Curriculum Vitae

Personal information:

First Name: Aliakbar
Last Name: Momeni
Date of Birth: 13-10-1983
Location of Birth: Boroujerd, Lorestan, IRAN
Citizenship: IRAN

Educational Background:

B. Sc. in Geology, 2006, Bu-Ali Sina University, Hamedan, Iran
M. Sc. in Engineering Geology, 2008, Bu-Ali Sina University, Hamedan, Iran
Ph. D. in Engineering Geology, 2013, Bu-Ali Sina University, Hamedan, Iran

Email address: **ali_moomeni@yahoo.com**
Present Position: Academic staff, Shahrood University of Technology, Shahrood, Iran

Title of Theses:

-M. Sc. Thesis: Engineernig geology investigation of Seymare Dam, Ilam, Iran, in Persian, Bu-Ali Sina University, Hamedan, Iran, 2008.
-Ph. D. Thesis: Assessment of Alvand granitoid rocks time dependence behavior with emphasis on weathering and fatigue, in Persian, Bu-Ali Sina University, Hamedan, Iran, 2013.

Research Interests

• Dynamic behavior of rock and soil
•• Site Investigation,
• Soil Improvement Methods,
• Geohazards
• Engineering Geology
•Rock Mechanics
•Karst and hydrogeology

Awards & Achievements

- The tenth rank in M.Sc. entrance exam in Iran (2006)
-The first rank in Ph.D. entrance exam (2008)
- The first rank student in M.Sc (2008)
-The first rank student in Ph.D (2013)

Relevant Publications:

A – Books

1- Khanlari, G. R., **Ali Akbar Momeni** and yasin Abdi lour (2008), "Engineering Geology and Geotechnics", Bu.Ali Sina University Publications, Hamedan, Iran.
2- Khanlari, G. R., **Ali Akbar Momeni** and yasin Abdi lour (2010), "Engineering Geology and Geotechnics", Second Edition. Bu.Ali Sina University Publications, Hamedan, Iran.

B – Research Work Subjects:

1- M. Heidari, A.A. Momeni, H. Mohseni, Instability Study of Ganjname Rock Slopes and Their Remedial Methods. 2010. University of Bu–Ali Sina.
2- Bagheri, R., Momeni, Aliakbar. Seppeage problem in Damghan dam. 2017.

Shahrood. university of technology.

C - Journal Papers

1- F. Hosseinzade, A. Momeni., R. Bagheri., 2018. Assessment of heavy metals pollution in soils around Behshahr landfill. New finding in applied geology, 12(24):77-88.
2- **A. Momeni**, G.R. Khanlari, M. Heidari., S.S. Hashemi. 2018. The effect of cyclic salt weathering test on deterioration potential of granitoid rocks. *Geopersia **8** (2), PP. 143-156.*
3- M. Heidari, **A. Momeni**, Y. Mohebi, 2018. Durability Assessment of Clay-Bearing Soft Rocks By Using New Decay Index. Periodica Polytechnica Civil Engineering. 11284, 1-9. DOI:10.3311/PPci.11284
4- **A. Momeni**, S.S. Hashemi, G.R. Khanlari, M. Heidari, **2017**. The effect of weathering on durability and deformability properties of granitoid rocks. Bulletin of Engineering Geology and the Environment. DOI:10.1007/s10064-016-0999-7
5- **A. Momeni**, G.R. Khanlari, M. Heidari, **2017.** Assessment of mechanical behavior of porphyroid granites subjected to triaxial static and dynamic loading. New finding in applied geology journal (in Presian), accepted.
6- **A. Momeni**, G.R. Khanlari, M. Heidari, Y. Abdilor, **2017.** Effect of cyclic loading on the mechanical properties and fatigue behavior of tonalite rocks. Journal of Engineering Geology, Kharazmi university, accepted.
7- R, Bagheri., H, Jafari., **A, Momeni.,** F, Bagheri., **2016.** Analysis of karst spring recession curves, west of Iran. Arab J Geosci, 9:731.
8- G.R. Khanlari, M. Heidari, M, Noori, **A. Momeni, 2016.** The Effect of Petrographic Characteristics on Engineering Properties of Conglomerates from Famenin Region, Northeast of Hamedan, Iran. Rock Mec Rock Eng, 49 (7): 2609-2921.
9- -**A. Momeni**, Y. Abdilor, G.R. Khanlari, M. Heidari, A.A. Sepahi. 2015. The effect of freeze-thaw cycles on physical and mechanical properties of granitiod hard rocks. Eniviron. Earth. Sci. 75 (4):1649–1656.
10- **A. Momeni**, G.R. Khanlari, M. Heidari, R. Bagheri, E. Bazavand. 2015. Assessment of physical weathering effects on granitic ancient monuments, hamedan, Iran. Eniviron. Earth Sci, 74 (6):5181-5190.

