (2017). From dysfunctional to destitute: The governance of regional economic development in Newfoundland and Labrador. *International Planning Studies*, 22(2), 49-67. doi:10.1080/13563475.2016.1167585

Hanrahan, M., Sarkar, A., & Hudson, A. (2016). Water insecurity in indigenous Canada: A community-based inter-disciplinary approach. *Water Quality Research Journal of Canada*, 51(3), 270-281. doi:10.2166/wqrjc.2015.010

- Hussain, T., Murtaza, G., Ghafoor, A., & Cheema, M. A. (2016). The cd:Zn ratio in a soil affects cd toxicity in spinach (*spinacea oleracea L.*). *Pakistan Journal of Agricultural Sciences*, 53(2), 419-424. doi:10.21162/PAKJAS/16.5216
- Jager, N. W., Challies, E., Kochskämper, E., Newig, J., Benson, D., Blackstock, K., . . . Von Korff, Y. (2016). Transforming European water governance? Participation and river basin management under the EU water framework directive in 13 member states. *Water (Switzerland)*, 8(4), 156. doi:10.3390/w8040156
- Kelly, D., Scott, R., Campbell, C., & Warkentin, I. (2018). Sustainability of introduced American toad populations in Western Newfoundland. *The Osprey*, 49, 20-24.
- Kelly, D. O., Scott, R. J., Campbell, C. E., & Warkentin, I. G. (2017). Initial dispersal and breeding habitat use of newly introduced mink frogs in Western Newfoundland, Canada. *Copeia*, 105(2), 389-398. doi:10.1643/CH-16-485
- Khan, S., Rehman, H. U., Wahid, M. A., Saleem, M. F., Akhtar Cheema, M., Basra, S. M. A., & Nadeem, M. (2016). Boron fertilization improves seed yield and harvest index of camelina sativa L. by affecting source-sink. *Journal of Plant Nutrition*, 39(12), 1681-1687. doi:10.1080/01904167.2016.1161787
- King, M., Altdorff, D., Li, P., Galagedara, L., Holden, J., & Unc, A. (2018). Northward shift of the agricultural climate zone under 21st-century global climate change. *Scientific Reports*, 8, 7904. doi:10.1038/s41598-018-26321-8
- Kirk, D. A., Park, A. C., Smith, A. C., Howes, B. J., Prouse, B. K., Kyssa, N. G., . . . Prior, K. A. (2018). Our use, misuse, and abandonment of a concept: Whither habitat? *Ecology and Evolution*, 8(8), 4197-4208. doi:10.1002/ece3.3812

- Klinke, A. (2017). Dynamic multilevel governance for sustainable transformation as postnational configuration. *Innovation*, 30(3), 323-349.  
doi:10.1080/13511610.2016.1205969
- Kumara, G. M. P., Samarakoon, S. M. L. D., Wijewardana, Y. G. D. P., Mowjood, M. I. M. and Galagedara, L.W. (2017). Evaluation of field layout for the cultivation of other field cropsin bayawa minor irrigation systemin Sri Lanka. *Tropical Agricultural Research*, 28(4), 364-374. doi:<http://doi.org/10.4038/tar.v28i4.8238>
- Lammers, P. J., Huesemann, M., Boeing, W., Anderson, D. B., Arnold, R. G., Bai, X., . . . Olivares, J. A. (2017). Review of the cultivation program within the national alliance for advanced biofuels and bioproducts. *Algal Research-Biomass Biofuels and Bioproducts*, 22, 166-186. doi:10.1016/j.algal.2016.11.021
- Liu, C., Felts, A. C., Takahashi, D., Kinden, W. S., & Abboud, K. A. (2017). Crystal structure of aqua-trans-bis(dimethyl sulfoxide- $\kappa$ O)(pyridine-2,6-dicarboxylato- $\kappa$ 3O<sub>2</sub>,N,O<sub>6</sub>)nickel(II). *Acta Crystallographica Section E: Crystallographic Communications*, 73, 777-79. doi:10.1107/S2056989017006090
- Liu, C., Felts, A. C., Thuijs, A. E., Usechea, A., & Abboud, K. A. (2016). Crystal structure of catena-poly[[[trans-bis(acetonitrile-jN)diaquacobalt(II)]- $\mu$ -pyrazine-K2N:N00] dinitrate]. *Acta Crystallographica Section E: Crystallographic Communications*, 72(2), 151-154. doi:10.1107/S2056989016000220
- Liu, C., Thuijs, A. E., & Abboud, K. A. (2016). Crystal structure of catena-poly[bis(tetraethylammonium) [tetraaquatris( $\mu$ -dicyanamido- $\kappa$ 2 N 1:N 5)bis(dicyanamido- $\kappa$ N 1)dicobaltate(II)] dicyanamide]. *Acta Crystallographica*

*Section E: Crystallographic Communications*, 72, 1603-1606.

