

APPENDIX E – Publications, Conference Proceedings and Presentations

Journal Publications - 2016

- Abirhire, O., R. North, K. Hunter, D. Vandergucht, and J. Hudson. 2016. Do human activities affect phytoplankton biomass and composition in embayments on Lake Diefenbaker? *Freshwater Ecology*. Accepted 17 May 2016, Published Online August 9, 2016. <http://dx.doi.org/10.1080/02705060.2016.1205526>.
- Abuelela, A.M., Mohamed, T.A., Wilson, L.D., W.M. Zoghaib. 2016. Raman and infrared spectra, normal coordinate analysis and ab initio calculations of 4-Amino-2-chloropyrimidine-5-carbonitrile. *J. Molecular Structure*, 115, 85-93.
- Al Harbi, H.A., D.M.V. Saunders, A.-Mousab, J. Alcorna, A.S. Pereira; J.W. Martin, J.P. Giesy and S.B. Wiseman. 2016. Inhibition of ABC Transport Proteins by Oil Sands Process Affected Water. *Aquatic Toxicol.* 170: 81–88. DOI: [org/10.1016/j.aquatox.2015.11.013](http://dx.doi.org/10.1016/j.aquatox.2015.11.013)
- Al Nagggar, Y. Y. Tan, C. Rutherford, W. Connore, P. Griebeler, J.P. Giesy and Albert J. Robertson. 2016. Effects of Treatments with Apivar® and Thymovar® on *V. destructor* Populations, Virus Infections and Indoor Winter Survival of Canadian Honey Bee (*Apis mellifera* L.) Colonies. *J. Apicult. Res.* 54: DOI:10.1080/00218839.2016.1186917
- Alexander, A.C., Culp, J.M., Baird, D.J., and Cessna A.J. 2016. Nutrient-contaminant interactions decouple density-dependent responses in aquatic and emergent insects. *Freshwater Biology* (in press).
- Amarakoon, I., Zvomuya, F., Sura, S., Larney, F.J., Cessna, A.J., Xu, S., and McAllister, T.A. 2016. Dissipation of antimicrobials in feedlot manure compost after oral administration versus fortification after excretion. *The Journal of Environmental Quality* 45:503-510.
- Amarakoon, I., Sura, S., Zvomuya, F., Cessna, A.J., Larney, F.J., and McAllister, T.A. 2016. Dissipation of antimicrobials in a seasonally frozen soil following beef cattle manure application. *The Journal of Environmental Quality* (in press).
- Ameli, A.A., N. Amvrosiadi, T. Grabs, I. Creed, H. Laudon, K. Bishop and J.J. McDonnell. 2016. Assessment of controls on travel time distribution and flow pathways in till catchments. *Journal of Hydrology*, in press.
- Ameli, A., J.J. McDonnell and K. Bishop, 2016. The exponential decline in saturated hydraulic conductivity with depth and its effect on water flow paths and transit time distribution. *Hydrological Processes*, DOI: 10.1002/hyp.10777.
- Barbour, S.L., Hendry, M.J., Carey, S.K. 2016. High-Resolution Profiling of the Stable Isotopes of Water in Unsaturated Coal Waste Rock. *J. Hydrol.*, 534: 616-629.
- Bartlett, M., J.J. McDonnell and A. Porporato. 2016. A probabilistic storage framework for semi-distributed modeling that unifies the SCS-CN method, VIC, PDM, and TOPMODEL. *Water Resources Research*, in press.
- Bartlett, M., E. Daly, J.J. McDonnell and A. Porporato. 2016. Excess over a threshold in stochastic jump processes: theory and application to rainfall-runoff modeling. *Proceedings Royal Society A*, in press.
- Beebe, C.R., Ferguson, G., Gleeson, T. Morgan, L. and Werner, A.D. 2016. Application of an Analytical Solution as a Screening Tool for Sea Water Intrusion. *Groundwater*. Wiley/National Groundwater Association.

