

Name: Mir Mehdi Zekavat
Email: mirmehdizekavat@gmail.com



Education

BSc.

University: Sharif University of Technology
Major: Material Science and Engineering
Thesis: Pressure Leaching of Chalcopyrite In H_2SO_4 Solution: Optimization and Kinetic Study
Supervisor: Prof. Hossein Yoozbashizedeh

Msc.

University: Sharif University of Technology
Major: Material Science and Engineering (Extractive Metallurgy)
Thesis: Extraction of Antimony From Stibnite Ore Using The Hydrometallurgical Process
Supervisors: : Prof. Hossein Yoozbashizedeh

PhD

University: Institute for Nanoscience and Nanotechnology (INST), Sharif University of Technology
Major: Nano Science and Technology

Research Experience:

Hydrometallurgy:

Leaching

Solvent Extraction

Electrowinning

Sol-gel Synthesis

Publications:

- Zekavat, M., Yoozbashizadeh, H., & Khodaei, A. (2021). Leaching of Antimony from Stibnite Ore in KOH Solution for Sodium Pyroantimonate Production: Systematic Optimization and Kinetic Study. *JOM*, 73(3), 903-912.
- Azarniya, A., Soltaninejad, M., Zekavat, M., Bakhshandeh, F., Hosseini, H. R. M., Amutha, C., & Ramakrishna, S. (2020). Application of nanostructured aluminium titanate (Al_2TiO_5) photocatalyst for removal of organic pollutants from water: Influencing factors and kinetic study. *Materials Chemistry and Physics*, 256, 123740.
- Azarniya, A., Zekavat, M., Soltaninejad, M., Bakhshandeh, F., Hosseini, H. R. M., Kashani, S., ... & Ramakrishna, S. (2020). Preparation of nitrogen-doped aluminium titanate (Al_2TiO_5)

nanostructures: application to removal of organic pollutants from aqueous media. *Advanced Powder Technology*, 31(8), 3328-3341.