doi:10.1107/S2056989016016637

- Liu, C., Thuijs, A. E., Felts, A. C., Ballouk, H. F., & Abboud, K. A. (2016). Crystal structure of catena-poly[[(dimethyl sulfoxide- $\kappa$ O)(pyridine-2,6-dicarboxylato- $\kappa$ 3O,N,O')nickel(II)]- $\mu$ -pyrazine- $\kappa$ 2N:N']. *Acta Crystallographica Section E: Crystallographic Communications*, 72, 768-771. doi:10.1107/S2056989016007064
- Liu, C., Felts, A. C., Thuijs, A. E., Useche, A., & Abboud, K. A. (2016). Crystal structure of catena-poly[[[trans-bis(acetonitrile- $\kappa$ N) diaquacobalt(II)]- $\mu$ -pyrazine- $\kappa$ (2) N: N']dinitrate]. *Acta Crystallographica Section E-Crystallographic Communications*, 72, 151. doi:10.1107/S2056989016000220
- Liu, C., Thuijs, A. E., Felts, A. C., Ballouk, H. F., & Abboud, K. A. (2016). Crystal structure of catena-poly[[(dimethyl sulfoxide- $\kappa$ O)(pyridine-2,6-dicarboxylato- $\kappa$ O-3,N,O')nickel(II)]- $\mu$ -pyrazine- $\kappa$  N-2:N']. *Acta Crystallographica Section E-Crystallographic Communications*, 72, 768.

doi:10.1107/S2056989016007064

- Liu, X., Chen, H., Zhu, Q., Wu, J., Frolking, S., Zhu, D., . . . He, Y. (2018). Holocene peatland development and carbon stock of zoige peatlands, tibetan plateau: A modeling approach. *Journal of Soils and Sediments*, 18(5), 2032-2043.

doi:10.1007/s11368-018-1960-0

- Liu, X., Wu, J., Zhu, D., Zhu, Q., Wu, N., Peng, C., . . . Chen, H. (2016). Peat mass and carbon stock during the last 10 ka in sanjiang plain: A modeling approach. *Chinese Journal of Applied and Environmental Biology*, 22(4), 586-591.

doi:10.3724/SP.J.1145.2015.12011

Luan, J., Liu, S., Wu, J., Wang, M., & Yu, Z. (2018). The transient shift of driving environmental factors of carbon dioxide and methane fluxes in tibetan peatlands before and after hydrological restoration. *Agricultural and Forest Meteorology*, 250-251, 138-146. doi:10.1016/j.agrformet.2017.12.248

Luan, J., Song, H., Xiang, C., Zhu, D., & Suolang, D. (2016). Soil moisture, species composition interact to regulate CO<sub>2</sub> and CH<sub>4</sub> fluxes in dry meadows on the tibetan plateau. *Ecological Engineering*, 91, 101-112. doi:10.1016/j.ecoleng.2016.02.012

Lücking, R., Thorn, R. G., Saar, I., Piercy-Normore, M. D., Moncada, B., Doering, J., . . . Voitk, A. (2017). A hidden basidiolichen rediscovered: *Omphalina oreades* is a separate species in the genus *lichenomphalia* (basidiomycota: Agaricales: Hygrophoraceae). *Lichenologist*, 49(5), 467-481. doi:10.1017/S0024282917000378

Mahlum, S., Cote, D., Wiersma, Y. F., Pennell, C., & Adams, B. (2018). Does restoration work? It depends on how we measure success. *Restoration Ecology*, 26(5), 952-963. doi:10.1111/rec.12649

Markou, G., Wang, L., Ye, J., & Unc, A. (2018). Using agro-industrial wastes for the cultivation of microalgae and duckweeds: Contamination risks and biomass safety concerns. *Biotechnology Advances*, 36(4), 1238-1254.  
doi:10.1016/j.biotechadv.2018.04.003

Martirosyan, V., Unc, A., Miller, G., Doniger, T., Wachtel, C., & Steinberger, Y. (2016). Desert perennial shrubs shape the microbial-community miscellany in laimosphere and phyllosphere space. *Microbial Ecology*, 72(3), 659-668. doi:10.1007/s00248-016-0822-9

- McCall, C. A., Bent, E., Jørgensen, T. S., Dunfield, K. E., & Habash, M. B. (2016). Metagenomic comparison of antibiotic resistance genes associated with liquid and dewatered biosolids. *Journal of Environmental Quality*, 45(2), 463-470. doi:10.2134/jeq2015.05.0255
- Mercer, N., Sabau, G., & Klinke, A. (2017). "Wind energy is not an issue for government": Barriers to wind energy development in Newfoundland and Labrador, Canada. *Energy Policy*, 108, 673-683. doi:10.1016/j.enpol.2017.06.022
- Messiga, A. J., Sharifi, M., McVicar, K., Cheema, M., & Hammermeister, A. (2016). Mussel's post-harvest washing sediments consistency over time, and contribution to plant growth and nutrient uptake. *Journal of Cleaner Production*, 113, 216-223. doi:10.1016/j.jclepro.2015.11.062
- Minnes, S., & Vodden, K. (2017). The capacity gap: Understanding impediments to sustainable drinking water systems in rural Newfoundland and Labrador. *Canadian Water Resources Journal*, 42(2), 163-178. doi:10.1080/07011784.2016.1256232
- Minnes, S., Breen, S., Markey, S., & Vodden, K. (2018). Pragmatism versus potential: New regionalism and rural drinking water management. *Journal of Rural and Community Development*, 13(2), 76-99.
- Monfet, E., & Unc, A. (2017). Defining wastewaters used for cultivation of algae. *Algal Research*, 24, 520-526. doi:10.1016/j.algal.2016.12.008
- Mourocq, E., Bize, P., Bouwhuis, S., Bradley, R., Charmantier, A., de la Cruz, C., . . . Griesser, M. (2016). Life span and reproductive cost explain interspecific variation in the optimal onset of reproduction. *Evolution*, 70(2), 296-313. doi:10.1111/evo.12853

