

## Curriculum Vitae (CV)

Name: Masoud

Surname: Monjezi

Native place: Abadan, Iran

Date of Birth: 1963

Qualifications:

- Ph.D. in Mining Engineering, Banaras Hindu University, India, 2001.
- Mater of Technology, in Mining Engineering, Tehran University, Iran, 1992.
- Bachelor of Technology, in Mining Engineering, Tehran University, Iran, 1988.

## Conference papers

- 1- Singh.T.N & Monjezi, M., 2003, Abrasivity of some Indian rocks- an experimental approach, First mine drilling conference, Bafgh, Iran.
- 2- Monjezi, M., Singh.T.N., Pandey, A. & Surab, P. 2003, Geo-mechanical modeling for optimization of rock slope in an open cast coal mine, Fifth International conference on case histories in geotechnical engineering.
- 3- Singh.T.N, Monjezi, M., Kanchan, R, Saigal, K. & Verma, A. K., 2004, Adaptive neuro-fuzzy model base prediction of fracture toughness of rock, Fifth Iranian conference on fuzzy systems.
- 4- Monjezi, M., Heidari, M., Rezakhah, M. & Torabi Masoumi, A., 2004, Designing of overall slope of Songun copper mine, 1st Mining Engineering Conf. 83, Tehran, Iran.
- 5- Monjezi, M., Sayadi, A. R. & Ziaei, J. 2004, Feasibility of application of combined Anfo-Dynamite charge in tunnel blasting, 23rd geosciences Conf., Tehran, Iran.
- 6- Monjezi, M., Sayadi, A. R. & Ziaeinejad, R. 2004, Determination of excavation and advancing of big cross section tunnels in drilling and blasting method, 2004, 1st Mining Engineering Conf. 83, Tehran, Iran.

- 7- Monjezi, M., Goshtasbi, K. & Rezakhah, M. 2005, Development of a mathematical formula for determining Songun copper mine wall slope, 24th geosciences Conf., Tehran, Iran.
- 8- Monjezi, M., Hesami, M. & Dehghani, H., 2005, Simulation of ground vibration due to blasting in Sarcheshmeh copper mine using neural networks, 24th geosciences Conf., Tehran, Iran.
- 9- Monjezi, M. & Arablu, B., 2005, The role of fluid pressure in creating induced fractures in Ahwaz field oil wells, 24th geosciences Conf., Tehran, Iran.
- 10- Monjezi, M., Sayadi, A. R., Eskandar Ashour, A. & Seddighian, M., 2005, Designing of Sechahun mine pit limit-anomaly XI, using NPV Scheduler, 2005, 24th geosciences Conf., Tehran, Iran.
- 11- Arablu, B., Monjezi, M. & Kaveh Ahangaran, D. 2006, Determination of critical location points gripped drilling string in inclined oil wells of south west of Iran, 1st petroleum engineering Conf., Tehran, Iran.
- 12- Monjezi, M., Hesami, M. & Bashiri, M., 2006, The role of strategic management of change and programming in development and productivity improvement, Congress on development resolutions and performance directions of country salt research center, Garmsar, Iran.
- 13- Monjezi, M. & Dehghan Janabadi, H., 2006, Determination of proper blasting pattern to reduce fly rock using multi criteria decision making method, TOPSIS, 25th geosciences Conf., Tehran, Iran.
- 14- Monjezi, M., Ghazvinian, A., Abdollahi, A. R. & Akhavan, O., 2006, Designing of Sorkheh salt mine for reducing oversize rocks, 25th geosciences Conf., Tehran, Iran.
- 15- Monjezi, M., Sayadi, A. R. & Seddighian, M., 2006, Evaluation of Mishdovan iron ore deposit, 25th geosciences Conf., Tehran, Iran.
- 16- Monjezi, M., Goshtasbi, K. & Akhavan, O., 2006, Modeling and reserve evaluation of Golbini block#7 of Jajarm bauxite mine using geo-statistics method, 25th geosciences Conf., Tehran, Iran.
- 17- Monjezi, M., Goshtasbi, K. & Akhavan, O., 2006, Determination of Golbini block#7 of Jajarm bauxite mine pit limit, 25th geosciences Conf., Tehran, Iran.
- 18- Sayadi, A. R. , Monjezi, M. & Shahrabadi, H., 2006, Esphordi phosphate deposit evaluation using DATAMINE, 25th geosciences Conf., Tehran, Iran.
- 19- Sayadi, A. R. , Monjezi, M. & Shahrabadi, H., 2006, Esphordi phosphate deposit evaluation using neural networks, 25th geosciences Conf., Tehran, Iran.
- 20- Monjezi, M., Dehghan Janabadi, H & Samiminamin, F., 2007. Environmental effects evaluation of open pit mine 32nd conference of safety in mines institutes, Beijing, China.
- 21- Monjezi, M., Rezaei, M., Nezamabadi, H. & Sharifi, S., 2007, Determination of Uni-axial Compressive Strength (UCS) using neural networks and multi variable regression analysis, 26th geosciences Conf., Tehran, Iran.
- 22- Amini Khoshalan, H., Monjezi, M. & Bahrami, A., 2007, Processing of Feldspar for using in tile and ceramic industry, 26th geosciences Conf., Tehran, Iran.
- 23- Monjezi, M., Dehghani, M. H. & Dehghani, H., 2007, Optimization of blasting pattern of Chadormalu iron mine using neural networks, 26th geosciences Conf., Tehran, Iran.
- 24- Monjezi, M., Torabi, R. & Rezaei Kakhki, M., 2007, Determination of pit limit and optimum mine planning of Gole-E-Gohar iron mine # 2, 26th geosciences Conf., Tehran, Iran.
- 25- Monjezi, M., Goshtasbi, K., Jazayeri Farsani, A. R. & Dehghani, H., 2007, Development of a mathematical model to calculate burden using a proposed rock mass classification, 26th geosciences Conf., Tehran, Iran.
- 26- Hesami, M., Monjezi, M. & Dehghani, H., 2008, Pillar Stress Prediction in Bord and Pillar Method Using Artificial Neural Networks, 21th world mining congress, Krakow, Poland.

