***Majid Lotfalian***

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| **Curriculum Vitae** | Name: Majid | Surname: Lotfalian |
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| | Date of Birth: 23/09/ 1984 | Place of Birth: Fars, Iran |
| | Nationality: Iranian | Sex: Male |
| | Marital Status: married | |
| Mailing Address: **Department of Metals, Institute of Science and High Technology and Environmental Science, Graduate University of Advanced Technology, Kerman, Iran.** | | |

## Research of interest

1. Leaching and Bio-leaching of Copper bearing minerals.
2. Heap and bio-heap leaching design and operation.
3. Agitated leaching and bioleaching of copper minerals.
4. Electrochemistry in leaching operations.
5. Solvent extraction circuit design
6. Optimization of copper solvent extraction (Crud and contamination management, mass transfer, …)

## Education

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| 2002-2006: | | |
| Yazd University | Yazd, Iran | B.Sc. (Mining engineering) |
| 2006-2008: | | |
| Shahid bahonar University | Kerman, Iran | M.Sc. (Minerals processing) |
| 2010-2014: | | |
| Shahid bahonar University | Kerman, Iran | PhD (Minerals processing) |

2015 to date:
As an assistant Prof. in Department of Metals, Institute of Science and High Technology and Environmental Science, Graduate University of Advanced Technology, Kerman, Iran.

## *Publication*

1. M. Lotfalian, M. Schaffie, E. Darezereshki, Z. Manafi and M. Ranjbar. "Column Bioleaching of Low-Grade Chalcopyritic Ore Using Moderate Thermophile Bacteria". Geomicrobiology Journal 29:697–703, 2012.

2. M. Lotfalian, M. Ranjbar, M. H. Fazaelipoor, M. schaffie, Z. Manafi. "Continuous Bioleaching of Chalcopyritic Concentrate at High Pulp Density". Geomicrobiology Journal 32: 42–49, 2015.

3. M. Lotfalian, M. Ranjbar, M. H. Fazaelipoor, M. schaffie, Z. Manafi. "The Effect of Redox Controlling on Continuous Bioleaching of Chalcopyrite Concentrate". Minerals Engineering 81: 52–57, 2015.

4. M. Lotfalian, M. Ranjbar, M. H. Fazaelipoor, M. Schaffie and Z. Manafi. " Increasing the recovery of copper from a chalcopyrite concentrate in bioleaching by electrochemical controlling of the redox potential on a continuous scale". Journal of separation science and engineering 7(1): 35-43, 2015.

5. E. Darezereshki1, M. Schaffie, M. Lotfalian, S.A. Seiedbaghery, and M. Ranjbar." Use of mesophilic and thermophilic bacteria for the improvement of copper extraction from a low-grade ore". International Journal of Minerals, Metallurgy and Materials ,Volume 18, Number 2, April 2011, Page 06.

6. M. Lotfalian, M. Ranjbar, M. Schaffie, E. Darezereshki, Z. Manafi and S. A. Seyedbagheri. "Bioleaching of low-grade chalcopyritice ore using thermophile bacteria". Journal of separation science and engineering 1(1): 57-65, 2009.

7. E. Darezereshki, M. Schaffei, Z. Manafi and M. Lotfalian. "Optimization of copper recovery from Sarcheshmeh low grade ores by bacterial leaching". Journal of separation science and engineering 1(2): 15-31, 2009.

## *Projects*

1. A feasibility study of Copper extraction from Sarcheshmeh chalcopyritic ore by bioleaching, Sarcheshmeh Copper Complex, 2008.

2. Non-ferrous metal extraction from mineral resources using advanced hydrometallurgical

technique, Shahid Bahonar university, 2011.

3. ZnO nanoparticle fabrication from electric arc furnace dust (EAFD), Iran National Science Foundation, 2012.

4. Design, construction and operation of Bio-heap leaching for Sarcheshmeh chalcopyritic ore at pilot scale, Sarcheshmeh Copper Complex, 2014.

5. Design of continuous system and optimization of operating parameters for electro-bioleaching of copper from Chalcopyritic concentrate, Sarcheshmeh Copper Complex, 2014.

6. Hydrometallurgical and Bio-hydrometallurgical copper extraction from Miduk copper smelter dust, Shahr-e-babak Copper Complex, 2014.

7. Design and modification of feed preparation and filtration sub-process of Miduk dust leaching plant, Shahr-e-babak Copper Complex, 2016.