

## CURRICULUM VITAE

### PERSONAL INFORMATION

**Name:** MASHALA

**Family Name:** KHAMEHCHIYAN

**Birth Date:** 17<sup>th</sup> July 1957

**Birth Place:** Kashan-Iran

**Marital status:** Married with two sons

**Position:** Associate professor of engineering geology

**Mailing Address:** Engineering Geology Group, Department of Geology, Tarbiat Modares University, P.O. Box 14115-111, Tehran-Iran

**Phone:** +98(21)8011001 Ext. 3435

**Fax:** +98(21)8006544

**E-mail:** [khamechm@modares.ac.ir](mailto:khamechm@modares.ac.ir), [khamechm1@yahoo.com](mailto:khamechm1@yahoo.com)

**Home page:** <http://www.modares.ac.ir/Sci/khamechm>

### EDUCATION:

-B.Sc. in Geology, Shiraz University, Shiraz, Iran, 1986.

-M.Sc. in Engineering Geology, Tarbiat Modares University, Tehran, Iran, 1990.

-Ph.D. in Engineering Geology, Department of Civil Engineering, Saga University, Saga, Japan, 1995.

### EXPERIENCE:

#### *A)Teaching:*

M.Sc. of Engineering Geology since 1995: Soil Mechanics, Advanced Rock Mechanics, Advanced Engineering Geology, Ground Water and Geotechnical Problems.

Ph.D. of Engineering Geology since 2002: Advanced rock mechanics, Environmental geotechnics.

#### *B) Supervising and guiding research:*

Since 2002: Supervising 40 M.Sc. and 5 Ph.D., advising 9 M.Sc. and 4 Ph.D. (all in Farsi) as follows:

#### *Supervising Ph.D. theses:*

- 1- **Moradi, S.K.:** Geotechnical properties of sedimentary environments in Holocene deposits of Southern Khuzestan Plain, 2007.
- 2- **Hasanpoor, J.:** Evaluation of the impact of engineering geological parameters on performance of Tunnel Boring Machine (TBM), 2009.
- 3- **Rajabi, A.M.:** Optimum Model for Assessment of Earthquake-Induce Landslides Hazard in Alborz and Central Iran, 2010.
- 4- **Solouki, H.R.:** Study of interaction of soil engineering properties and wind erosion in Sistan Plain, 2011.
- 5- **Mokhtari, E.:** Using intelligent methods in landfill site selection based on engineering geological criteria, 2014.
- 6- Mahmoudpour, M., Role of Interaction between Engineering Geological Characteristics and Groundwater Withdrawal in Mechanisms and Patterns of Land Subsidence in Southwest of Tehran Region, 2015
- 7- Roshanbakht, K., Sand biomediation by microbial induced carbonate precipitation, 2016.

