University of sistan and baluchestan



Mohamad Javad Azinfar

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Faculty : Engineering

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Education

- B.Sc, Mining Engineering- Rock Mechanics,Yazd University - 2006
- MS, Mining Engineering,Tarbiat Modares University - 2010
- PhD, Mining Engineering,Tarbiat Modares University - 2016
- PhD, ,Tarbiat Modares University - 2016

Courses

1. Procedure and Presentation of Research
2. Principale of Rock Mechanics
3. Laboratory of Rock Mechanics
4. Principal of Mineral Exploitation
5. Ground Control and Support
6. Mine Surveying
7. Statics
8. bazdid zamin va madan
9. Field Mine Surveying
10. Laboratory of Mineral Processing
11. Statics
12. Acquainting of Mining Engineering Mining Industries
13. Construction Materials and Methods in Green Space
14. Mechanics of Materials
15. petroleum geology
16. Technical Drawing In Landscape

Thesis

1. GRC

محمدرضا كوهستاني, [Mohamad Javad Azinfar]

Master Thesis

1. Identifying geochemical anomalies related to gold mineralization using data mining methods in Siahjangal deposit

هاشم جهان تيغ, [Soheil Zaremotlagh, Mohamad Javad Azinfar]

نيمسال اول سال تحصيلي 1403-1404

2. Presenting the exploratory model of magnesite deposits in Sistan and Baluchestan province using data mining methods

بهروز ناروئي, [Soheil Zaremotlagh, Mohamad Javad Azinfar, Mahmoodreza Rahmatiyan, Seyed Amirasad Fatemi, Ali Akbar Daya, Pooria Akbarzadeh]

نيمسال اول سال تحصيلي 1401-1402

Journals Papers

2026

1. Slope stability analysis of Sefidabeh antimony open-pit walls

Mohamad Javad Azinfar, Seyed Amirasad Fatemi, Soheil Zaremotlagh

Journal of Analytical and Numerical Methods in Mining Engineering Volume: (16) 39 - 48

2. Effect of fissure inclination angle and confining stress on crack propagation and strength of rock-like specimens with K-shaped non-persistent fissures using discrete element simulation

Jinwei Fu, Hadi Haeri, Vahab Sarfarazi, Mohamad Javad Azinfar, Mohammad Saeid Amini

Computational Particle Mechanics Volume: (17) 51 - 72

3. Exploring the Impact of Oriented Notch Distribution on the Shear Behavior and Failure Patterns of Rocks: Insights From Experimental Direct Shear Testing and Numerical Modeling

Jinwei Fu, Hadi Haeri, Vahab Sarfarazi, Mohamad Javad Azinfar, Zahra Hadian, Amir Khosravi

INTERNATIONAL JOURNAL FOR NUMERICAL AND ANALYTICAL METHODS IN GEOMECHANICS Volume: (50) 944 - 972

4. Experimental shear test and Numerical investigation of the mechanical behavior of hollow plate rock-like materials with pre-cracks

Mohamad Javad Azinfar, Vahab Sarfarazi, Seyed Amirasad Fatemi, Saeid Aghighi Ghafoor

Geomechanics and Engineering Volume: (44) 427 - 456

2025

5. Modeling and Analysis of Joint Systems Using a Combined and Multi-Stage Clustering Approach: A Case Study of the Lucho Granite Mass, Zahedan

Soheil Zaremotlagh, Seyed Amirasad Fatemi, Mohamad Javad Azinfar

Journal of Analytical and Numerical Methods in Mining Engineering Volume: (15) 49 - 64

2024

6. The role of structural joint studies in design of economic extraction and stability analysis of rock face of decorative stone mines

Seyed Amirasad Fatemi, Mohamad Javad Azinfar, Soheil Zaremotlagh, Amin Chamani

Volume: (17) 47 - 61

2022

7. 2D Simulation of Dynamic Transportation of Volatile Hydrocarbons in Vadose Zone of Tehran Oil Refinery and Industrial area of Ray, Tehran, Iran

Azadeh Agah, Faramarz Doulati ArdeJani, Mohamad Javad Azinfar

Journal of Mining and Environment Volume: (13) 809 - 820

8. Failure study of nonpersistent and closed joints using PFC2D software

Mohamad Javad Azinfar, Vahab Sarfarazi, Azadeh Agah

Volume: (6) 51 - 62

9. Comparing the capabilities and efficiency of different methods in predicting TBM penetration rate and suggesting the best method

Seyed Amirasad Fatemi, Morteza Ahmadi, Mohamad Javad Azinfar, Amin Chamani

Volume: (6) 31 - 42

2021

10. A new peak shear strength criterion of three-dimensional rock joints considering the scale effects

Mohamad Javad Azinfar, Abdolhadi Ghazvinian, Seyed Amirasad Fatemi

Arabian Journal of Geosciences Volume: (14) 936-1 - 936-12

2019

11. Effect of Rock Fracture Filling on Mode I and II Fracture Toughness

Hamid Reza Nejati, Mohamad Javad Azinfar

Journal of Analytical and Numerical Methods in Mining Engineering Volume: (8) 19 - 25

