## Personal Information

***First name:*** Mohammad ***Surname:*** Ghomi
***Date of Birth:*** 22th March 1976 ***Nationality***: Iranian
***Address for Correspondence:*** Engineering & Technical Faculty of Arak, Iran University of Science & Technology; Arak, Markazi Province, Iran

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## Education and Academic Degrees

- 2005-2007: **M.Sc.** of Mining Engineering - Exploration, Department of Mining Engineering, Yazd University, Yazd, Iran, http://www.yazduni.ac.ir

***M.Sc. Thesis:*** Environmental Geochemistry Survey of Tailing dam for the Purpose of Pollution in Zinc and Lead Mineral processing Plant in "Lakan" mine site

- 1995-1999: **B.Sc.** of Mining Engineering - Exploration, Department of Mining Engineering, Isfahan University of Technology (IUT), Isfahan, Iran, http://www.iut.ac.ir

***B.Sc. Thesis:*** Statistic and Geostatistic Analyzing of Exploration Data in "Goshfil" Mine ("Bama" mine, Isfahan, Iran)

## Work Experiences

- **Employments**
  - ✓ 2002-now: As an Instructor's University jointed to Iran University of Science and Technology- Arak Campus, Mining Department staff; Arak, Markazi Province, Iran
  - ✓ 2002-now: Management of Geo-science labs in Mining Department of Arak Campus; IUSTARAK
  - ✓ 2000-2005: Management of "Kavoshgaran" Company Ltd. – a consulter Company in Local Exploration Projects
  - ✓ 2005-now: Membership of Iranian Mining Engineering Organization (IMEO); www.ime.org.ir

- **Teaching Experiences Bachelor Engineering**
  - ✓ 2007-now: Mineralogy, Petrology, Geochemistry, Structural Geology, Economical Geology, Exploration Drilling, Application of Computer in Mining
  - ✓ 2002-now: Geo-science Labs include Ore-microscopy, Petrology, Mineralogy, Systematic Analyzing, Photo-geology & GIS Labs

- **Engineering Field Skills**
  - ✓ Geochemical Sampling (Lithological, Hydrochemical , Soil, Environmental)
  - ✓ Field Geological Mapping (Using GIS, RS, Satellite Images and GPS)
  - ✓ Supervising of Geotechnical and Exploration drilling

## Certificates

- Training certificate of $ION^3$ Potentiometric Stripping and multi-meter analyzer, "Parsfarasoo" Co., Tehran/Arak
- Training certificate of GIS application in mining environment, IUSTARAK, Arak
- Training certificate of Gemology, IUSTARAK, Arak
- HSE Course certificate
- Certificates of ErMapper & ILWIS Software Courses

## Honors

- Top graduated Student in B.Sc. of Mining Engineering from Isfahan University of Technology (IUT); Average : 14.79 / 20
- Top graduated Student in M.Sc. of Mining Engineering from Yazd University (Yazd uni.) Average: 17.79 / 20
- Elite researcher of Department in 2004-2005
- Designing a set of Mineralogy and optical Mineralogy media package for Educational purposes, 2004-2006
- Designing a collection of Microscopic atlas of petrology, 2006-2007

## Workshop Presentation

- An introduction to Mineralization and genesis of "Isfahan-Malayer" Metallogenic Belt (Lead, Zinc & Iron) Mar.2010, , Nov.2009, Payam-e-noor University/Arak Branch, (PNU)
- Mineralogical study of alteration zones of Gold bearing Iron oxide minerals using Geochemical Data, Kahak state, Qom Prov., Aug.2010
- Evaluating of Hydrogeochemical properties of ground water resources in Khomein State, Nov.2009, Payam-e-noor University/Arak Branch, (PNU)
- Environmental Geochemistry impacts due to mining activities in "Lakan" Lead-Zinc mine site, Sep.2007, IUSTARAK

## Research Interests

- Systematic Analyzing
- Ore-Geology (Field Studies, Sampling, Microscopic Studies, Laboratorial Activities)
- Simulating and modeling of ore bodies
- Evaluation and Interpretation of Exploration geology Data
- Mining and mineral processing environment aspects
- GIS & RS Mapping

## Publications & Papers

- ***M.Ghomi**, An introduction to Mineralization and genesis of "Isfahan-Malayer" Metallogenic Belt (Lead, Zinc & Iron); 18th congress of mineralogy & crystallography, Tabriz, Iran, 2010 (Persian)*
- ***M.Ghomi**, The importance of Soil and its application in Geochemical and environmental studies; "Yaghoot" Journal, Scientific Forum of mining Engineering,* IUSTARAK, *2010 (Persian)*
- ***M. Ghomi*** , A. Hajati, A. khodadadi Darban, *Assessing heavy metal contamination of lead-zinc tailing dam in the soil-sediments farm around of Lakan concentrator plant* (Under reviewing and Editing), Environmental Geology, *2009* (*English*)
- ***M.Ghomi***, A. Hajati**,** *The Significance of proper election of Soil sampling grid density in environmental-geochemical evaluation of mineral pollutions("Lakan" Tailing Dam, Khomein),3rd Specialized Congress and exhibition of environment Engineering, Tehran University, Tehran, Iran, 2009*. (Persian)
- ***M.Ghomi***, A. Hajati, *Determination Zoning of Pollution of "Lakan" Tailing Dam By Environmental Evaluation of Soil & Water resources using GIS; 3rd Specialized Congress and exhibition of environment Engineering, Tehran University, Tehran, Iran, 2009*. (Persian)
- ***M. Ghomi*** , A. Hajati**,** H. Atapour, B. Abrah., *The study of pollution rate effect of dam tailing on surface and underground waters by GIS- Case study: Lakan factory*, The Second Conference and Exhibition of Environmental Engineering, Tehran University, *2008* (Persian)
- ***M. Ghomi***, A.Hajati**,** A.Khodadadi., *Impact ability of soil levels under the Lakan factory dam tailing to prevention of lead solution into underground waters area*, 5th Iranian Conference on Engineering Geology and Environment, Tehran, Iran, *2008* (Persian)

## Reports and Industrial Projects

- Exploration and Exploitation plants Supervised by Iranian Mining Engineering Organization (Meatallic & Non-Metallic Deposits):
  - ✓ "Tamburli" Lead & Zinc Mine (Stratiform Type), Shazand, Arak, Iran
  - ✓ "Farmahin" Iron Mine (Volcanogenic Type), Farmahin, Arak, Iran
  - ✓ "Lakan" Lead & Zinc Mine - a part of "Emarat" Mine (Stratiform Type), Shazand, Arak , Iran
  - ✓ "Shams Abad" Iron Mine (Hydrothermal Type),Shazand, Arak, Iran
  - ✓ "Qom Kahak" Copper & Gold Mine (Porphyry Type), Qom, Iran
  - ✓ Non-Metallic Deposits in northern Teritorries of Markazi Prov. (Silica, Kaolinite, Barite, Bentonite, Feldspar, Sodium Sulfate, Building Rocks and etc.)

## Language

**Persian**: Native language
**English**: Fluent in speaking, proficient in reading, and good at writing
**French**: Poor
**Arabic**: Good

## References

- **A/Prof. Mohammad Reza Hossein Nejad**

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- **A/Prof. Ahmad Khodadadi Darban**

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- **A/Prof. Fereidon Ghadimi Arusmahale**

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