*Supervising M.Sc. theses:*

- 1- **Rashidi, A.:** Comparison between consolidation parameters of conventional consolidation, large-scale consolidation test and consolidation with radial drainage, 1998.
- 2- **Keshavarz, M.:** Erodibility survey of Ujan Chai river basin using fuzzy set theory, 1998.
- 3- **Soluki, H.R.:** Study of dispersive soils in relation with geological conditions in Khuzestan province, Iran, 1998.
- 4- **Rezaei, H.:** Engineering geological characterization of marly rocks in Dusti dam site area, Sarakhs, Iran, 1999.
- 5- **Moradi, K.:** Engineering geological characterization of Quaternary sediments in Varamin plain, south of Tehran, 1999.
- 6- **Movahedi, A.A.:** Engineering geological characterization of Quaternary sediments in south and central of Tehran, 2001.
- 7- **Hossini, S.J.:** Evaluation of preloading with vertical band drain in improvement of fine grained soils, 2001.
- 8- **Bahreini, P.:** Engineering geological characterization of soft rocks in Agh Chai dam site area, 2001.
- 9- **Nazari, M.H.:** Evaluation of effective engineering geological parameters in designing of grouting curtain of Salmane Farsi dam, 2002.
- 10- **Rahimi, A.:** Study of the cause of soil erosion in Sistan Plain from engineering geological view, 2002.
- 11- **Roshanbakht, K.:** Engineering geological characterization of thick alluvial sediments as dam foundation in Ghazan dam site, Khuy – Iran, 2002.
- 12- **Rakei, B.:** Landslide hazard zonation using neural network; case study: Sefidar Gholeh area in Semnan prtovince, Iran, 2003.
- 13- **Arianfar, A.:** Engineering geological investigation of Sangerd dam site and its role in waterproofing the dam, 2003.
- 14- **Shefaattalab, H.:** Evaluation of engineering geological paremeters affecting on the design of grout curtain of Polroud Dam (Roudsar), 2004.
- 15- **Cheshmdoost, M.:** Evaluation of land compaction with BSP rapid impact compactor and comparing it with freefall method in reclaimed lands from sea (case study: South Pars Area- Assalouyeh), 2004.
- 16- **Tajik, M.:** Assessment of geoenvironmental effects of petroleum pollution on coastal sediments of Bushehr province, 2004.
- 17- **Khodsiani, A.R.:** Study of engineering geological parameters for stabilization of alluvial deposits of Shahriar dam site using jet grouting method, 2005.
- 18- **Kolahchi, M.H.:** Investigation of geotextile influence in engineering properties improvement of soft grounds, 2005.
- 19- **Khabazi, A.:** Study of engineering geology of alluvial sediments in path of Tabriz subway tunnels, 2006.
- 20- **Banikheir, M.:** Evaluation of engineering geological properties of Amirkabir dam water conveyance tunnel passageway to Tehran, 2006.
- 21- **Parhizgar, M.R.:** Investigation of geological hazards at Tang-e-Sorkh dams site, Shiraz, with special view of gypsum solubility, 2007.
- 22- **Khalesi, S.:** Evaluation of hydrogeological properties granodioritic rock masses of Shoor-Jiroft dam site using neural networks, 2008.
- 23- **Abdi rise, M.:** Study of engineering geology of rock masses of Darian dam site (northwest of Paveh), 2008.
- 24- **Boroumandi, M.:** Evaluation of engineering geological parameters in hazardous waste landfill site selection in Zanjan province, Iran, 2008.

25- **Ahmadi, M.J.:** Engineering properties of some sandstone outcrops of Upper Red formation, 2008.

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38- **Nokhizi, A.:** Engineering geological investigation of rock units in Hasan Beig basin and preparing engineering geological map, 2013.

39- **Abbassi, M.:** Evaluating the effect of Tehran Metropolitan air pollutants on engineering geological characteristics of building facade stones, 2014.

40- **Moammadi, S.:** Evaluatoin of effect of engineering geological parameter on groutability of Bakhtiari dam foundation by grouting intensity number (GIN) method by using numerical modeling, 2014.

41- **Mirjalili, T.:** The influence of engineering geological characteristics of limestone aggregate on artificial stone characteristics, 2014.

42- **Rahimi Menbar, H.:** Study the engineering properties of low-temperature metamorphic rocks (Tkab- Marivan) and the possibility to use as aggregate in embankments and core dams, 2016.

43- **Jalilian, H.:** Locating and evaluation of engineering geological characteristics of rock borrow materials applicable in hyadruic structures within the Bane township, 2016.

44- **Jowkar, M.H.:** Evaluation of the problematic soils of Gachsaran formation with especial reference to dispersive phenomena and improvement it using Nano silica and lime (Masjed Soleyman fertilizer project case study), 2016.

45- **Heidari,**

*Advising Ph.D. thesis:*

1- **Pahlavan, B.:** Study of deformability if Tehran coarse grain alluvium by using pressuremeter for surface foundation designs, 2003.

2- **Mohammadi, S.D.:** Application of the Dynamic Cone Penertometer (DCP) for determination of the engineering parameters of sandy soils, 2008.

