



Ecotoxicology of Contaminants in Arctic Food Chains

Two MSc student opportunities are available to join a collaborative research program involving the National Wildlife Research Centre (a government facility of Environment and Climate Change Canada) and the Department of Geography and Environmental Studies at Carleton University.

<p>Metal Bioaccumulation in Wolverine of the Western Arctic</p> <p>A MSc student position is available starting in September 2019 to investigate broad scale geographic controls on the bioaccumulation of metals in wolverines of the western Arctic. Tissue samples will be obtained from hunter collection programs in the Yukon, Northwest Territories and Nunavut. The MSc student will conduct laboratory processing and chemical analysis of tissue samples, and will use GIS and stable isotope approaches to examine the influences of key environmental and ecological processes on metal bioaccumulation in this terrestrial bioindicator species.</p>	<p>Climate Change Impacts on Metal(loid) Accumulation in Aquatic Food Chains</p> <p>A MSc student position is available starting in September 2019 to investigate how climate change may impact the fate of metal(loid) pollution in food webs of northern aquatic ecosystems. There is mounting evidence that climate-driven environmental conditions can affect the sensitivity of Arctic ecosystems to contaminants. The MSc student will conduct experiments under controlled laboratory conditions to investigate the role of key climate-related variables on mercury and arsenic accumulation, using aquatic invertebrates as a bioindicator.</p>
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To apply, please email Dr. John Chételat (john.chetelat@canada.ca) with the following: 1) a cover letter briefly describing your career goals and how they align with the MSc opportunity, 2) a CV, 3) unofficial transcripts, and 4) names and contact information for 2 references. Review of applications will begin on January 31, 2019 and will continue until the positions are filled.

Dr. John Chételat
Research Scientist, Environment and Climate Change Canada
Adjunct Research Professor, Geography and Environmental Studies, Carleton University
Contact: 613-991-9835, john.chetelat@canada.ca
Web: <http://carleton.ca/geography/people/john-chetelat/>
Web: <https://profil-profiles.science.gc.ca/en/profile/dr-john-chetelat>