Graduate Research Opportunities
Earth Sciences, University of Ottawa

Graduate research opportunities are available at the M.Sc. and the Ph.D. level for students interested in studies of groundwater geochemistry and solute transport in low permeability rocks, and the fate of contaminants in fractured porous bedrock aquifers. Several of the research projects focus on advancement in the understanding of gas and solute transport processes in a variety of low-permeability igneous and sedimentary rocks. This research is supported in part by the Canadian Nuclear Waste Management Organization. Students participating in this program will assist in developing the scientific methods and knowledge needed to assist with characterization and selection of a site for deep geological disposal of radioactive waste. Other projects focus on understanding potential impacts to groundwater from development of unconventional gas resources, and on geochemical reaction processes that control the transport and remediation of anthropogenic contaminants in shallow aquifers.

Students will conduct their studies in a team environment in the new Advanced Research Complex that hosts the G.G. Hatch Isotope Lab, a new accelerator mass spectrometry facility and a variety of other state-of-the-art research facilities. Applicants should have a strong background in geoscience with emphasis on geochemistry and hydrogeology.

Interested applicants should contact:

Dr. Tom Al
Department of Earth Sciences
University of Ottawa
Tom.Al@uottawa.ca