



## Mohamad Javad Azinfar Professor

Faculty : Engineering

Departments : Mining Engineering

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University of Sistan and Baluchestan, Daneshgah Ave., Zahedan,  
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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

## Courses

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|---|---|
| 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

محمد رضا کوهستانی, [Mohamad Javad Azinfar]

## Master Thesis

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

هاشم جهان نيغ, [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 Rahmatiyani, Seyed Amirasad Fatemi, Ali Akbar Daya, Pooria Akbarzadeh]

نيمسال اول سال تحصيلي 1402-1401

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## Journals Papers

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### 2022

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1. 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

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

Mohamad Javad Azinfar, Vahab Sarfarazi, Azadeh Agah

Volume: (6) 51 - 62

3. 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

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4. 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

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5. 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

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6. بررسی اثر مقیاس بر پارامترهای هندسی 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

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7. 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

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### 8. 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

### 9. 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

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### 10. 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

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## Conferences Papers

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### 2024

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#### 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

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#### 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

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#### 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

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### 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

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### 10. Intelligent Prediction of Uniaxial Compressive Strength for Sandstone

## Research Project

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## 2024

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

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

## 2023

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### 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

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

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

## 2020

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

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