



Ali Aali Anvari

Associate Professor

College: Faculty of Engineering

Department: Mining Engineering

Education

Degree	Graduated in	Major	University
BSc	2003	Mining Engineering	University of Tehran
MSc	2005	Mininig Engineering	Amirkabir University of Technology
Doctoral	2010	Mining Engineering	Amirkabir University of Technology

Papers in Conferences

1. Kamali&El ,& Tani& NeginTaji&Aalianvari& ,Challenging estimation of seepage in powerhouse cavern and drainage tunnel in Iran ,Eurock 2018,Geomechanics and Geodynamics of Rock Masses ,2018/05/22.
2. Moghadassi&Aghajani&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 / K. AYDINER, S. YASAR & O. YASAR (Eds.) / ۲-۴ November ۲۰۱۶ / Trabzon-Turkey.Trabzon.۲۰۱۶ ۱۱ ۲.
3. Kamali&Aalianvari& El ,& Tani& NeginTaji ,ESTIMATION OF EQUIVALENT PERMEABILITY OF ROCK MASS USING BACK ANALYSIS AND DFN MODEL- CASE STUDY IN IRAN ,International Commission on Large Dams ,2018/07/02.
4. Aalianvari&Meshkat ,Impact of karst features on water inflow into tunnel-case study:Zagros tunnel-iran ,KARST 2018 "Expect the Unexpected" . ,2018/06/06.
5. Nayeb&Aalianvari&.Identify Structural Conduits in the Lar Dam Reservoir at North of Iran.۱۱th International Conference on Engineering Geology.۲ ۵ ۲۰۱۶,م.
6. Shahverdilu&Aalianvari&Behnia.Revise of cavern's axis Azimuth in Azad pumped storage project.Rock Mechanics in Civil and Environmental Engineering.Vigo.۲۰۱۴ ۵ ۲۷.
7. Kamali&Aalianvari& El ,& Tani& NeginTaji ,Effect of shape and size of sampling window on the determination of average length, intensity and density of trace discontinuity ,Rock Mechanics and Rock Engineering Eurock 2016 ,Cappadocia, Turkey ,2016 8 29.
8. Shahverdilu&Aalianvari&Behnia&Abbaszade ,---REVIEW OF HYDRAULIC FRACTURING TESTS CASE STUDY OF AZAD PSCP ,7th International Symposium on In-Situ Rock Stress ,Tampere ,2016 5 10.
9. Aalianvari&Eftekhari ,EVALUATION OF TUNNEL LOADS IN SCHISTOSE ROCKS USING INSTRUMENTATIONS DATA BACK ANALYSING-CASE STUDY:GOLAB-1 TUNNEL, IRAN ,International

10. Aalianvari ,Evaluation of grout curtain efficiency of Kalu-Ganga dam ,24th international mining congress and exhibition of turkey IMCET ,14 4 2015, آنتالیا.

