

## CURRICULUM VITAE (CV)

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**Name of Staff:** Ali Aalianvari

**Date of Birth:** 1981

**Nationality:** Iranian

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### Education:

- Ph.D, Mining Engineering, Mining exploration, Amirkabir University of Technology, 2011
- Msc, Mining Engineering, Mining exploration, Amirkabir University of Technology, 2005
- Bsc, Mining Engineering, Mining exploration, University of Tehran, 2003

### Publications:

#### Chapter Book:

- " Homayoon Katibeh, Ali Aalianvari;,"Common Approximations to the Water Inflow into Tunnels""Drainage systems" Edited by Muhammad Salik Javaid, ISBN 978-953-51-0243-4, Hard cover, 240 pages, Publisher: InTech, Published: March 07, 2012 under CC BY 3.0 license, in subject Soil Science DOI: 10.5772/36003 PP 75-88

### Journals:

- MH Nazari, A Uromeie, A Aalianvari, Study of Rapid Filtration of Cement Based Grouts by a Steel Model in the Field, Geotechnical and Geological Engineering, 1-12
- A Aalianvari, M Nourian, Stability analysis and selection of optimum support system of large scale underground space-Case study, Journal of Dam and Hydroelectric Powerplant 8 (30), 14-23
- B Behnia, A AaliAnvari, MH Nazari, A study to examine the effect of grouting superfine cement slurry containing nano-silica additives by a simulator cylinder in environments with many joints and gaps, Arabian Journal of Geosciences 14 (23), 1-15
- B Behnia, H Safardoust-Hojaghan, O Amiri, M Salavati-Niasari, AA Anvari, High-performance cement mortars-based composites with colloidal nano-silica: synthesis, characterization and mechanical properties, Arabian Journal of Chemistry 14 (9), 103338
- BB Ali Aalianvari, Nazari, An Experimental Study to Examine the Effect of Grouting Superfine Cement Slurry containing Nano-Silica additives in joint with different openings, IJME
- R Pouryani, A Aalianvari, M 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 & Underground Space Engineering 9 (1), 17-31
- B Behnia, AA Anvari, H Safardoust-Hojaghan, M Salavati-Niasari, Positive effects of novel nano-zirconia on flexural and compressive strength of Portland cement paste , Polyhedron 177, 114317
- A Aalianvari, Review on Hydraulic Behavior of faults and models, Scientific Quarterly Journal of Iranian Association of Engineering Geology

- 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.
- 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.
- S. Nayeb Asadollah & A. Aalianvari & H. Hajialibeigi, Role of geological structures in seepage from Lar dam reservoir, Arabian Journal of Geosciences, 1 10 2018.
- Aalianvari&SoltanMohammadi&Rahemi, Estimation of geomechanical parameters of tunnel route using geostatistical methods., GEOMECHANICS AND ENGINEERING, 0 0 01, ISI ,SCOPUS.
- 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.
- 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.
- Ali Aalianvari, M. MALEKITEHRANI, and S. SOLTANOMOHAMMADI;" Estimation of Water Flow from Upper Reservoir of Azad Pumped Storage Power Plant, Using Geostatistical Methods " JOURNAL GEOLOGICAL SOCIETY OF INDIA Vol.83, January 2014, pp.76-82
- H.farhadian, Ali Aalianvari;, Homayoon Katibeh "Optimization of analytical equations of groundwater seepage into tunnels, case study: Amirkabir tunnel.", 2011, JOURNAL GEOLOGICAL SOCIETY OF INDIA, Vol.80, July 2012, pp.96-100
- Ali Aalianvari;, Homayoon Katibeh, M.Sharifzadeh; "A new approach for computing permeability of fault zones Case study: The upper reservoir of Azad pumped-storage power station in Iran " Archives of mining sciences, Vol 55 Issue 4 , 2010
- Ali Aalianvari;, Homayoon Katibeh, M.Sharifzadeh; "Application of fuzzy Delphi AHP method for the estimation and classification of Ghomrud tunnel from groundwater flow hazard" Arabian Journal of Geosciences, 2010, DOI: 10.1007/s12517-010-0172-
- AliAalianvari;" Evaluation of grout curtain efficiency of Kalu-Ganga dam"" IMCET 2015,Turkey
- T.Abadipour, H.Katibeh, A.Aalianvari" Estimation of water Seepage from upper reservoir of Rudbar pumped storage power plant " 8th Asian Rock Mechanics Symposium, 14-16 October 2014, Sapporo, Japan
- , R.Shaverdilo, M.Behnia AliAalianvari; "Revise of caverns axes in Azad pumped storage project" Eurock2014.
- Ali Aalianvari, Mohammad Salehi" Application of Seepage Time Series Results to Estimation of Water Seepage, Case Study: Lar Dam Reservoir "international conferences in integrated management of environment, on Septembre 25 – 28, 2014 in Hammamet-Tunisia
- Ali Aalianvari;, Homayoon Katibeh, M.Sharifzadeh; "Estimation of fault zone permeability with Fuzzy-Delphi AHP (FDAHP) method" Eurock2010, 15-18 June, Lausanne, Switzerland.

