NIMA SABERI, Ph.D.

GEOCHEMISTRY CONSULTANT

EDUCATION

Ph.D., Geological Science and Geological Engineering (Hydro-geochemistry), Queen's University, Canada, 2025
M.Sc., Hydro-Informatics and Water Management, University of Cote d'Azur/Newcastle University/Warsaw University of Technology/Technical University of Catalonia/Brandenburg University of Technology, France/United Kingdom/Poland/Spain/Germany, 2020
M.Sc., Civil Engineering-Environmental Engineering, Iran University of Science and Technology, Iran, 2015
B.Sc., Civil Engineering, Azad University, Iran, 2012

PROFESSIONAL REGISTRATION

The European Association of Geochemistry
Tehran Construction Engineering Organization

SUMMARY

A hydrogeochemist with over 7 years of experience in academia, specializing in hydrogeology and environmental geochemistry. Nima joined Robertson GeoConsultants Inc. in 2025 as a geochemist.

Nima is an expert in mineralogical and geochemical characterization of soils, mine waste rocks, and tailings; assessment of acid rock drainage and metal leaching potential; and identification of sources and causes of degraded (ground)water quality.

PROFESSIONAL HISTORY

2025-present: Geochemistry Consultant, Robertson GeoConsultants Inc.
2022-2024: Teaching Assistant, Queen's University
2020-2020: Intern, Deltares, The Netherlands

PROJECT EXPERIENCE

TYPE OF SERVICE/TECHNOLOGY PROVIDED

various mining projects at RGC (2025)

- Geochemical data compilation and preparation, tabulation, visualization, and analysis

Former Bouchard Hébert Mine Site, Quebec (2025)

- Geochemical data compilation and preparation, tabulation, visualization, and analysis
- Preparation and co-authorship of a technical report characterizing waste materials

Domtar Mackenzie paper mill, British Columbia (2025) for SLR Consulting

- Providing geochemical expertise and analysis regarding contaminant source identification in soil and groundwater

SELECTED PUBLICATIONS

-Compositional heterogeneity of secondary minerals in mine waste rock: Origins and implications for water quality. Journal of Hazardous Materials, 137163. **Saberi, N.**, & Vriens, B. (2025)

-The effects of water content on mineralogical and drainage quality dynamics in weathering mine waste rock. Minerals Engineering, 214, 108791. **Saberi, N.**, & Vriens, B. (2024)

-The influence of mineralogy and water content on drainage quality in weathered mine waste rock. ICARD Conference, Halifax, Canada. **Saberi, N.**, & Vriens, B. (2024)

-Sample preparation biases in automated quantitative mineralogical analysis of mine wastes. Microscopy and Microanalysis, 29(1), 94-104. **Saberi, N.**, & Vriens, B. (2023)

-Assessment of EDTA-enhanced electrokinetic removal of metal(liod)s from phosphate mine tailings. Separation Science and Technology, 58(3),613-625. Ostovar, M., Ghasemi, A., Karimi, F., **Saberi, N.**, Vriens, B. (2023)

-Selenium contamination in water; analytical and removal methods: a comprehensive review. Separation Science and Technology, 57(15),2500-2520. Ostovar, M., **Saberi, N.**, Ghiassi, R. (2022)

-Expanding our knowledge base to support sustainable mine waste management. Goldschmidt Conference, Honolulu, USA. Vriens, B., Ali, J.D., Silva Caceres, M., **Saberi, N.**, Guatame-Garcia, A. (2022)

-Simultaneous removal of polycyclic aromatic hydrocarbon and heavy metals from an artificial clayey soil by enhanced electrokinetic method. Journal of Environmental Management, 217, 897-905. **Saberi, N.**, Aghababaei, M., Ostovar, M., Mehrnahad, H. (2018)