Papers in Journals

1. A Aalianvari, S Jahanmiri, M Abbaszadeh,Developing GEP tree-based, Neuro-swarm, and whale optimization models for evaluating Groundwater Seepage into Tunnels: A Case Study,Journal of Mining and Environment,2024.
2. S Moradi, A Aalianvari, A Aghajani Bazzazi,An efficient experimental model to estimate the performance of the raise borer drilling machine using linear and nonlinear regression approaches in the Azad Dam in Iran,Modeling Earth Systems and Environment,2024.
3. MH. Nazari ,& Ali Aalianvari,Coupled Grout Flow: Fracture Deformation Effects on Grout Penetration in a Physical Model,Iranian Journal of Science,2024.
4. حجت نوری,علی عالی انوری,عباس آقاجانی بزازی,Optimizing Grouting Techniques for Controlling Water Seepage, Using Rain Optimization Technique,Iranian Journal of Science,0000 00 00,SCOPUS ,ISC ,JCR.
5. S Moradi, A Aalianvari, A 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,2023.
6. H Nouri, A Aalianvari, AA Bazzazi,Optimizing Grouting Techniques for Controlling Water Seepage, Using Rain Optimization Technique,Iranian Journal of Science and Technology, Transactions of Civil Engineering,2023.
7. حجت نوری,علی عالی انوری,استفاده از الگوریتم بهبود یافته بهین هسازی باران جهت شبی هسازی حرکت دوغاب. ISC,سیال در شکاف و ماتریکس,پژوهش نفت,مجلد ۳۳,شماره صفحات ۲۴,۱۴۰۲/۰۴/۳۱.
8. محمد حسن نظری,علی عالی انوری ,Mohammed El ,& Tani,Contrary trends of grout consumption and water absorption at Sardasht,Scientific Reports,Vol. 15,pp. 1,2025 02 07,ISC ,JCR ,SCOPUS.
9. محسن آل بویه,مجید نوریان بیدگلی,علی عالی انوری ,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.
10. B Behnia, AAaliAnvari, H Safardoust , Hojaghan, M Salavati , Niasari,Positive effects of novel nano-zirconia on flexural and compressive strength of Portland cement paste,Polyhedron,No. 177,2020.
11. A Eftekhari, A Aalianvari,An overview of several techniques employed to overcome squeezing in mechanized tunnels; A case study,Geomechanics and Engineering,2019.
12. Aalianvari&Eftekhari&Rostami,Influence of TBM operational parameters on optimized penetration rate in schistose rocks, a case study: Golab tunnel Lot - 1, Iran,COMPUT CONCRETE,2018 1 1.
13. Ali Aalianvari,Optimum depth of grout curtain around pumped storage power cavern based on geological conditions,Bulletin of Engineering Geology and the Environment,1 12 2014.
14. S. Nayeb Asadollah & A. Aalianvari & H. Hajjalibeigi,Role of geological structures in seepage from Lar dam reservoir,Arabian Journal of Geosciences,1 10 2018.
15. A Aalianvari.Review on Hydraulic Behavior of faults and models.Scientific Quarterly Journal of Iranian Association of Engineering Geology,۲۰۹.
16. Ali Aalianvari, Maliheh Abbaszades, Maryam Esmaeili.Permeability zoning in Amirkabir tunnel using Support vector machine.Scientific Quarterly Journal of Iranian Association of Engineering Geology.۲۰۲۳/۱/۱۵.
17. Sirvan Moradi, Seyed Davoud Mohammadi, Abbas Aghajani Bazzazi, Ali Aali Anvari, Ava Osmanpour.Financial Risk Management Prediction of Mining and Industrial Projects using Combination of Artificial Intelligence and Simulation Methods,Journal of Mining and Environment.۲۰۲۲/۱۲/۱۲.
18. V Joudaki, R Ajalloeian, N Mobarghaei, A Sohrabi و bidar, A Aalianvari.The Status of the Principles of Land Ethics in Monitoring the Eco-Hydrological Effects of Civil Projects.Scientific Quarterly Journal

of Iranian Association of Engineering Geology, ۲۰۲۰.

19. M Mosaffa, A Aalianvari, A Kamali. evaluation of rock mass deformability, Journal of Dam and Hydroelectric Powerplant, ۲۰۲۰.

20. A AALIANVARI, MS SOLTANI, M MIRI. Estimation of water seepage from Azad dam foundation using multivariate geostatistic and comparison with observed flow. GEOSCIENCES, ۲۰۱۹.

21. علی عالی انوری و سید محمد هاشمی جبلی، جانمایی بهینه افقی میان فضاهاى بزرگ مقیاس در سنگ های با تناوب سخت و سست- مطالعه موردی فضاهاى زیرزمینی نیروگاه تلمبه ذخیره ای آزاد کردستان، نشریه سد و نیروگاه برق سست و سست- مطالعه موردی فضاهاى زیرزمینی نیروگاه تلمبه ذخیره ای آزاد کردستان، نشریه سد و نیروگاه برق سست و سست، ۲۰۱۷، ۵، ۱۵، ISC, SID.

22. Mohammad Hassan Nazari, Ali Uromeie, Ali Aalianvari, Study of Rapid Filtration of Cement Based Grouts by a Steel Model in the Field, Geotechnical and Geological Engineering, 2022/7.

23. MH Nazari , A. Uromeie , A. Aalianvari, Coupled Grout Flow: Fracture Deformation Effects on Grout Penetration in a Physical Model, Iranian Journal of Science, 10 3 2023.

24. Taromi& Eftekhari& Khademi& Aalianvari, A discrepancy between observed and predicted NATM tunnel behaviors and updating: a case study of the Sabzkuh tunnel, B ENG GEOL ENVIRON, 0 0 01, ISI , SCOPUS.

25. Aalianvari& Soltanimohammadi& Rahemi, Estimation of geomechanical parameters of tunnel route using geostatistical methods., GEOMECHANICS AND ENGINEERING, 0 0 01, ISI , SCOPUS.

26. Ali Aalianvari, Combination of engineering geological data and numerical modeling results to classify the tunnel route based on the groundwater seepage, GEOMECHANICS AND ENGINEERING, 0 0 01, ISI , SCOPUS.