- Ali Aalianvari;, Homayoon Katibeh “Estimation of equivalent permeability in Amirkabir tunnel alignment with neural network.”, 2009, 21st INTERNATIONAL MINING CONGRESS AND EXHIBITION OF TURKEY May 6-8 , Antalya
- Ali Aalianvari; S.M.Hosseini “A NEW APPROACH FOR SITE SELECTION OF MINING WASTE AND. TAILING DAM WITH FDAHP”, 2009, 3th MINING AND ENVIRONMENT SYMPOSIUM 11-12 JUNE 2009, Ankara, Turkey
- Golestanifar, Adnani, Aalianvari; "Detection of Appropriate Groundwater Lowering Approach in OpenPit Mines: A Case Study of Sechahoun Iron Mine of Iran"World mining congress, Iran, 2010
- Ali Aalianvari;"Evaluation of "Optimum Depth of Grout Curtain In Accordance With Seepage Conditions (Sangtuda2- Dam&Hpp-Tajikistan)" 23rd international congress and exhibition of Turkey, 2013
- M.Karbala ; Ali Aalianvari;" Evaluation of Hydrologic conditions of Chaparabad Dam Foundation "23rd international congress and exhibition of Turkey, 2013

### **Highlights:**

- More Than 10 Years of Experience in the design and analysis of grout curtain
- Well-versed in preparation of geological reports related to prefeasibility, feasibility and detail design stages,
- Familiar with numerical analysis by finite element, discrete element and boundary element methods
- Referee of Bulletin of Engineering Geology and the Environment, Springer Nature, from 2012 to date
- Referee of Bulletin of Tunneling and underground space technology, Elsevier, from 2015 to date

### **Membership of Professional Associations**

- Iranian and International Society of Rock Mechanics (ISRM and IRSRM)
- Iranian Geotechnical Society (IGS)
- Iranian Society of Mining Engineering (IRSME)
- Iranian Tunneling Association (IRTA)

### **Other Training :( software, conference ...)**

- A course on the public-private partnership(PPP)agreement template, Mahab Ghodss Co.,2018
- A lecture on familiarity with the last version of ISO9001-2015, Mahab Ghodss Co.,2018
- Technical meeting on site selection methods of hydropower plants, Mahab Ghodss Co.,2017
- A lecture on necessity provisions for construction of concrete dam on active fault, Iran Water and Power Resources Development Co., 2016
- Technical meeting on drilling of long shaft by Raisboring method, Mahab Ghodss Co.,2015
- Technical meeting on review of investigation, design and rehabilitation of Bell spring, Mahab Ghodss Co.,2015
- Technical meeting on theory and practical role and seat of geotechnics, Mahab Ghodss Co.,2015

- Technical meeting on CSG dams, Mahab Ghodss Co.,2015
- Work shop on assessment and monitoring of environmental impact on development projects , Mahab Ghodss Co.,2014
- Technical meeting on Gachsaran formation in Upper Gotvand Dam reservoir, Mahab Ghodss Co.,2014
- Conference of underground oil and gas storage, Tehran University, 2014
- Technical meeting on review of hydrolic fracture test performance and result's interpretation of Rudbar Lorestan Pumped Storage Power Plant Project, Mahab Ghodss Co.,2013
- A basic training course on international payment methods and warranties , Mahab Ghodss Co.,2013
- A lecture of underground oil storage , Mahab Ghodss Co.,2013
- Work shop on water tightening of tunnels and underground structure based on SIA and ZTV standard, Mahab Ghodss Co.,2013
- Seminar on familiarity with the latest achievements and modern excavation technology and foundation treatment, Iran Water and Power Resources Development Co.,2011
- Seminar on value engineering(Level 1), Mahab Ghodss Co.,2010
- Conference of dam and tunnel in Iran, University of Tehran, 2010
- National and International Conference on Dam and Hydropower Plants, Iran Water resources Management Development Co., 2008
- Seminar on permeability and grouting at damsite, Iran Water and Power Resources Development Co.,2008
- Skilled at Following Softwares:  
ROCDATA, GEOSTUDIO, (SEEP, SLOPE), ROCLAB, DIPS, Flac, ArcGIS, Phase2, UDEC, Plaxis, AutoCAD, Microsoft office, Microsoft project

**Countries of Work Experience:** Iran

**Languages:**

	Speaking	Reading	Writing
<b>Persian</b>	<i>Mother Tongue</i>		
<b>English</b>	<i>Good</i>	<i>Good</i>	<i>Good</i>
<i>Each language proficiency is ranked between Good, Fair or Poor</i>			