- Munro, K. J., Warkentin, I. G., & Doucet, C. M. (2016). Testing a habitat suitability index model for boreal owls in western Newfoundland, Canada. *Journal of Raptor Research*, 50(4), 325-337. doi:10.3356/JRR-15-51.1
- Nadeem, M., Mollier, A., & Pellerin, S. (2018). Effects of sowing depth on remobilization and translocation of seed phosphorus reserves. *Journal of Animal and Plant Sciences*, 28(3), 934-939.
- Nasim, W., Belhouchette, H., Tariq, M., Fahad, S., Hammad, H. M., Mubeen, M., . . . Ahmad, R. (2016). Correlation studies on nitrogen for sunflower crop across the agroclimatic variability. *Environmental Science and Pollution Research*, 23(4), 3658-3670. doi:10.1007/s11356-015-5613-1
- Onifade, T. T. (2016). Hybrid renewable energy support policy in the power sector: The contracts for difference and capacity market case study. *Energy Policy*, 95, 390-401. doi:10.1016/j.enpol.2016.05.020
- Parkinson, D., Barter, D., & Gaultois, R. (2016). Comparison of spot and time weighted averaging (TWA) sampling with SPME-GC/MS methods for trihalomethane (THM) analysis. *Separations*, 3(1), UNSP 5. doi:10.3390/chromatography3010005
- Parry, D., Smith, R. S., & Mahmoodi, O. (2016). Tools used in mineral exploration for measuring the conductivity and the resistivity in drillholes and on drill core: Observations on their range of sensitivity. *Exploration Geophysics*, 47(4), 315-322. doi:10.1071/EG14083
- Pasiche-Lisboa, C. J., Belland, R. J., & Piercey-Normore, M. D. (2018). Regeneration responses differ among three boreal mosses after exposure to extreme temperatures. *Botany*, 96(8), 521-532. doi:10.1139/cjb-2018-0004

- Peake, L., Patrick, D., Reddy, R. N., Sarp Tanyildiz, G., Ruddick, S., & Tchoukaleyska, R. (2018). Placing planetary urbanization in other fields of vision. *Environment and Planning D: Society and Space*, 36(3), 374-386. doi:10.1177/0263775818775198
- Philben, M., Ziegler, S. E., Edwards, K. A., Kahler, R., & Benner, R. (2016). Soil organic nitrogen cycling increases with temperature and precipitation along a boreal forest latitudinal transect. *Biogeochemistry*, 127(2-3), 397-410. doi:10.1007/s10533-016-0187-7
- Piercey-Normore, M. D., & Athukorala, S. N. P. (2017). Interface between fungi and green algae in lichen associations. *Botany*, 95(10), 1005-1014. doi:10.1139/cjb-2017-0037
- Piskorz, K., Dust, J. M., Buncel, E., Lebel, O., & Nunzi, J. (2017). Deceleration of thermal ring closure in a glass-forming mexylaminotriazine-substituted merocyanine (MC) linked to intramolecular hydrogen bonding. *New Journal of Chemistry*, 41(3), 940-947. doi:10.1039/c6nj03368g
- Place, B. K., Young, C. J., Ziegler, S. E., Edwards, K. A., Salehpoor, L., & VandenBoer, T. C. (2018). Passive sampling capabilities for ultra-trace quantitation of atmospheric nitric acid (HNO<sub>3</sub>) in remote environments. *Atmospheric Environment*, 191, 360-369. doi:10.1016/j.atmosenv.2018.08.030
- Podrebarac, F. A., Laganière, J., Billings, S. A., Edwards, K. A., & Ziegler, S. E. (2016). Soils isolated during incubation underestimate temperature sensitivity of respiration and its response to climate history. *Soil Biology and Biochemistry*, 93, 60-68. doi:10.1016/j.soilbio.2015.10.012

