



## Abbas Aghajani Bazzazi

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College: Faculty of Engineering

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### Education

Degree	Graduated in	Major	University
BSc	2003	Mining Engineering	Amirkabir University of Technology
MSc	2005	Mining Engineering	Shahid Bahonar University of Kerman
Ph.D	2010	Mining Engineering	Amirkabir University of Technology

### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	Tenure Track	Full Time	9

### Papers in Conferences

1. M. Golestanifar , A. Aghajani bazzazi , S Behzania ,Application of Sulphate-Reducing Bacteria (SRB) in acid mine drainage bioremediation ,1st INTERNATIONAL CONFERENCE on MANAGING THE SOCIAL AND ENVIRONMENTAL CONSEQUENCES OF COAL MINING IN INDIA ,pp. 473-483 ,New Delhi, India ,2007.
2. A. Aghajani Bazazi ,& M. Osanloo ,APPLICATION OF AHP-TOPSIS METHOD FOR LOADING-HAULAGE EQUIPMENT SELECTION IN OPEN PIT MINES ,XXVII CONVENCION INTERNACIONAL DE MINERIA ,pp. 12-16 ,Veracruz- Mexico ,2007.
3. A Aghajani , M Osanloo , M Akbarpour ,Optimising the Loading System of Gol-e-Gohar Iron Ore Mine of Iran by Genetic Algorithm ,Iron Ore Conference ,perth, Australia ,2007.
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5. A.Aghajani Bazzazi , H.mansouri , M.A.Ebrahimi , A. Atash Panjeh ,Application of Controlled Blasting (Pre-splitting) Using Large Diameter holes in Sarcheshmeh Copper Mine ,8th International Symposium on Rock Fragmentation by Blasting ,pp. 1-11 ,Santiago, Chile ,2006.
6. Bahaaddini , Jalali Far , Aghajani Bazzazi. ,The optimum rock bolt support system selection by using AHP method ,سومین کنفرانس مهندسی معدن, یزد, 1388, pp. 1589-1594.

7. M Taheri ,& A Aghajani Bazzazi ,Reliability Analysis of Loader Equipment: A Case Study of a Galcheshmeh Travertine Quarry in Iran ,International Black Sea Mining & Tunnelling Symposium ,pp. 327-335 ,Trabzon ,2016.
8. MR Mofidi , A Aghajani Bazzazi , N Karim ,Optimization of Final Pit Limit with Regard to Effect of Commodity Price (Case Study: Se-Chahun Iron Ore Mine, Iran) ,International Black Sea Mining & Tunnelling Symposium ,pp. 319-326 ,Trabzon ,2016.
9. M Moghaddasi , A Aghajani bazzazi , A Aalianvari ,Prediction of Groundwater Inflow Rate Using Non-Linear Multiple Regression and ANFIS Models: A Case Study of Amirkabir Tunnel in Iran ,International Black Sea Mining & Tunnelling Symposium ,pp. 134-141 ,Trabzon ,2016.
10. عباس آقاچانی بزازی، مریم شاپوری، محمد پیشرو، کاربرد شاخص های آلودگی برای ارزیابی آلودگی فلزات سنگین در خاک های پیرامون معدن شن و ماسه هاشمک، سومین کنفرانس معدنکاری و صنایع معدنی سبز ایران، ۱ - زنجان، ۲۰۲۳، ۱۰
- ۱۱ .

## Papers in Journals

1. Hojat Nouri , Ali Aalianvari , Abbas Aghajani Bazzazi, Optimizing Grouting Techniques for Controlling Water Seepage, Using Rain Optimization Technique, Iranian Journal of Science and Technology, Transactions of Civil Engineering, Vol. 48, pp. 1627-1640, 2024 06 01.
2. Sirvan Moradi , Ali Aalianvari , Abbas Aghajani Bazzazi, Evaluating RBM performance considering the geometric parameters of the raise borer machine and the geomechanical properties of the rock, Iranian Journal of Earth Sciences, pp. 40-48, 2024 4 27.
3. Financial risk management prediction of mining and industrial projects using combination of artificial intelligence and simulation methods, Journal of Mining and Environment, Vol. 13, pp. 1211-1223, 2022 09 01.
4. Selection of suitable plant species for Sungun copper mine reclamation by multiple attribute decision making methods (AHP-SMARTER-TOPSIS). Environmental Sciences. - شماره صفحات ۱۸۵-۲۰، مجلد ۲۰، شماره ۰۶ ۱۹۸، ۲۰۲۲.
5. ارائه مدل برنامه ریزی ریاضی عدد صحیح برای مسئله زمان بندی استخراج در معادن روباز تحت شرایط عدم قطعیت. عیار و حل آن با استفاده از الگوریتم کرم شبتاب، نشریه مهندسی معدن، مجلد ۵۲، شماره صفحات ۲۴-۴۰، ۱۴۰۰.
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7. بهینه سازی مدل برنامه ریزی تولید بلند مدت با در نظر گرفتن عدم قطعیت عیار با روش آزادسازی لاگرانژی-الگوریتم. خفاش، روش های تحلیلی و عددی در مهندسی معدن، مجلد ۱۰، شماره صفحات ۱۳-۲۶، ۱۳۹۹.
8. A comprehensive study of several meta-heuristic algorithms for open-pit mine production scheduling problem considering grade uncertainty, Journal of Mining and Environment, Vol. 11, pp. 721-736, 2020.
9. Mohammad Reza Ahmadi , & Abbas Aghajani Bazzazi, Application of meta-heuristic optimization algorithm to determine the optimal cutoff grade of open pit mines, Arabian Journal of Geosciences, Vol. 13, pp. 1-12, 2020.
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13. H Bakhshandeh Amnieh , M Hakimiyani Bidgoli , H Mokhtari , A Aghajani Bazzazi, Application of simulated annealing for optimization of blasting costs due to air overpressure constraints in open-pit mines, Journal of Mining and Environment, Vol. 10, pp. 903-916, 2019.
14. Mohammad Reza Ahmadi , & Abbas Aghajani Bazzazi, Cutoff grades optimization in open pit mines

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15. Hojatollah Khedrigharibvand et al.,Sustainable rangeland management in southwest Iran: application of the AHP-TOPSIS approach in ranking livelihood alternatives,The Rangeland Journal,Vol. 40,pp. 603-614,2018.
16. Sh Alizadeh , MM Salari Rad , A Agahjani Bazzazi,Alunite processing method selection using the AHP and TOPSIS approaches under fuzzy environment,International Journal of Mining Science and Technology,Vol. 26,No. 6,pp. 1017-1023,2016.
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21. A Nazari , MM Salarirad , A Aghajani Bazzazi,Landfill site selection by decision-making tools based on fuzzy multi-attribute decision-making method,Environmental Earth Sciences,Vol. 65,No. 6,pp. 1631–1642,2012.
22. M Esmaeili , A Aghajani Bazzazi , S Borna,Reliability analysis of a fleet of loaders in Sangan iron mine,Archives of Mining Sciences,Vol. 56,No. 4,pp. 629-640,2011.
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24. A. AGHAJANI BAZZAZI , M. OSANLOO , H. SOLTANMOHAMMADI,Loading-haulage equipment selection in open pit mines based on fuzzy-TOPSIS method,GOSPODARKA SUROWCAMI MINERALNYMI,pp. 87-102,2008.