

Mohsen Taheri

Taheri@uk.ac.ir



Assistant Professor

**Mining engineering-
Exploitation**

Ph.D. in Mining engineering- Exploitation, Amirkabir University, Iran (1989)

M.Sc. in Mining engineering- Exploitation, Amirkabir University, Iran (1991)

B.Sc. in Mining engineering- Exploitation, Tehran University, Iran, (2010)

Technical fields of study	Feasibility study, Open pit mining, Mine Transportation
Research interests	Feasibility study under risk, Open pit mine planning & design, Mine transport optimizing, Multi attribute decision making (MADM)
Courses taught (undergraduate)	Open pit mining, Mine Transportation, Mine design
Courses taught (graduate)	M.Sc: Technical and economic study of mines, Advanced open pit mine planning & design. Ph.D: Optimization techniques in mines
Positions/ Experiences	Project engineer, Kavoshgaran Consulting Engineers. 1989-1990 Project engineer, Iranian National Steel Company, 1990-1991
Advised thesis	Majid Ghiasi, 2014, <i>Economic Study of the Effects of Rock Fragmentation on Mining Production Costs ,Case study: Gole-e-Gohar iron ore Mine No.1,</i>
Books	Taheri, Mohsen, 2012, Belt conveyor (Construction, Design & Calculations) , Shahid Bahonar University of Kerman, 340p.
Journal	<ul style="list-style-type: none">• Taheri M, Osanloo M, (1994) <i>The Design of Mouteh Gold Deposit of Iran, Journal of Mines -Metals and Feul India</i> Vol XL II No. 10 PP. 227-230.• Taheri M.,Ataee-pour M.,Irannajad M, (2008). <i>Selection of Tailings Site of Gol-E-Gohar Iron Ore Processing Plant Using the MADM Method.</i> The International Journal of Mineral Resources Engineering, Ankara, <u>Turkey</u>, 13(2), pp. 73-84.• Taheri M.,Irannajad M.,Ataee-poor M., (2009). <i>Risk-Adjusted Discount Rate (RADR) Estimation for Mining Projects Evaluation.</i> Jassa-The Finsia Journal of Applied Finance, <u>Australia</u>, Issue 4, pp. 36-42 .• Taheri M. ,Ataee-pour M.,Irannajad M., (2010). <i>Estimating the discount rate for projects of a mining complex</i> Int. J. Mining and Mineral Engineering, <u>Turkey</u>, 2(4), pp. 277-289.• Taheri M.,Irannajad M.,Ataee-poor M., (2011). <i>Estimation of the Cost of Equity for Mining and Cement Industries by Single-index Market Model,</i> Mineral Resources Management, <u>Poland</u>.• Taheri M. ,Ataee-pour M.,Irannajad M., (2010). <i>Valuation of mining projects using</i>

	<p><i>real options techniques Part I (in Farsi)</i>, Journal of Iranian Min. Eng. Org..</p> <ul style="list-style-type: none"> • Taheri M. ,Ataee-pour M.,Irannajad M., (2010). <i>Valuation of mining projects using real options techniques Part I,(in Farsi)</i> Journal of Iranian Min. Eng. Org.. • Ghiasi M.,Taheri M.,Shamsaddini H., Poorzamani, E.,(2015), <i>Prediction of boulders due to blasting by multivariate regression – Case study: Gol-e-Gohar iron mine(in Fari)</i>.Journal of Geotechnical Geology, 10(2), pp. 122-127
<p>Conference proceedings</p>	<ul style="list-style-type: none"> • Taheri M. ,2001, <i>Application of Semi-continuous haulage in Marl Mine, Kerman Cement company</i>, 1st Iranian open pit mines conference, Kerman, Iran. • Taheri M. ,2004, <i>In-pit Crushing and Conveying vs. truck haulage (in Farsi)</i>,Cement International Conference,Tehran, Iran. • Taheri M.,Ataee-pour M.,Irannajad M. , (2008). <i>Selection of Tailings Site of Gol-e-Gohar Iron Ore Processing Plant Using the Modified TOPSIS Method</i>, Proceedings of XXIV International Mineral Processing Congress (IMPC), Beijing China, pp. 4138-4145. • Taheri M.,Irannajad M.,Ataee-pour M., (2009). <i>An Approach to Determine the Locations of In-pit Crushers in Deep Open-pit Mines</i>, Proceedings of 9th International Multidisciplinary Scientific Geoconference (SGEM) Sofia Bulgaria, pp. 341-347. • Taheri M.,Irannajad M.,Ataee-pour M., (2010). <i>Estimating the Discount Rate for Mining Projects of Gol-E-Gohar Mining Complex</i>, International Mining Congress & Expo, Iran . • Taheri M.,Irannajad M.,Ataee-pour M., (2010), <i>Application of Cost of Capital and Capital Asset Pricing Model (CAPM) in Iranian Mining Companies</i>, International Mining Congress & Expo, Iran. • Taheri M.,Irannajad M.,Ataee-pour M., (2011), <i>Estimation of Cost of Capital for the Mining Projects of Iran Copper Industry(in Farsi)</i>, National Copper Congress, Tehran, Iran. • Afzali Naniz A. Taheri M. (2013) <i>Mineral Sales Engineering:A Joint between Mining Science and Business(in Farsi)</i>. 1st International Conference on Mining, Mineral Processing, Metallurgical and Environmental Engineering(ICME), Zanjan, Iran. • Afzali Naniz A. Taheri M. (2013) <i>Role of Award on Effectiveness of Mineral Pricing (in Farsi)</i>, 2nd International Conference on Management, Entrepreneurship and Economic Development,Qom, Iran. • Afzali Naniz A. Taheri M. (2013) <i>Improvement of Mineral Sales Strategies by Mineral Sales Engineering and Marketing Mix (in Farsi)</i>, 2nd International Conference on Management, Entrepreneurship and Economic Development,Qom, Iran. • Afzali Naniz A. Taheri M. (2013) <i>Differences between Iranian and Global Mineral Pricing Strategies. Case Study: Iron Ore(in Farsi)</i>, 10th International Conference on Strategic Management,Tehran, Iran. • Ghiasi M.,Taheri M.,Shamsaddini H., Poorzamani, E. (2013) <i>Investigating the Drill Bits Used in Gol-e-Gohar Iron Ore Mine</i>, International Conference on Civil Engineering Architecture & Urban Sustainable Development, November 2013, Tabriz , Iran • Ghiasi M.,Taheri M.,Jahani M., Poorzamani, E. (2013) <i>Validating and Calibrating Goldsize Digital Image Software for Size Distribution of Blasted Rock in Gol-e Gohar</i>