- Prieto Vidal, N., Adeseun Adigun, O., Huong Pham, T., Mumtaz, A., Manful, C., Callahan, G., . . . Horatio Thomas, R. (2018). The effects of cold saponification on the unsaponified fatty acid composition and sensory perception of commercial natural herbal soaps. *Molecules*, 23(9) doi:10.3390/molecules23092356
- Rashid, H., Marche, B., Vermooten, M., Parry, D., Webb, M., Brockway, B., & Langer, K. (2016). Comment on “Asynchronous variation in the east asian winter monsoon during the holocene” by xiaojian zhang, liya jin, and na li. *Journal of Geophysical Research*, 121(4), 1611-1614. doi:10.1002/2015JD023983
- Rashid, H., Piper, D. J. W., Lazar, K. B., McDonald, K., & Saint-Ange, F. (2017). The holocene Labrador current: Changing linkages to atmospheric and oceanographic forcing factors. *Paleoceanography*, 32(5), 498-510. doi:10.1002/2016PA003051
- Rayner-Canham, M., & Rayner-Canham, G. (2017). Women chemists of the London school of Medicine for Women, 1874-1947. *Bulletin for the History of Chemistry*, 42(2), 126-132.
- Sabau, G., & Boksh, F. I. M. M. (2017). Fish trade liberalization under 21st century trade agreements: The CETA and Newfoundland and Labrador fish and seafood industry. *Ecological Economics*, 141, 222-233  
doi:<https://doi.org/10.1016/j.ecolecon.2017.04.025>
- Saeed, M. T., Wahid, M. A., Saleem, M. F., Cheema, M. A., Shahid, M., Abdul-Shakoor, & Abdul-Sattar. (2017). Improving the stand establishment, phenology and yield of soybean (*glycine max L.*) by various physiological enhancements. *Pakistan Journal of Agricultural Research*, 30(3), 218-225.

Saha, R., Dey, N. C., Rahman, S., Galagedara, L., & Bhattacharya, P. (2018). Exploring suitable sites for installing safe drinking water wells in coastal Bangladesh.

*Groundwater for Sustainable Development*, 7, 91-100.

doi:10.1016/j.gsd.2018.03.002

Saleem, M. F., Cheema, M. A., Sher, A., Wahid, M. A., & Anjum, S. A. (2016). Soil boron application accelerates mobilization of pre-anthesis reserves in sunflower (*helianthus annuus* L.). *Soil and Environment*, 35(2), 171-180.

Saleem, M. F., Shakoor, A., Shahid, M., Cheema, M. A., Shakeel, A., Shahid, M., . . .

Bilal, M. F. (2018). Removal of early fruit branches as potential regulator of Cry1Ac, antioxidants, senescence and yield in bt. cotton. *Industrial Crops and Products*, 124, 885-898. doi:10.1016/j.indcrop.2018.07.084

Sattar, A., Cheema, M. A., Abbas, T., Sher, A., Ijaz, M., & Hussain, M. (2017). Separate and combined effects of silicon and selenium on salt tolerance of wheat plants.

*Russian Journal of Plant Physiology*, 64(3), 341-348.

doi:10.1134/S1021443717030141

Sattar, A., Cheema, M. A., Abbas, T., Sher, A., Ijaz, M., Wahid, M. A., & Hussain, M. (2017). Physiological response of late sown wheat to exogenous application of silicon. *Cereal Research Communications*, 45(2), 202-213.

doi:10.1556/0806.45.2017.005

Sattar, A., Cheema, M. A., Ali, H., Sher, A., Ijaz, M., Hussain, M., . . . Abbas, T. (2016).

Silicon mediates the changes in water relations, photosynthetic pigments, enzymatic antioxidants activity and nutrient uptake in maize seedling under salt stress. *Grassland Science*, 62(4), 262-269. doi:10.1111/grs.12132

- Sattar, A., Cheema, M. A., Sher, A., Abbas, T., Irfan, M., Ijaz, M., . . . Ali, Q. (2018). Foliage applied silicon alleviates the combined effects of salinity and drought stress on wheat seedlings. *International Journal of Agriculture and Biology*, 20(11), 2537-2543. doi:10.17957/IJAB/15.0800
- Scott, R. J., & Black, C. A. (2018). An experimental examination of dietary impacts on nuptial signal expression in threespine stickleback: Does the nuptial signal indicate carotenoid and lipid stores? *Environmental Biology of Fishes*, 101(5), 687-698. doi:10.1007/s10641-018-0728-0
- Sigala, J., Stringam, B., & Unc, A. (2017). In vitro examination of the application of saline concentrate to septic tank wastewater. *Sustainable Water Resources Management*, 3(2), 157-162. doi:10.1007/s40899-017-0089-4
- Sircom, J., Arul Jothi, G., & Pinksen, J. (2018). Monitoring bee populations: Are eusocial bees attracted to different colours of pan trap than other bees? *Journal of Insect Conservation*, 22(3-4), 433-441. doi:10.1007/s10841-018-0071-y
- Sismondo, S., & Chloubova, Z. (2016). "You're not just a paid monkey reading slides": How key opinion leaders explain and justify their work. *Biosocieties*, 11(2), 199-219. doi:10.1057/biosoc.2015.32
- Sivashankar, P., Weerahewa, J., Pushpakumara, G., & Galagedara, L. (2016). An estimation of the willingness to pay for biodiesel: A pilot study of diesel consumers. *Bio-Based and Applied Economics*, 5(1), 27-45. doi:10.13128/BAE-15283
- Smith, D., Woodrow, M., & Vodden, K. (2016). A boat perspective: Local geographic knowledge of fish harvesters in Change Islands, Newfoundland. *Journal of Cultural Geography*, 33(1), 1-26. doi:10.1080/08873631.2015.1060689