11- **A.A. Momeni,** M. Karakus, G.R. Khanlari, M. Heidari. 2015. Effects of cyclic loading on mechanical properties of a granite. International Journal of Rock Mechanics and Mining Science,77: 89-96.
12- **A.A. Momeni,** G.R. Khanlari, M. Heidari, A.A. Sepahi, E. Bazavand. 2015 New engineering geological weathering classifications for granitoid rocks. Engineering Geology, 185: 43–51.
13- M. Heidari, A.A. Momeni, G.R. Khanlari, 2014. Reply to the comment by Basu on "New weathering classifications for granitic rocks based on geomechanical parameters" by Heidari et al., Engineering Geology (2013) 166:65–73. Engineering Geology, 183: 332–334.
14- S.S. Hashemi., A.A. Momeni., N. Melkoumian., 2014. Borehole stability analysis in poorly cemented granular formations by discrete element method. Journal of Petroleum Science and Engineering, 113: 23–35.
15- G.R. Khanlari., A.A. Momeni., M. Karakus., 2014. Assessment of fatigue behavior of Alvand monzogranite rocks, Journal of Engineering Geology, Kharazmi University, 8: 2003-2020.
16- M. Heidari., B. Rfiei., M. Noori, G.R. Khanlari., A.A. Momeni. 2014. Prediction of compressive strength and elastic modulus of conglomerate samples using regression and artificial neural networks methods. Geotechnical Geology (In Persian), 1:35-46.
17- M. Heidari., A.A. Momeni., B. Rfiei., S. Khodabakhsh., M, Torabikave., 2013. Relationship Between Petrographic Characteristics and the Engineering Properties of Jurassic Sandstones, Hamedan, Iran. Rock Mech Rock Eng 46: 1091–1101
18- M. Heidari., A.A. Momeni., F. Naseri., 2013. New weathering classifications for granitic rocks based on physico-mechanical parameters. Engineering Geology, 166, 65–73.
19- G.R. Khanlari, R. Heidari-Torkamani, A.A. Momeni. 2012. Karst studies and assessment of Ekbatan dam grouting characterization. Journal of Science, University of Isfahan (In Persian), 41 (4): 57-72.
20- G.R. Khanlari., M. Heidari., A.A. Momeni., 2012. Assessment of weathering processes effect on engineering properties of Alvand granitic rocks (west of Iran), based on weathering indices. Journal of Environmental Earth science, 67: 713–725.
21- G.R. Khanlari., M. Heidari., A.A. Momeni., Y. Abdilor. 2012. Prediction of shear strength parameters of soils using artificial neural networks and multivariate regression methods. Engineering Geology 131–132: 11–18
22- G.R. Khanlari., M. Heidari., A.A. Momeni., M, Ahmadi., A. Taleb-Beydokhti., 2012. The effect of groundwater overexploitation on land subsidence and sinkhole occurrences, West of Iran. Quaterly journal of engineering geology and haydrogeology, 45: 447-456.
23- M.H. Gobadi., A.A. Momeni., A. Taleb-Beydokhti., 2012. The role of lithology and tectonic structures in evaluation of karst, variation of discharge and quality of karst springs located in Nahavand area. Journal of Science, University of Shahid Chamran, Ahvaz, Iran (In Persian), 24: 23-35.
24- G.R. Khanlari., A. Taleb-Beydokhti., A.A. Momeni., H.R, Ahmadi., 2012. The effect of Hamedan landfill leachate on ground water pollutions. Iranian journal of engineering geology (In Persian), 3 (4): 81-92
25- G.R. Khanlari., A.A. Momeni., 2012. Geomorphology, hydrogeology and the study of factors affecting to karst development in Garin area, west of Iran.

Iranian Journal of Geography and Territorial Spatial Arrangement (In Persian), 2(3): 61-74.

26- M.H. Ghobadi., A.A. Momeni., 2011. Assessment of granitic rocks degradability susceptive to acid solutions in urban area. Journal of Environmental Earth science, 64 (3): 753-760

27- M. Heidari., G.R. Khanlari., A. Taleb-Beydokhti., A.A. Momeni., 2011. The Formation of Cover-collapse Sinkholes in North of Hamedan, Iran. Geomorphology, 132: 76-86.

28- M.H. Gobadi., A. Taleb-Beydokhti., A.A. Momeni. 2010. The role of lithology and tectonic structure in evaluation of karst, variation of discharge and quality of karst springs location in Abe-garm Qazvin area. . Iranian journal of engineering geology (In Persian), 3 (4): 1-12.

29- M. Heidari, G.R. Khanlari, **A.A. Momeni**., 2010. Prediction of elastic modulus of intact rocks using artificial neural networks and non-linear regression methods. Australian Journal of Basic and Applied Sciences, 4(12): 5869-5879

30- M. Heidari., G.R. Khanlari., **A.A. Momeni**., 2010. Weathering Indices and its Relation to Uniaxial Compressive Strength of Hamedan hololeucogranite Rocks in West of Iran. World Applied Sciences, 11(2): 142-150.

31- M. Heidari., G.R. Khanlari., **A.A. Momeni.**, H. Jafargholizadeh., 2011. The relationship between geomechanical properties and weathering indices of granites rocks, Hamedan, Iran. Geomechanics and geoenineering: an international journal, 6(1): 56-68.

D – Conference Papers:

1- **Momeni, A.A.,** Heidari, M. and Khanlari, G.R., 2007. The Study of Engineering Properties of Hornfeses", 5th Engineering Geology and Environment Conference, Unexpected Hazards Institute, Tehran, Iran.

2- Heidari, M., Khanlari, G.R., **Momeni, A.A.** and Nikkhah, M., 2007. Engineering Geology Evaluation of Emam Zadeh Naser Dam Foundation (case study), 5th Symposium of Engineering Geology and Environment, Unexpected Hazards Institute, Tehran, Iran.

3- Saedi, B., Heidari, M., Mohseni, H., **Momeni, A.A.,** 2012. Assessment of deterioration behavior of Daruse Inscription, Biston, Iran. 31th Symposium of earth science, Mashahd, Iran, 423-433

4- Khanlari. G.R., Bazvand, E., Heidari. M., **Momeni. A.A.,** 2012. Assessment of long term freezing and thawing cycles of physical properties of Alvand diorite. 17th Symposium of Geological Society of Iran, Tehran. 222-230.

5- Khanlari. G.R., Bazvand, E., Sepahi. A.A., **Momeni. A.A.,** 2012. Assessment of long term durability of Alvand diorite regarding salt weathering. 17th Symposium of Geological Society of Iran, Tehran. 2542-262.