2018

12. بررسي اثر مقياس بر پارامترهاي هندسي سطوح درزه سنگ

Mohamad Javad Azinfar, Abdolhadi Ghazvinian, Hamid Reza Nejati

Journal of Analytical and Numerical Methods in Mining Engineering Volume: (8) 99 - 114

2017

13. Assessment of scale effect on 3D roughness parameters of fracture surfaces

Mohamad Javad Azinfar, A.H. Ghazvinian, H.R. Nejati

European Journal of Environmental and Civil Engineering Volume: () 1 - 28

2013

14. Shear behavior of inherently anisotropic rocks

Rashid Geranmaye Vaneghi, A. Ghazvinian, M.R. Hadei, Mohamad Javad Azinfar

INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES Volume: (61) 96 - 110

15. Mechanical response of discontinuities of different joint wall contact strengths

Mohamad Javad Azinfar, A. Ghazvinian, P. Norozi

Arabian Journal of Geosciences Volume: (6) 4419 - 4426

2012

16. Importance of Tensile Strength on the Shear Behavior of Discontinuities

A. H. Ghazvinian, Mohamad Javad Azinfar, R. Geranmayeh Vaneghi

ROCK MECHANICS AND ROCK ENGINEERING Volume: (45) 349 - 359

Conferences Papers

2024

1. Investigating geological structural breaks as an effective parameter on the economic extraction of decorative stones

9th National Conference on Tectonics and Structural Geology of Iran

Seyed Amirasad Fatemi, Soheil Zaremotlagh, Mohamad Javad Azinfar

2. Studies of structural joints for optimal design of exploitation method and kinematic analysis of mine walls in Zahedan granitoid mass

9th National Conference on Tectonics and Structural Geology of Iran

Soheil Zaremotlagh, Mohamad Javad Azinfar, Seyed Amirasad Fatemi

2022

3. Investigation of the effect of joint dimensions in several criteria for estimating the amount of joint degradation in direct shear test

10th Iranian Mining Engineering Conference

Mohamad Javad Azinfar, Seyed Amirasad Fatemi, Abdolhadi Ghazvinian, Soheil Zaremotlagh

4. Exploration and feasibility studies of Noukabad magnesite deposit located in the ophiolite zone of Eastern Iran

10th Iranian Mining Engineering Conference

Sobhan Shaban faiz abad, Soheil Zaremotlagh, Mohamad Javad Azinfar, MohamadMahdy Karbala, Mohammad Najafi

5. Determining the direction of the mining face for the optimal extraction of blocks according to the discontinuities modeling by 3DEC software (Case study of Darenjal marble quarry)

10th Iranian Mining Engineering Conference

Seyed Amirasad Fatemi, Soheil Zaremotlagh, Mohamad Javad Azinfar, Amin Chamani

6. Southern Area Slope Stability Analysis of North C Anomaly in Sangan Iron Ore Mines Using Limit Equilibrium

1st International Conference 4th National Conference on Materials, Metallurgy Mining

Hamid Shoja, Mohamad Javad Azinfar, Ebrahim Elahi Zeyni

2020

7. Using Support Vector Machine to Predict Tunnel Boring Machine (TBM) Penetration Rate

8th Iranian Mining Engineering Conference

Seyed Amirasad Fatemi, Morteza Ahmadi, Mohamad Javad Azinfar

2019

8. Providing the shear strength of the rock joint with regard to the scale effect

13th Iranian Tunneling Conference

Mohamad Javad Azinfar, Seyed Amirasad Fatemi, Abdolhadi Ghazvinian

9. Investigating of the scale effect on the joint surface damage in direct shear test

13th Iranian Tunneling Conference

Mohamad Javad Azinfar, Seyed Amirasad Fatemi

2011

10. Intelligent Prediction of Uniaxial Compressive Strength for Sandstone

Research Project

2024

1. Conducting Diagnostic Analysis and Providing Improvement Solutions for Dana Beton Manufacturing Unit

Soheil Zaremotlagh, Seyed Amirasad Fatemi, Mohamad Javad Azinfar - 2024

2023

2. Slope stability analysis in Sefidabe open pit antimony mine

Mohamad Javad Azinfar, Seyed Amirasad Fatemi, Soheil Zaremotlagh - 2023

3. Quick troubleshooting and providing solutions to improve Armaghane Zaris stone production unit

Seyed Amirasad Fatemi, Soheil Zaremotlagh, Mohamad Javad Azinfar - 2023

2021

4. Assessment of closed corporation located in industrial areas of Sistan and Baluchistan province

Seyed Amirasad Fatemi, Soheil Zaremotlagh, Mohamad Javad Azinfar - 2021

2020

5. Determining the exploitation front direction in dimension stone mining for optimal extraction of blo

Seyed Amirasad Fatemi, Soheil Zaremotlagh, Mohamad Javad Azinfar - 2020