Mine No.1, International Conference on Civil Engineering Architecture & Urban Sustainable Development, November 2013, Tabriz , Iran

- Ghiasi M., Taheri M., Poorzamani, E. (2013) *Prediction of Blasted Rock Fragmentation by Neural Network in Gol-e Gohar Mine No.1*, International Conference on Civil Engineering Architecture & Urban Sustainable Development, November 2013, Tabriz , Iran.
- Firoozabadi M.; Taheri M.(2015) *Economic Evaluation of Gol-e-Gohar Mine No.4 under Price and Cost Uncertainty*, National Congress of Iron & Steel Industries, Zarand, Iran.
- Sarhadi, E., Taheri Moghadder, M.(2015) *Economic evaluation in condition of price uncertainty by using Real options Case Study: Cheshmeh Rezai mine*, 3rd Iranian Open Pit Mines Conference, Kerman, Iran.
- Ebrahim Movvahed, E., Taheri Moghadder, M., Safari, M. (2015) *Daralu Tailing Dam Site Selection Using the VIKOR Method*, 3rd Iranian Open Pit Mines Conference
- Safari, M.; Taheri Moghadder, M., (2015) *Methods of predicting the mine production rate under economic parameters uncertainty*, International Conference On Research, Science And Technology, Kualalumpur, Malaysia.
- Safari, M.; Taheri Moghadder, M., (2015) *Economic analysis of Dohesaran bentonite mine under price and cost uncertainty by @Risk software*, International Conference On Research, Science And Technology, Kualalumpur, Malaysia.
- Safari, M.; Taheri Moghadder, M.; Taheri, M. (2015) *Economic analysis of Dohesaran bentonite mine by Bayesian probability tree decision theory*, 1st International Conference on Mining, Metals & Materials, Tehran, Iran.
- Safari, M.; Taheri Moghadder, M.; Taheri, M. (2015) *Economic analysis of Fadshk marble mine under price and cost uncertainty by @Risk software*, 1st International Conference on Mining, Metals & Materials, Tehran, Iran.
- Safari, M.; Taheri Moghadder, M., (2016) *Site selection of underground petroleum storage in Mahdasht by FTopsis*, 3rd Conference on Oil & Gas Storage Tanks, Tehran, Iran.
- Safari, M.; Taheri Moghadder, M.; Rajabi, M. (2016) *Underground Natural Gas Storage Site Selection in South Khorasan Using FAHP*, 3rd Conference on Oil & Gas Storage Tanks, Tehran, Iran.
- Safari, M.; Taheri Moghadder, M. (2016); *Mathematical and dynamic models for determining the production rate of mines*, 2nd National Conference of Geology and Exploration of Resources, Shiraz, Iran.
- Safari, M.; Taheri Moghadder, M. (2016); *Study the models for determining the production rate of mines under metal price uncertainty considering the economic characteristics*, 2nd National Conference of Geology and Exploration of Resources, Shiraz, Iran.
- Safari, M.; Taheri Moghadder, M.; Taheri, M. (2016); *Underground Oil Storage Site Selection in Mahdasht Using ELECTRE*, The 1st National Conference on Optimization and Decision Science, Babolsar, Iran.
- Safari, M.; Taheri Moghadder, M.; Taheri, M. (2016); *Underground Natural Gas Storage Site Selection in Mahdasht Using VIKOR*, The 1st National Conference on Optimization and Decision Science, Babolsar, Iran.