27- Jayanthu, S., Rao, V. R., Laxmainarayana, V. & Monjezi, M. 2008, Mine Accidents Due to Strata Control Problems Vis-A-Viz Geotechnical Investigations, ISRM International Symposium, Tehran, Iran.

### Research papers

- 1- Design and implementation of an information system for world mineral commodity market, Journal of Mines, Metals and Fuels, 2005
- 2- Modeling and Preliminary resource estimation of the Cheshmeh Zard gold deposit, Journal of Mines, Metals and Fuels, 2005
- 3- An Instability Prediction of Waste Dump in an Open Cast Mine, Mining Engineers Journal, 2006
- 4- prediction and analysis of blast parameters using artificial neural network, Noise and vibration worldwide, 2006
- 5- Use of Back Propagation Neural Network to Estimate Burden in Tunnel Blasting, Journal of Mines, Metals and Fuels, 2006
- 6- Evolution of a Mathematical Model for Determination of Burden in Blasting Operations, Journal of Mines, Metals and Fuels, 2006
- 7- Influence of Initiation Mode of Explosives in Opencast Blasting on Ground Vibration, Mining Technology, Maney Publishing, 2007
- 8- Economic evaluation and risk analysis of Songun copper mine, Iranian Mining Engineering Journal, 2007
- 9- Designing of stable slopes of Songun copper mine, Iranian Mining Engineering Journal, 2007
- 10- Stability analysis of dump slope of a surface mine, Mining Engineers Journal, 2008
- 11- Evaluation of Effect of Blasting Pattern Parameters on Back Break Using Neural Networks, International Journal of Rock mechanics and mining sciences, 2008
- 12- Environmental Impact Assessment of Open Pit Mining of Iran, Environmental Geology, 2008
- 13- Geochemical Modeling of Cyanide in Tailing dam Gold Processing Plant, Environmental Geology, 2008
- 14- Controlled Blasting Operation for New Road Formation Cutting in Difficult Hilly Terrain, Mining Engineers Journal, 2009
- 15- Prediction of Rock Fragmentation Due to Blasting in Gol-E-Gohar Iron Mine Using Fuzzy Logic, International Journal of Rock mechanics and mining sciences, in press.
- 16- Determination of Effective Parameters on Fragmentation Using Artificial Neural Networks, Journal of Mines, Metals and Fuels, In Press, 2009

### Supervisor

- 1- Reza Ziaeinejad, Designing of excavation and advancing of big cross section tunnels in drilling and blasting method.
- 2- Saeid Gorbani, Selection of drilling blasting pattern in the open pit mines on the basis of geo-mechanical parameters of rocks.
- 3- Mojtaba Rezakhoh, Designing of stable slopes of Songun copper mine.
- 4- Ali Lotfi, Evaluation of effective blasting parameters on fragmentation in Songun copper mine using fuzzy logic.
- 5- Mojtaba Seddighian, Designing of Mishdovan open pit iron mine.
- 6- Omid Akhavan Taraf, Modeling and reserve evaluation of Golbini block#7 of Jajarm bauxite mine.

- 7- Masoud Hesami, Optimization of tunnel drilling-blasting in limestone rocks using neural networks.
- 8- Hesam Dehghani, Designing of blasting pattern in Gole-E-Gohar iron mine using neural networks.
- 9- Alireza Jazayeri Farsani, Designing of Esphordi phosphate mine blasting pattern using rock mass classification.
- 10- Mohsen Rezaei Khakhki, Optimization and mine planning of Gole-E-Gohar iron mine # 2, using Whittle & NPV Scheduler.
- 11- Amirhossein Mehrdanesh, Optimization of blasting in open pit copper mines using artificial neural networks.
- 12- Mohammad Rezaei, Designing of blasting pattern of Gole-E-Gohar iron mine using fuzzy logic.
- 13- Amir Bahrmi, Designing of blasting pattern of Sangan iron mine using artificial neural networks.

### Co-supervisor

- 1- Pouria Tourgoli, Evaluation of excavation machine performance of north-south direction of Isfahan metro considering geo-mechanical characteristics.
- 2- Mehdi Vahidi, Economic evaluation and risk analysis of Songun copper mine.
- 3- Masoud Karimi, Stability analysis and support designing of Karaj water transfer tunnel ventilation shafts.
- 4- Hossein Shahrjadi, Reserve evaluation and mine designing of Esphordi phosphate mine from sea level of 1720.
- 5- Behnam Panahbar, Comparison of 2D and 3D methods in stability analysis of rock slopes.

### Professional Experience

Head, mine exploitation group  
environmental geology reviewer  
international journal of rock mechanics & mining sciences reviewer

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