3- **Taheri, D.:** The behavior of Soft clastic sedimentary rocks and introducing their proper failure criterion, 2009.

4- Hashemi, M.: engineering geological characterization of Caspian sea beaches in Gilan province with emphasis on environmental geological hazards, 2012.

5- Jamshidi, A.: Investigating the durability of travertine stones against of freeze-thaw and salt crystallization, 2014.

*C) Administration:*

- Deputy Administration and Financial Affairs of Faculty of Science, Tarbiat Modares University, 1998-2004

- Head of Geology Department, Tarbiat Modares University, 2000 - 2002

- Head of Engineering Geology Group, Tarbiat Modares University, 2002-2005.

- Deputy Administration and Financial Affairs of Faculty of Science, Tarbiat Modares University, 2005-2006.

- Head of Engineering Geology Group, Tarbiat Modares University, since 2006.

#### **D) Consulting activities**

- Geology Expert, Small hydro-power section, Ministry of Jihad, Tehran-Iran, 1986-1990.
- Geology Expert, Sazeh Pardazi Consultant Engineers Company, 1990
- Geotechnical evaluation of soils and rocks, Engineering Geology Laboratory, Tarbiat Modares University, Tehran-Iran, Since 1996
- Referee of "Guideline for the study of land subsidence due to groundwater withdrawal in Iran", Project No. 31305210, Ministry of Power, 2004-2005

#### **INSTITUTIONAL MEMBERSHIPS:**

- 1- International Association of Engineering Geology and the Environment (IAEG)
- 2- Geological Society of Iran
- 3- Iranian Society of Soil Mechanics and geotechnical Engineering
- 4- Rock Mechanics Society of Iran
- 5- Iranian Society of Engineering Geology and the Environment (Head of society since 2008)

#### **PUBLICATIONS:**

##### **A) Theses:**

- 1- **Khamehchiyan, M.** (1990), Study of physical and mechanical properties of calyey-marly rocks, M.Sc. thesis, Tarbiat Modares University, Tehran-Iran(In Persian).
- 2- **Khamehchiyan, M.** (1995), Study of geotechnical and geoenvironmental aspects of land subsidence due to withdrawal of ground water, Department of civil engineering, Saga university, Saga-Japan.

##### **B) Journal Papers (In English):**

- 1- **Khamehchiyan, M. & Iwao, Y.** (1994), Geotechnical properties of Ariake clay in Saga plain-Japan, Journal of geotechnical engineering, JSCE, 505/III-29, pp. 11-18.
- 2- **Khamehchiyan, M. , Iwao, Y. and Saito, A.**(1995), Land subsidence and earth fissures due to withdrawal of ground water in Rafsanjan plain, Iran, Reports of faculty of science and engineering, Saga University, Japan, 23(2); 81-91.
- 3- Mousavi, S.M., Shamsai, A., El Naggar, M.H., **Khamehchiyan, M.** (2001), A GPS – based monitoring program of land subsidence due to ground water withdrawal in Iran, Can. J. Civ. Eng., 28: 452-464.
- 4- **Khamehchiyan, M., Chrkhabi, A. H., Tajik, M.** (2007), Effect of crude oil contamination on geotechnical properties of clayey and sandy soils, Engineering geology, 89:220-229.
- 5- Fakher, A., Cheshomi, A., **Khamehchiyan, M.** (2007), The addition of geotechnical properties to a geological classification of coarse alluvium in pediment zone, Quaterly Journal of Engineering Geology, 40: 163-174.
- 6- Moradi, K., **Khamehchiyan, M.**, Hafezi Moghadas, N. Amini, H. (2007), Geotechnical properties of Bahmanshir Series, Southwest Khuzestan, Iran, J. of Science and Technology, 31(A1): 123-129.
- 7- Mohammadi, S.D., Nikoudel, M.R., Rahimi, H., **Khamehchiyan, M.** (2008), Application of the dynamic cone penetrometer (DCP) for determination of the engineering parameters of sandy soils, Engineering Geology, 101: 195-203.

