



UNIVERSITY
OF MANITOBA

Clayton H. Riddell Faculty of
Environment, Earth, and Resources

Centre for Earth Observation Science

POSTING: PhD or Masters Student – Arctic Marine Cryospheric Chemistry

We are seeking highly motivated graduate students (Ph.D. or M.Sc.) with exceptional academic standing to examine freezing-temperature chemical (“cryoreactions”) and biogeochemical processes of contaminants (e.g., mercury, oil) and carbon across the Arctic sea ice environment. The research will involve both laboratory and field work, including mesocosm-scale studies at the internationally unique Sea-ice Environmental Research Facility (SERF) and the soon-to-be operational Churchill Marine Observatory (CMO), and research cruises aboard the Canadian Research Icebreaker CCGS Amundsen.

Applicants should have a strong background in the areas of environmental chemistry, physical chemistry, analytical chemistry, (bio)geochemistry, or chemical oceanography. Special consideration will be given to those candidates with experience in instrumental analytical techniques, modelling and/or field studies in the Arctic and with sea ice.

The successful candidates will be working at the Centre for Earth Observation Science (CEOS) of the University of Manitoba. Housed within the Clayton H. Riddell Faculty of Environment Earth and Resources, CEOS is home to 15 full time faculty, and approximately 70 graduate students, research associates, and other staff devoted to the study of Arctic marine science. The Centre is located in the newly developed Nellie Cournoyea Arctic Research Facility. Graduate students have access to state-of-the-art field and laboratory facilities including the Ultra-Clean Trace Elements Laboratory (UCTEL), SERF, CMO, and the Canadian Research Icebreaker CCGS Amundsen. CEOS is a founding member of the national ArcticNet program and the international Arctic Science Partnership (ASP).

Available Immediately

Pre-applications should be emailed to Feiyue.Wang@umanitoba.ca, Canada Research Chair in Arctic Environmental Chemistry. Include in your pre-application a CV, transcripts, a short statement of relevant research experience and interests, and the contact information for two referees.

For admission requirement and application procedure, visit the Faculty of Graduate Studies. Refer to [Environment and Geography](#) program requirements.



For further information, please visit:

CEOS: umanitoba.ca/ceos

ASP: asp-net.org

CMO: umanitoba.ca/ceos/research/CMO.html

CCGS Amundsen: amundsen.ulaval.ca

