

Farhad Bouzari, PhD

Profile

Over 20 years of experience working on porphyry and allied deposits focusing on both their hypogene and supergene features as well as lode Au deposits. Proficient at application of mineralogical and geochemical techniques used for exploration targeting. Experience with defining anatomies and evolutions of the porphyry systems, particularly their distal and deep features and their application in vectoring towards mineralization. Skills include, field methods, especially alteration mapping and interpretation of leached cappings, core logging, SWIR analysis in alteration studies, geochemistry, ore petrology, mineral chemistry and GIS. Extensive teaching experience both at the university level and as a technical instructor for mineral exploration industry emphasizing practical exercises with rock samples. Worked on ore deposits in the Andes, British Columbia, Alaska, and Tethyan belt. Was leader of several industry and Geoscience BC funded projects such as footprints of lode gold deposits, porphyry indicator minerals and Porphyry Fertility Projects and collaborated with the Porphyry Footprint and Western Tethyan Metallogeny Projects.

Skills

- Field methods, mapping and core logging
- Ore petrology and alteration mineralogical studies using petrography microscope, SEM and cathodoluminescence
- Mineral spectral analysis using Terraspec
- Geochemical, fluid inclusion, stable isotope and geochronological techniques for exploration
- Geomorphology and mineralogy of weathered outcrops and enriched/oxidized blankets
- Indicator minerals for exploration of covered deposits
- Data compilation and metallogenic interpretation
- Remote sensing and geographic information system

Languages

Fluent in English and Farsi (native)

Education

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| 1996-2003 | <p>Ph.D., Economic Geology, Queen's University at Kingston, Ontario, Canada.</p> <p>Thesis: Hypogene and supergene evolution of the Cerro Colorado porphyry copper (-molybdenum) deposit, I Región, Chile, 276 p.</p> <p>Supervisor: Dr. Alan H. Clark</p> |
| 1993-1995 | <p>M.Sc., Mineral Exploration, Queen's University at Kingston, Canada.</p> <p>Project: Cenozoic magmatism and potential for gold exploration in Iran, 141p.</p> <p>Supervisor: Dr. R. Mason</p> |

1985-1990 **B.Sc.**, Geology, Ferdowsi University of Mashhad, Iran.
Thesis: Mineral exploration potential of the Kashmar area, northeast Iran, 131p.
Supervisor: Dr. M.H. Karimpour

Professional Experience

2006-present **Research Associate**, MDRU, UBC. Responsible for leading several projects, obtaining funding for collaborative research projects and student supervision and teaching of field mapping courses and professional development courses to industry. Key projects: Footprints of lode gold deposit at Red Lake gold mines; Framework of the El Galeno and Hilorico Cu-Au-Mo system, northern Peru; Geology and geochronology of the Woodjam porphyry cluster, BC; Porphyry indicator minerals; Porphyry fertile plutons.

2003-2006 **Assistant Professor** in Economic Geology, School of Geology, University of Tehran, Iran. Responsible for teaching ore deposits, exploration geochemistry, remote sensing and field techniques for mineral exploration. Established master program in Economic Geology and directed research on porphyry copper and gold deposits in the Cenozoic orogenic belts of Iran.

1990-1993 **Exploration Geochemist**, Geological Survey of Iran, Was responsible for regional geochemical exploration using stream sediments and heavy minerals in Iran.

2000-present **Consulting**, various short term consulting jobs for exploration industry