- 8- Hassanpour, J., Rostami, J., **Khamehchiyan, M.**, Bruland, A. (2009), Developing new equation for TBM performance prediction in carbonate - argillaceous rocks, a case history of Nowssod water conveyance tunnel, *Geomechanic and Geoengineering: An International Journal*, 4(4): 287-297,
- 9- Hassanpour, J., Rostami, J., **Khamehchiyan, M.**, Bruland, A., Tavakoli, H.R. (2010), TBM performance analysis in Pyroclastic Rocks, a case history of Karaj Water Conveyance Tunnel, *Rock Mechanics and Rock Engineering*, 43: 427-445.
- 10- Rajabi, A.M., **Khamehchiyan, M.**, MahdaviFar, M.R., DelGaudio, V. (2010), Attenuation Relation of Arias Intensity for Zagros Mountains Region (Iran), *Soil Dynamica and Earth quake Engineering*, 30: 110-118.
- 11- Rajabi, A.M., MahdaviFar, M.R., **Khamehchiyan, M.**, DelGaudio, V. (2011), A new empirical estimator of coseismic landslide displacement for Zagros Mountains Region (Iran), *Natural hazards*, 59: 1189-1203.
- 12- **Khamehchiyan, M.**, Nikoudel, M.R., Broumandi, M. (2011) Identification of hazardous waste landfill site: A case study from Zanzan Province, Iran, *Environmental Earth Sciences*, 64(7): 1763-1776.
- 13- **Khamehchiyan, M.**, Abdolmaleki, P., Rakei, B. (2011), Landslide susceptibility mapping using backpropagation neural networks and logistic regression: The Sephidargole case study, Semnan, Iran, *Geomechanic and Geoengineering: An International Journal*, 6(3): 237-250.
- 14- Mohammadi, S.D., Nikoudel, M.R., Rahimi, H., **Khamehchiyan, M.**, (2012), Unit skin friction from the extended dynamic cone penetrometer(EDCP) test supplemented by measurement of torque within testing wells, *Iranian Journal of Science and Technology, Transcation of Civil Engineering*, 36(C1): 115-119.
- 15- Ghajar, A., Najafi, A., Torabi, S.A., **Khamehchiyan, M.**, Boston, K. (2012), An adaptive network-based fuzzy inference systems for rock share edtimation in forest road construction, *Croatian Journal of Forest Engineereing*, 33(2): 313-328.
- 16- Nikoudel, M.R., Mousavi, S.E., **Khamehchiyan, M.**, Jamshidi, A. (2012), Using Miniature Cone Penetration Test (Mini-CPT) to determine engineering properties of sandy soils, *GeoPersia*, 2(2):65-76.
- 17- Rajabi, A.M., **Khamehchiyan, M.**, MahdaviFar, M.R., DelGaudio, V. (2013), A time probabilistic approach to seismic landslide hazard estimates in Iran, *Soil Dynamics and Earthquake Engineering*, 48:25-34.
- 18- Jamshidi, A. Nikoudel, M.R., **Khamehchiyan, M.** (2013), Predicting the long-term durability of building stones against freeze– thaw using a decay function model, *Cold Regions Science and Technology*, 92: 29-36.
- 19- **Khamehchiyan, M.**, Rahimi, M., Esmaeili, M. (2013), Application of rock mass index (RMi) to the rock mass excavatability assessment in open face excavations, *Geomechanics and geoengineering: An International Journal*, 6:63-71.
- 20- Hashemi, M., Nikoudel, M.R., Hafezi Moghadas, N., **Khamehchiyan, M.** 2013, Engineering geological conditions of the Holocene sediments of Anzali area, South Caspian Coast, North Iran, *Arabian Journal of Earth Sciences*, 7: 2339-2352.
- 21- Mahmoudpoor, M., **Khamehchiyan, M.**, Nikoudel, M.R., Ghasemi, M.R., 2013, Characterization of regional land subsidence induced by groundwater withdrawal in Tehran, Iran, *Geopersia*, 3(2): 49-62.
- 22- Jamshidi, A. Nikoudel, M.R., **Khamehchiyan, M.** (2013), Estimating the durability of building stones against salt crystallization: considering the physical properties and strength characteristics, *Geopersia*, 3(2): 35-48.
- 23- Jamshidi, A. Nikoudel, M.R., **Khamehchiyan, M.** (2014), Investigating the effect of specimen diameter size on uniaxial compressive strength and elastic properties of Travertines, *Journal of Science, Islamic Republic of Iran*, 25(2): 133-141.