- Stephenson, R. L., Paul, S., Wiber, M., Angel, E., Benson, A. J., Charles, A., . . . Sumaila, U. R. (2018). Evaluating and implementing social-ecological systems: A comprehensive approach to sustainable fisheries. *Fish and Fisheries*, 19(5), 853-873. doi:10.1111/faf.12296
- Stephenson, R. L., Wiber, M., Paul, S., Angel, E., Benson, A., Charles, A., . . . Sumaila, U. R. (2018). Integrating diverse objectives for sustainable fisheries in Canada. *Canadian Journal of Fisheries and Aquatic Sciences*, doi:10.1139/cjfas-2017-0345
- Tahtamouni, M. E., Khresat, S., Lucero, M., Sigala, J., & Unc, A. (2016). Diversity of endophytes across the soil-plant continuum for *triplex* spp. in arid environments. *Journal of Arid Land*, 8(2), 241-253. doi:10.1007/s40333-015-0061-9
- Tchoukaleyska, R. (2018). Public places and empty spaces: Dislocation, urban renewal and the death of a French plaza. *Urban Geography*, 39(6), 944-962. doi:10.1080/02723638.2017.1405872
- Toki, T., Kinoshita, M., Morita, S., Masuda, H., Rashid, H., Yoshinishi, H., . . . Noguchi, T. (2017). The vertical chloride ion profile at the IODP site C0002, kumano basin, off coast of Japan. *Tectonophysics*, 710-711, 88-96. doi:10.1016/j.tecto.2016.11.029
- Toki, T., Masuda, H., Rashid, H., Hammerschmidt, S., & Shinjo, R. (2016). Development of a new method of extraction of interstitial water from low-porosity consolidated sediments recovered during super-deep drilling projects. *Geostandards and Geoanalytical Research*, 40(2), 291-300. doi:10.1111/j.1751-908X.2015.00366.x

Um, I., Han, J., Shin, Y., & Dust, J. M. (2017). Multiparameter kinetic analysis of alkaline hydrolysis of a series of aryl diphenylphosphinothioates: Models for P=S neurotoxins. *Journal of Physical Organic Chemistry*, 30(7) doi:10.1002/poc.3657

Um, I., Kang, J., & Dust, J. M. (2016). Alkali metal ion catalysis and inhibition in alkaline ethanolysis of O -Y-substituted-phenyl O -phenyl thionocarbonates: Contrasting M+ion effects upon changing electrophilic centre from C=O to C=S. *Canadian Journal of Chemistry*, 95(1), 45-50. doi:10.1139/cjc-2016-0378

Um, I., Kim, M., & Dust, J. M. (2017). Medium effect (water versus MeCN) on reactivity and reaction pathways for the SNAr reaction of 1-aryloxy-2,4-dinitrobenzenes with cyclic secondary amines. *Canadian Journal of Chemistry*, 95(12), 1273-1279. doi:10.1139/cjc-2017-0454

Um, I., Moon, H., Shin, Y., & Dust, J. M. (2018). Medium effect on the  $\hat{\imath}\pm$ -effect for nucleophilic substitution reactions of p-nitrophenyl acetate with benzohydroxamates and m-chlorophenoxy in DMSO-H<sub>2</sub>O mixtures as contrasts with MeCN-H<sub>2</sub>O mixtures: Comparing two very different polar aprotic solvent components. *Canadian Journal of Chemistry*, 96(10), 922-928. doi:10.1139/cjc-2018-0103

Um, I., Song, J., Bae, A., & Dust, J. M. (2018). Unexpected medium effect on the mechanism for aminolysis of aryl phenyl carbonates in acetonitrile and H<sub>2</sub>O: Transition-state structure in the catalytic pathway. *Canadian Journal of Chemistry*, 96(12), 1011-1020. doi:10.1139/cjc-2018-0204

Unc, A., Monfet, E., Potter, A., Camargo-Valero, M. A., & Smith, S. R. (2017). Note to editor: Microalgae cultivation for wastewater treatment and biofuel production: A

bibliographic overview of past and current trends. *Algal Research-Biomass Biofuels and Bioproducts*, 24, A2-A7. doi:10.1016/j.algal.2017.05.005

