

Research Associate – Environmental Analytical Chemistry

Location:

Algoma University, Sault Ste. Marie, Ontario

Position Status:

Full-Time, 52-week NOHFC Internship

Hours: 35 hours/week

Salary: \$39,002.60 + MERCs

Start Date: As soon as possible (negotiable)



SUMMARY

The Environmental Chemistry and Biomarker Discovery Program at Algoma University, Department of Biology is seeking a highly motivated Research Associate to support an ambitious multidisciplinary research initiative in untargeted metabolomics, eutrophication diagnostics, cyanobacterial metabolite chemistry, and AI-assisted environmental data analysis. The successful candidate will work with advanced analytical platforms (LC-QTOF, LC-MS/MS), digital data pipelines, and organism–metabolite frameworks to identify biomarkers of freshwater ecosystem change in close collaboration with Environment and Climate Change Canada’s Centre of Inland Waters (ECCC-CCIW), and International Institute for Sustainable Development Experimental Lakes Area (IISD-ELA).

PRIMARY RESPONSIBILITIES

- Conduct sample preparation, extraction.
- Operate LC–QTOF and LC–MS/MS for untargeted and targeted analysis.
- Perform data acquisition, annotation, and multivariate analysis.
- Maintain accurate laboratory records and data management systems.

MINIMUM REQUIREMENTS

- Bachelor’s or Master’s degree in Environmental Science or related field
- Experience with analytical chemistry techniques (e.g., LC–MS, LC-MS/MS).
- Be a **new entrant into the workforce**, transitioning to a new career, or unemployed/underemployed and entering a new field.
- **Not** have previously participated in a NOHFC-funded internship.
- Be at least 18 years of age.
- Reside in Northern Ontario, or be willing to relocate for the duration of the internship.
- Be legally entitled to work in Canada.

APPLICATION PROCESS

Submit the following as a single PDF:

Cover letter (one page)

Curriculum vitae (detailed)

Names and contact information of two referees

Email applications to:

Dr. Ammar Saleem

Assistant Professor, Environmental Chemistry

Email: ammar.saleem@algonau.ca

Subject line: Research Associate – Environmental Chemistry (NOHFC)

ACCESSIBILITY & EDI STATEMENT

Algoma University is strongly committed to equity, diversity, and inclusion.

Accommodation is available throughout the hiring process upon request.

This opportunity is proudly supported by Northern Ontario Heritage Fund Corporation and is funded through the Workforce Development Program. Eligibility requirements of the program can be found here:

<https://nohfc.ca/en/pages/programs/people-talent-program/workforce-development-stre>
[am](#)