- 24- Jamshidi, A., Nikudel, M.R., **Khamehchiyan, M.**, 2015, Estimating the Engineering Properties of Building Stones after Freeze-thaw using Multiple Regression Analysis, Iranian Journal of Science and Technology A:Science, 39(2): 147-163.
- 25- Jamshidi, A., Nikudel, M.R., **Khamehchiyan, M.**, 2016, Evaluation of the durability of Gerdoee travertine after freeze–thaw cycles in fresh water and sodium sulfate solution by decay function models, Engineering Geology, 202(1): 36-43.
- 26- Mahmoudpour, M., C **Khamehchiyan, M.**, Nikoudel, M.R., Ghasemi, M.R., 2016, Numerical simulation and prediction of regional land subsidence caused by groundwater exploitation in the southwest plain of Tehran, Iran, Engineering Geology, 201(1): 6-28.
- 27- Taheri, M., Nikudel, M.R., **Khamehchiyan, M.**, Taheri, K., 2016, Laboratory simulation of karst development in carbonate rocks containing insoluble substances: a case study from west Iran, Bulletin of Engineering Geology and the Environment, 75(1): 53-62.
- 28- Roshanbakht, K., **Khamehchiyan, M.**, hasan Sajedi, R., Nikoudel, M.R., 2016, Effect of injected bacterial suspension volume and relative density on carbonate precipitation resulting from microbial treatment, Ecological Engineering, 89(1): 49-55.
- 29- Jamshidi, A., Nikudel, M.R., **Khamehchiyan, M.**, Sahamieh, R.Z. 2016, The effect of specimen diameter size on uniaxial compressive strength, P-wave velocity and the correlation between them, Geomechanics and geoengineering: An International Journal, 11(1): 13-19.
- 30- Jamshidi, A., Nikudel, M.R., **Khamehchiyan, M.**, Sahamieh, R.Z., Abdi, Y. 2016, A correlation between P-wave velocity and Schmidt hardness with mechanical properties of travertine building stones, Arabian J. of Geosciences, 9:568.
- 31- Jamshidi, A., Nikudel, M.R., **Khamehchiyan, M.**, 2016, A novel ohysico-mechanical parameters for estimating the mechanical strength of travertine after a freeze –thaw test, Bulletin of Engineering Geology and the Environment, 32-

*C) Journal papers (In Persian):*

- 1- **Khamehchiyan, M.**, Rahimi, H., Soluki, H (2001), Study of dispersive soils in relation with geological conditions in Khuzestan plain, Iran. Quarterly J. of Geoscience, 35-36: 44-59.
- 2- Pahlavan, B., Fakher, A., **Khamehchiyan, M.**, Sanie, H. (2003), Study of deformability variables of Tehran coarse grain alluvium using Menard pressuremeter, Quarterly J. of Geoscience, 47-48: 96-117.
- 3- **Khamehchiyan, M.**, Rahimi, A., Lashgaripour, G. and Soluki, H. (2005), Investigation of erosion causes of Sistam Plain soils from engineering geological point of view with special references to dispersivity phenomenon, Journal of science, Tehran University, 31: 253-268.
- 4- Rakei, B., **Khamehchiyan, M.**, Abdolmalekei, P., Giahchi P. (2007), Application of Artificial Neural Network for Landslide Hazard Zonation, Journal of science, Tehran University, 33(1): 57-64.
- 5- **Khamehchiyan M.**, Abdolmalekei P., Rakei B. (2007), Using Logistic Regreseon Analysis for Landslide Hazard Zonation in Sephidargoleh Area, J. of Amirkabir, Amirkabir University, 16(62-c): 65-76.