Unc, A., Camargo-Valero, M. A., & Smith, S. R. (2017). Algal research, special issue editorial: Wastewater and algae; risk, biofuels and long-term sustainability. *Algal Research-Biomass Biofuels and Bioproducts*, 24, A1. doi:10.1016/j.algal.2017.05.004

van Zyll de Jong, M., Adams, B., Cote, D., & Cowx, I. (2017). The effects of population density and lake characteristics on growth and size structure of brook trout *salvelinus fontinalis* (mitchill, 1815) in boreal forest lakes in Canada. *Journal of Applied Ichthyology*, 33(5), 957-965. doi:10.1111/jai.13407

Vasilyeva, O. (2017). Competition of multiple species in advective environments. *Bulletin of Mathematical Biology*, 79(6), 1274-1294. doi:10.1007/s11538-017-0285-2

Vidal, N. P., Pham, H. T., Manful, C., Pumphrey, R., Nadeem, M., Cheema, M. A., . . . Thomas, R. (2018). The use of natural media amendments to produce kale enhanced with functional lipids in controlled environment production system. *Scientific Reports*, 8(1), 14771. doi:10.1038/s41598-018-32866-5

Vidal, N. P., Adigun, O. A., Pham, H. T., Cheema, M. A., Manful, C., Callahan, G., . . . Thomas, R. H. (2018). The effects of cold saponification on the unsaponified fatty acid composition and sensory perception of commercial natural herbal soaps. *Molecules*, 23(9), 2356. doi:10.3390/molecules23092356

Wang, M., Wu, J., Chen, H., Yu, Z., Zhu, Q., Peng, C., . . . Luan, J. (2018). Temporal-spatial pattern of organic carbon sequestration by Chinese lakes since 1850.

*Limnology and Oceanography*, 63(3), 1283-1297. doi:10.1002/lo.10771

Wang, M., Wu, J., Lafleur, P. M., Luan, J., Chen, H., & Zhu, X. (2018). Can abandoned peatland pasture sequester more carbon dioxide from the atmosphere than an adjacent pristine bog in Newfoundland, Canada? *Agricultural and Forest Meteorology*, 248, 91-108. doi:10.1016/j.agrformet.2017.09.010

Wang, M., Wu, J., Lafleur, P. M., Luan, J., Chen, H., & Zhu, X. (2018). Temporal shifts in controls over methane emissions from a boreal bog. *Agricultural and Forest Meteorology*, 262, 120-134. doi:10.1016/j.agrformet.2018.07.002

Wang, M., Wu, J., Luan, J., Lafleur, P., Chen, H., & Zhu, X. (2017). Near-zero methane emission from an abandoned boreal peatland pasture based on eddy covariance measurements. *Plos One*, 12(12), e0189692. doi:10.1371/journal.pone.0189692

Ward, B. M., Doney, E. D., Vodden, K., & Bath, A. J. (2018). The importance of beliefs in predicting support for a south coast national marine conservation area in Newfoundland and Labrador, Canada. *Ocean and Coastal Management*, 162, 6-12. doi:10.1016/j.ocecoaman.2017.12.021

Warkentin, I. G., Espie, R. H. M., Lieske, D. J., & James, P. C. (2016). Variation in selection pressure acting on body size by age and sex in a reverse sexual size dimorphic raptor. *Ibis*, 158(3), 656-669. doi:10.1111/ibi.12369

Wasserstrom, H., Ben-Ezra, V. E., Sherman, C., Unc, A., & Steinberger, Y. (2017). The influence of flint stones on a soil microbial community in the northern Negev Desert. *Aims Microbiology*, 3(3), 580-595. doi:10.3934/microbiol.2017.3.580

- Whitaker, D. M., Warkentin, I. G., Hobson, K. A., Thomas, P., & Boardman, R. (2018). Fall and winter movements of Newfoundland gray-cheeked thrushes (*catharus minimus minimus*). *Animal Migration*, 5(1), 42-48. doi:10.1515/ami-2018-0004
- Wijewardana, Y. N. S., Shilpadi, A. T., Mowlood, M. I. M., Kawamoto, K., & Galagedara, L. W. (2017). Ground-penetrating radar (GPR) responses for sub-surface salt contamination and solid waste: Modeling and controlled lysimeter studies. *Environmental Monitoring and Assessment*, 189(2) doi:10.1007/s10661-017-5770-4
- Yu, J., Unc, A., Zhang, X., & Steinberger, Y. (2016). Responses of the soil microbial catabolic profile and diversity to vegetation rehabilitation in degraded semiarid grassland. *Applied Soil Ecology*, 101, 124-131. doi:10.1016/j.apsoil.2016.01.022
- Zaeem, M., Nadeem, M., Ashiq, W., Ali, W., Gillani, S. M., Pham, H., . . . Thomas, R. (2017). Relationship between rhizosphere soil acid phosphatase activities and forage production in silage corn and soybean intercropping in cool climate. *Canadian Journal of Plant Pathology*, 39(4), 586-586.
- Zhao, P., Zhao, J., Wu, J., Yang, Y., Xue, W., & Hou, Y. (2016). Integration of multi-classifiers in object-based methods for forest classification in the Loess Plateau, China. *Scienceasia*, 42(4), 283-289. doi:10.2306/scienceasia1513-1874.2016.42.283
- Ziegler, S. E., Benner, R., Billings, S. A., Edwards, K. A., Philben, M., Zhu, X., & Laganière, J. (2017). Climate warming can accelerate carbon fluxes without changing soil carbon stocks. *Frontiers in Earth Science*, 5(2). doi:10.3389/feart.2017.00002

