



## Majid Noriyan Bidgoli

Associate Professor

College: Faculty of Engineering

Department: Mining Engineering

### Education

Degree	Graduated in	Major	University
BSc	2000	Mining Engineering (Mine Exploitation)	University of Yazd
MSc	2003	Mining Engineering (Mine Exploitation-Tunneling)	Shahid Bahonar University of Kerman
Doctoral	2014	Mining Engineering (Rock Mechanics)	KTH (Sweden)

### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	Tenured	Full Time	(not set)

### Papers in Journals

1. Reza Pouryani, Ali Alianvari, Majid Noorian ,& Bidgoli,Control of settlement affected excavation by TBM-EPB with ADECO-RS approach in urban area using numerical analysis – A case study: Qom subway Line A,Tunneling and Underground Space Engineering,2020.
2. Mohammad Reza Moghaddasi, Majid Noorian ,& Bidgoli,ICA-ANN, ANN and multiple regression models for prediction of surface settlement caused by tunneling,Tunnelling and Underground Space Journal,2018,ISI ,SCOPUS ,ISC.
3. Mahdi Hasanipanah, Majid Noorian ,& Bidgoli, Danial Jahed Armaghani, Hossein Khamesi,Feasibility of PSO-ANN model for predicting surface settlement caused by tunneling,Engineering with Computers Journal,2016,ISI ,SCOPUS ,ISC.
4. Majid ,& Noorian Bidgoli, Lanru Jing,Stochastic analysis of strength and deformability of fractured rocks using multi-fracture system realizations,International Journal of Rock Mechanics and Mining Sciences,2015,ISI ,SCOPUS ,ISC.
5. Majid ,& Noorian Bidgoli, Lanru Jing,Water pressure effects on strength and deformability of fractured rocks under low confining pressures,Rock Mechanics and Rock Engineering Journal,2015,ISI ,SCOPUS ,ISC.

6. Majid Noorian ,& Bidgoli, Lanru Jing, Anisotropy of strength and deformability of fractured rocks, Journal of Rock Mechanics and Geotechnical Engineering, 2014, ISI ,SCOPUS ,ISC.
7. محسن آل بویه، علی عالی انوری، مجید نوریان بیدگلی، ارزیابی تاثیر چیدمان مارپیچ ابزار برش کاترهد در عملکرد TBM، مهندسی تونل و فضاهای زیرزمینی، ۱۴۰۳/۰۹/۰۶، شماره صفحات ۳۵، ۱۴۰۱/۱۰/۱۰ (مطالعه موردی: مجتبی خدائی جوشقانی، مجید نوریان بیدگلی، تحلیل پایداری فضاهای زیرزمینی دستکند باستانی (مطالعه موردی: ISC، شهر زیرزمینی نوش آباد)، پژوهش باستان سنجی، مجلد ۸، شماره صفحات ۳۵، ۱۴۰۱/۱۰/۱۰).
8. مجتبی انصاری شاد، مجید نوریان بیدگلی، تحلیل عددی نشست زمین ناشی از برداشت آب از چاه پمپاژ در نواحی ISC، شهری، علوم و مهندسی آب و فاضلاب، مجلد ۷، شماره صفحات ۴۲، ۱۴۰۱/۰۶/۰۱.
9. محمد فتحی، مجید نوریان بیدگلی، ارزیابی نشست زمین ناشی از افت سطح ایستابی در دشت کاشان، ارزیابی ISC، نشست زمین ناشی از افت سطح ایستابی در دشت کاشان، مجلد ۶، شماره صفحات ۴۵، ۱۴۰۰/۱۲/۰۱.
10. Numerical and experimental investigations of grain size and temperature effects on the crack propagation velocity in brittle rocks, Computational Particle Mechanics, 2025 04 23, JCR ,SCOPUS.
11. Numerical and experimental investigations of grain size and temperature effects on the crack propagation velocity in brittle rocks, Computational Particle Mechanics, 2025 04 23, JCR ,SCOPUS.
12. Experimental Investigation of the Joint Geometry Effects on the Mechanical Behavior and Confined Compressive Strength of Jointed Rock Masses, Journal of Petroleum Geomechanics, Vol. 7, pp. 38, 2025 01 31, ISC.
13. Impact of Infill Materials of Discontinuities with Different Orientations on Triaxial Compressive Strength of Jointed Rock, Journal of Geomine (JGM), Vol. 2, pp. 36, 2025 01 14.
14. Numerical and experimental investigation of the influence of temperature and grain size on the fracture behavior of rock, Journal of Rock Mechanics and Geotechnical Engineering, 2024 08 08, JCR ,SCOPUS.
15. Evaluation of Tunnel Boring Machine (TBM) Based on Different Cutting Tool Layouts in the Cutter-Head, Journal of Analytical and Numerical Methods in Mining Engineering, Vol. 14, pp. 27, 2024 07 14, ISC.
16. Land subsidence prediction in coal mining using machine learning models and optimization techniques, Environmental Science and Pollution Research, Vol. 31, pp. 31942, 2024 04 19, JCR ,SCOPUS.
17. Critical Review of Scientific Studies on Rock Brittleness Index: An Overview Analysis, Journal of Geomine, Vol. 1, pp. 103, 2024 04 09.
18. Experimental evaluation of the thermal effect on dynamic behavior of travertine rock, International Journal of Protective Structures, Vol. 14, pp. 1, 2023 09 09, JCR ,SCOPUS.
19. Improvement of the Q-System Using the Rock Engineering System: A Case Study of Water Conveyor Tunnel of Azad Dam, Geotechnical and Geological Engineering, Vol. 17, pp. 97, 2023 05 31.
20. Numerical investigation of the effect of impact on the rockfall protective embankment reinforced with geogrid, Geomechanics and Engineering, Vol. 33, pp. 353, 2023 05 20, JCR ,SCOPUS.
21. Numerical study of the effect of rock anisotropy on stresses around an opening located in the fractured rock mass, J PETROL SCI ENG, 2021 10 01, ISC ,JCR ,PubMed ,SCOPUS.
22. Stochastic analysis of strength and deformability of fractured rocks using multi-fracture system realizations, INT J ROCK MECH MIN, Vol. 78, pp. 108, 2015 06 11, ISC ,ISI ,SCOPUS.
23. Majid Noorian ,& Bidgoli, Zhihong Zhao, Lanru Jing, Numerical evaluation of strength and deformability of fractured rocks, Journal of Rock Mechanics and Geotechnical Engineering, 2013, ISI ,SCOPUS ,ISC.