- Betancur-Corredor, B., J. Soltan and G. A. Peñuela, 2016. Mineralization of ibuprofen in the presence of humic acid through catalytic ozonation using Mn-Cu/Al₂O₃ catalyst, *Ozone Science & Engineering*, 38, 3, 203-210.
- Bi, X., W. Luo, J.-J. Gao, L. Xu, J.-M. Guo, Q.-G. Zhang, K.Y. Romesh, J.P. Giesy, S.H. Kang and J. de Boer. 2016. Polycyclic Aromatic Hydrocarbons in Soils from the Central-Himalaya Region: Distribution, Risk Assessment and Potential Transport Pathways. *Sci. Tot. Environ.* 556:12-22. DOI: 10.1016/j.scitotenv.2016.03.006
- Bishop, C.A., S. Trudeau, D.M. Janz and K.D. Hughes. 2016. Contaminant concentrations and biomarkers in 21-day old herring gulls (*Larus argentatus*) and double-crested cormorants (*Phalacrocorax auritus*) from eastern Lake Ontario, and from Hamilton Harbour in western Lake Ontario in 1989 and 1990. *Aquatic Ecosystem Health and Management* 19, 181-191.
- Bissonnette, J., Essilfie-Dughan, J., Moldovan, B.J., and Hendry, M.J. 2016. Sequestration of As and Mo in Uranium Mill Precipitates (pH 1.5-9.2): an XAS Study. *Applied Geochemistry*. (accepted June 22, 2016).
- Bradford, L.E.A., Zagozewski, R. and Bharadwaj, L.A. 2016. Perspectives of water and health using Photovoice with youths living on reserve. *Canadian Geographer* (in press)
- Bradford, L.E.A., Okpalauwaekwe, U., Waldner, C., Bharadwaj, L.A. 2016. Drinking water quality in indigenous communities in Canada and health outcomes: a scoping review. *International Journal of Circumpolar Health*, (in press).
- Bradford, L. E. A., Lindenschmidt, K-E., Bharadwaj, L.A. 2016. Alternative Policies for Collaborative Publishing in Natural Resource Journals. *Society and Natural Resources*, 29(11): 1375-1388.
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- Carr, M.K., Watkinson, D.A. and Lindenschmidt, K.-E. 2016. Identifying Links between Geomorphic Response Units (GRU) and Fish Species in the Assiniboine River, Manitoba. *Ecohydrology* <http://dx.doi.org/10.1002/eco.1714>
- Cavallaro, M.C., C.A. Morrissey, J.V. Headley, K. Peru and K. Liber. 2016. Comparative chronic toxicity of imidacloprid, clothianidin, and thiamethoxam to *Chironomus dilutus* and estimation of toxic equivalency factors. *Environ. Toxicol. Chem.* (In press).
- Chapin, F. S., III, A. Conway, J. F. Johnstone, T. N. Hollingsworth, J. Hollingsworth. 2016. Absence of net long-term successional facilitation by alder in a boreal Alaska floodplain. *Ecology*, in press.
- Chen L, Li YP, Chen F, Barr A, Barlage M and Wan B. 2016. The incorporation of an organic soil layer in the Noah-MP Land Surface Model and its evaluation over a boreal aspen forest. *Atmos. Chem. Phys.*, 16: 8,375-8,387.
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- Das, S., Essilfie-Dughan, J., and Hendry, M.J. 2016. Fate of adsorbed molybdate during phase transformation of 2-line ferrihydrite under alkaline conditions. *Applied Geochemistry* (accepted August 2 2016).
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- Doig L.E., R.L. North, J.J. Hudson, C. Hewlett, K.-E. Lindenschmidt and K. Liber. 2016. Climate impacts on sediment phosphorus release: A case study from a narrow river-valley reservoir in the northern Great Plains of North America. *Hydrobiologia* (Accepted)
- Dolatkah, A., and L.D. Wilson. Magnetite/Polymer Brush Nanocomposites with Switchable Uptake Behavior Toward Methylene Blue. *ACS Appl. Mater. Interfaces*, 2016, 8 (8), 5595–5607, DOI: 10.1021/acsami.5b11599.
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- Eichbaum, K., M. Brinkmann, L. Nuesser, S. Buchinger, G. Reifferscheid, G. Codling, P. Jones, M. Hecker, and H. Hollert. 2016. Bioanalytical and Instrumental Screening of the Uptake of Sediment-borne, Dioxin-like Compounds in Roach (*Rutilus rutilus*). *Envir. Sci. Pollut. Res.* DOI: 10.1007/s11356-016-6377-y
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- George, G.N., J. Gailer, O. Ponomarenko, P. F. La Porte, K. Strait, M. Alauddin, H. Ahsan, J. Spallholz and I. J. Pickering. 2016. Observation of the seleno bis-(S-glutathionyl) arsinium anion in rat bile. *Journal of Inorganic Biochemistry* 158, 24–29 (2016). DOI: 10.1016/j.jinorgbio.2016.01.022
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