Zraik, M., Booth, T., & Piercy-Normore, M. D. (2018). Relationship between lichen species composition, secondary metabolites and soil pH, organic matter, and grain characteristics in Manitoba. *Botany*, 96(4), 267-279. doi:10.1139/cjb-2017-0176

## Books

- Burzynski, M., Mann, H., Marceau, A., & Gros Morne Co-operating Association. (2016). *Exploring the limestone barrens of Newfoundland and Labrador: A photographic guide to the natural history of limestone barrens, cliffs, ponds, and fens*. Rocky Harbour, NL: Gros Morne Co-operating Association.
- Keske, C. M. (2018). *Food futures: Growing a sustainable food system for Newfoundland and Labrador*. St. John's, NL: ISER.
- Mann, H., Burzynski, M., & Gros Morne Co-operating Association. (2018). *Flesh-eating plants of Newfoundland & Labrador and the maritime provinces*. Rocky Harbour, NL: Gros Morne Co-operating Association.
- Mintz, E., Tossutti, L., & Dunn, C. (2016). *Canada's politics: Democracy, diversity and good government* (3rd. ed.) Toronto, ON: Pearson.
- Rayner-Canham, G. (Ed.). (2017). *A chemical passion: The forgotten story of chemistry at British independent girls' schools, 1820s-1930s*. London, UK: UCL Institute of Education Press.
- Savic, I., & Shirkey, Z. C. (2017). *Uncertainty, threat, and international security: Implications for southeast Asia*. London, UK: Routledge.

## Book Chapters

- Chuenpagdee, R., Olson, K., Bishop, D., Brauer, M., Kerezi, V., Plaan, J., . . . Sabau, G. (2017). The step aero for implementing the small-scale fisheries guidelines in Newfoundland and Labrador. In S. Jentoft, R. Chuenpagdee, M. J. Barragán-Paladines, & N. Franz (Eds.), *The small-scale fisheries guidelines: Global implementation* (pp. 495-517). Cham, Switzerland: Springer.
- Foly, P., & Mather, C. (2018). Bringing seafood into food regime analysis: The global political economy of Newfoundland and Labrador fisheries. In C. M. Keske (Ed.), *Food futures: Growing a sustainable food system for Newfoundland and Labrador* (pp. 237-270). St. John's, NL: ISER.
- Goss, M. J., Unc, A., & Ehlers, W. (2018). Improving water management in organic crop cultivation. In U. Köpke (Ed.), *Improving organic crop cultivation* (pp. 243-263). Cambridge, UK: Burleigh Dodds Science.
- Irvine, M., Vodden, K., & Keenan, R. (2016). Developing assessment and adaptation capacity: Integrating climate change considerations into municipal planning in Newfoundland and Labrador. In L. Hallstrom, M. Beckie, G. Hvenegaard, & K. Mündel (Eds.), *Sustainability planning and collaboration in rural Canada: Taking the next steps* (pp. 117-144). Edmonton, AB: University of Alberta Press.
- King, M. (2018). Experts in the field: Using fishers' ecological knowledge (FEK) in primary food production. In C. M. Keske (Ed.), *Food futures: Growing a sustainable food system for Newfoundland and Labrador* (pp. 271-302). St. John's, NL: ISER.

- Klinke, A., & Renn, O. (2018). Distributed responsibility in risk governance. In P. A. Wilderer, O. Renn, M. Grambow, M. Molls, & K. Mainzer (Eds.), *Sustainable risk management* (pp. 19-31). Cham, Switzerland: Springer.
- Klinke, A. (2016). Democratic theory. In C. Ansell, & J. Torfing (Eds.), *Handbook on theories of governance* (pp. 86-100). Cheltenham: Edward Elgar.
- Klinke, A. (2016). Risk governance. In C. Ansell, & J. Torfing (Eds.), *Handbook on theories of governance* (pp. 245-258). Cheltham, UK: Edward Elgar.
- Lehrer, U., & Tchoukaleyska, R. (2017). Old wine in new bottles: Land, population growth, and Montpellier's suburban face off. In N. Phelps (Ed.), *Old Europe, New Suburbanization? Governance, land and infrastructure in European suburbanization* (pp. 133). Toronto, ON: University of Toronto Press.
- Rayner-Canham, G. (2018). Organizing the transition metals. In G. Restrepo, & E. Scerri (Eds.), *Mendeleev to Oganesson. multidisciplinary perspectives on the periodic table* (pp. 195-205). Oxford, UK: Oxford University Press.
- Richards, G., & Carruthers Den Hoed, R. (2018). Seven strategies of climate change science communication for policy change: Combining academic theory with practical evidence from science-policy partnerships in Canada. In W. Filho, U. Azeiteiro, E. Manolas, & A. Azul (Eds.), *Handbook of climate change communication: Vol. 2* (pp. 147-160). Cham, Switzerland: Springer.
- doi:[https://doi.org/10.1007/978-3-319-70066-3\\_11](https://doi.org/10.1007/978-3-319-70066-3_11)
- Sabau, G. (2017). Costa Rica: A champion of the small-scale fisheries guidelines. In S. Jentoft, R. Chuenpagdee, M. J. Barragán-Paladines, & N. Franz (Eds.), *The small-*