- 6- Fakher, A., Cheshomi, A., **Khamehchiyan, M.**, Geology of Tehran alluvium and evaluation of Riben classification for geotechnical investigation, Journal of science, Tehran University, 33: 64-57.
- 7-Taheri, D., Ghazvinian, A., Nikudel, M.R., **Khamehchiyan, M.**, (2008), Geomechanical evaluation of sedimentary rocks units of Aghajari formation in Zagros zone, Journal of Iranian Association of Engineering Geology, 1(2): 15-33.
- 8- Soluki, H., **Khamehchiyan, M.**, Hafezi Moghadas, N., Alavi Panah, S.K., (2009), Study of wind erosion in Sistan plain and its effects on engineering properties of soils, Journal of Iranian Association of Engineering Geology, 2(3&4): 13-26.
- 9- Khalesi Moghaddam, S., **Khamehchiyan, M.**, Amin Naseri, M.R., (2009), Prediction of Lugeon number using artificial neural networks and its comparison with statistical methods, Journal of Engineering Geology, Kharazmi University, 3(1): 518-522.
- 10- Baghadashtaki, B., **Khamehchiyan, M.**, Nazari, S.M.H., (2010), Stability study of Gachsaran formation slopes in reservoir of Gotvand dam with effects of reservoir recharge and dissolution of salty materials, Journal of Engineering Geology, Kharazmi University, 4(1): 809-826.
- 11- Malek, G., **Khamehchiyan, M.**, Moradi, K., (2011), The effect of hydrodynamic and morphologic conditions of Bahmanshir river on engineering geological properties of tidal deposits of Bahmanshir series, Journal of Iranian Association of Engineering Geology, 4(1&2): 1-14.
- 12- Rajabi, A.M., **Khamehchiyan, M.**, MahdaviFar, M.R., (2012), The prediction of earthquake-induced landslides using Newmark model and Monte Carlo simulation approach, Journal of Iranian Association of Engineering Geology, 4(3&4): 1-17.
- 13- Rajabi, A.M., MahdaviFar, M.R., **Khamehchiyan, M.**, (2012), Using frequency ratio model in prediction of Manjil earthquake-induced landslides, Quarterly Journal of Iran Geology, 21: 3-13.
- 14- Hashemi, M., Nikudel, M.R., Hafezi Moghadas, N., **Khamehchiyan, M.**, (2012), Engineering geological model of north western coasts of Caspian sea, Quarterly Journal of Earth Sciences, 22(86): 171-182.
- 15- Zalooli, A., **Khamehchiyan, M.**, Nikudel, M.R., (2013), Evaluation of travertine samples deterioration against salt crystallization using alteration index and alteration velocity parameters, Journal of Iranian Association of Engineering Geology, 6(1&2): 52-56.
- 16- Tajik, M., **Khamehchiyan, M.**, Chrkhabi, A.H., (2013), Geo-environmental assesment of oil cantaminated distributionin in coastal sediments (Case study: Bushehr province), Journal of Environmental Sciences and Technology, 15(3): 52-65.
- 17- Nikudel, M.R., Bahramkhani, H., **Khamehchiyan, M.**, Jamshidi, A., (2014), Introducing large –scale durability device and its applicability for evaluating hard rock durability, Journal of Engineering Geology, Kharazmi University, 8(2): 2195-2218.
- 18- Rajabi, A.M., **Khamehchiyan, M.**, MahdaviFar, M.R., (2014), Application of the Monte Carlo Simulation in Analysis of Earthquake-Induced Landslides (Case Study: the Manjil Earthquake), Quarterly J. of Geoscience, 23(91): 3-10.
- 19- Zalooli, A., **Khamehchiyan, M.**, Nikudel, M.R., (2014), Evaluation of uniaxial compressive strength changes of travertine samples against salt crystallization using of a decay function model, Advaned Applied Geology, 12: 14-24.
- 20- Boroumandi, M. **Khamehchiyan, M.**, Nikudel, M.R., (2014), Hazardous waste landfill site selection in Zanjan province using analytical hierarchy process (AHP), Journal of Environmental Sciences and Technology, 16(4): 97-109.