- scale fisheries guidelines: Global implementation* (pp. 355-378). Cham, Switzerland: Springer.
- Sabau, G. (2017). Ecological economics and the ocean. In S. Jentoft, R. Chuenpagdee, M. J. Barragán-Paladines, & N. Franz (Eds.), *The future of ocean governance and capacity development* (pp. 303-308). Leiden, Netherlands: Brill.
- Vodden, K. (2016). Community-based research in the classroom (vignette). In S. Markey, L. Ryser, and D. Manson (Eds.), *It's a people process: Doing community-based research* (pp. 63-66). Montreal, QC: McGill-Queen's University Press.
- Vodden, K. (2016). Research relationships that last (vignette). In S. Markey, L. Ryser & D. Manson (Eds.), *It's a people process: Doing community-based research* (pp. 248-250). Montreal, QC: McGill-Queen's University Press.
- Vodden, K., L. Hunt, & Bell, R. (2016). Tourism and the arts: Arts, culture and first nations-led tourism development, broadening conceptions of the social economy. In L. Hallstrom, M. Beckie, G. Hvenegaard, & K. Mündel (Eds.), *Scaling up: The convergence of social economy and sustainability* (pp. 147-168). Edmonton, AB: Athabasca University Press.
- Vodden, K., R. Lane, & Pollett, C. (2016). Seeking sustainability through self-assessment and regional cooperation in Newfoundland and Labrador. In L. Hallstrom, M. Beckie, G. Hvenegaard, & K. Mündel (Eds.), *Sustainability planning and collaboration in rural Canada: Taking the next steps* (pp. 321-346) Edmonton, AB: Universtiy of Alberta Press.
- Vodden, K., R. Lane, & Pollett, C. (2017). Enhancing democracy in rural and regional development governance. In A. Marland, & L. Moore (Eds.), *Democracy cookbook:*

- Recipes to renew governance in Newfoundland and Labrador* (pp. 85-88). St. John's, NL: ISER.
- Vodden, K., Keske, C., & Islam, J. (2018). Food as a social movement in Newfoundland and Labrador: The role of community gardens. In C. M. Keske (Ed.), *Food futures: Growing a sustainable food system for Newfoundland and Labrador* (pp. 111-137). St. John's, NL: ISER.
- Walke, S., & Wu, J. (2018). A hive of possibility: The sustainability of honeybees and apiculture in Newfoundland and Labrador. In C. M. Keske (Ed.), *Food futures: Growing a sustainable food system for Newfoundland and Labrador* (pp. 347-380). St. John's, NL: ISER.

## **Encyclopedia Entries**

- Renn, O., & Klinke, A. (2016). Risk perception and its impacts on risk governance. *Environmental science: Oxford research encyclopedia*, Oxford, UK: Oxford University Press. doi:10.1093/acrefore/9780199389414.013.2
- Whitaker, D. M., Warkentin, I. G., McDermott, J. P. B., Lowther, P. E., Rimmer, C. C., Kessel, B. . . . Ellison, W. G. (2018). Gray-cheeked thrush (*catharus minimus*). In P. Rodewald (Ed.), *The birds of North America* (2nd ed.). Ithaca, NY: Cornell Lab of Ornithology. doi:<https://doi.org/10.2173/bna.gycthr.02>

## **Magazine Entries**

- Abhyankar, S. (2016, Fall). Latest from the literature. *College Chemistry Canada Newsletter*.

Abhyankar, S. (2017, Fall). Latest from the literature. *College Chemistry Canada Newsletter*.

Andersen, C. & Rayner-Canham, G. (2018, September). Ramah Bay: 7,000 years of aboriginal culture and chemistry. *Chem13 News*.

Andersen, C. & Rayner-Canham, G. (2018, October). Soy sauce: An essential Inuit condiment. *Chem13 News*.

Andersen, C. & Rayner-Canham, G. (2018, November). PFOS: The newest arctic pollutant. *Chem13 News*, 13-15.

Hewlett, M., & Barkanova, S. (2017). High school outreach by postsecondary students. *Physics in Canada*, 73(3), 153-5.

Johnson, M., & Barkanova, S. (2017). Theory Canada 12 conference: Building community from British Columbia to Newfoundland. *Physics in Canada*, 73.

Rayner-Canham, G., & Brett, A. (2017, February). What on earth are tholins? *Chem13 News*, 12-13.