- 21-Jamshidi, A. Nikudel, M.R., **Khamehchiyan, M.**, (2015), a statistical model to estimate the mechanical properties of some travertine under freeze – thaw cycles, *Quarterly J. of Geoscience*, 24(95): 37-46.
- 22- Roshanbakht, K., **Khamehchiyan, M.**, hasan Sajedi, R., Nikoudel, M.R., (2015), Biological improvement of sandy soil by microbial induced carbonate precipitation and the affecting factors, *Journal of Iranian Association of Engineering Geology*, 8(1&2): 1-12.
- 23- Rezaei, H., **Khamehchiyan, M.**, (2016), Investigation of Marlstones Position in Rock Mass Engineering Classification Systems, A case study: Doosti Dam site, *Journal of Engineering Geology, Kharazmi University*, 10(2): 3427-3444.
- 24- Boroumandi, M. **Khamehchiyan, M.**, Nikudel, M.R., Mohammadzadeh, M., (2016), Evaluation and determination of soil pollutants in Zanjan basin using Positive Matrix Factorization, *Journal of Environmental Sciences and Technology*, (In Press).

#### D) Conference Papers (In English)

- 1- **Khamehchiyan, M.** and Iwao, Y. (1993), Geotechnical properties of Ariake clay in Saga plain, Japan, *Int. conference on soft soil Engineering, Guangzu, China*, pp. 110-116 (full paper).
- 2- **Khamehchiyan, M.** and Iwao, Y. and Amirsoleymani, T. (1994), Effect of calcium carbonate content on engineering properties of marly rocks, *7th International Conference of IAEG, Lisbon, Portugal*, pp. 597-602 (full paper).
- 3- Iwao, Y., and **Khamehchiyan, M.** (1994), Alteration of drainage ability on the subsided Quaternary lowland by pumping, *7th International Conference of IAEG, Lisbon, Portugal*, pp. 2821-2826 (full paper).
- 4- **Khamehchiyan, M.** , Iwao, Y. and Saito, A. (1994), Land subsidence and earth fissures in Rafsanzan plain, Iran, *7th International Conference of IAEG, Lisbon, Portugal*, pp. 1863-1870 (full paper).
- 5- Iwao, Y., **Khamehchiyan, M.**, Emami, S.M.R., and Saito, A. (1994), The effective factor for the Inadslide at heavy rainfall, *East Asia symposium and field workshop on landslides and debries flows, Seoul. Korea*, pp. 283-290 (full paper).
- 6- **Khamehchiyan, M.** and Iwao, Y. (1995), Development of regression equations for soil compressibility, *Int. symposium on compression and consolidation of clayey soils, Hiroshima, Japan*, pp. 93-98 (full paper).
- 7- **Khamehchiyan, M.** and Iwao, Y. (1998), Study of land subsidence in relation with geoenvironmental conditions in Saga plain, Japan, *8th International Conference of IAEG, Vancouver, Canada*, pp. 2387-2393 (full paper).
- 8- Musavi, S.M., Shamsai, A. and **Khamehchiyan, M.** (1998), Land subsidence in Rafsanzan plain, Iran, *8th International Conference of IAEG, Vancouver, Canada*, pp. 2395-2400 (full paper).
- 9- **Khamehchiyan, M.** Rahimi, H. and Soluki, H.R. (1999), Study of dispersive soils in relation with geological conditions in Khuzestan province, Iran, *Second Asian symposium on engineering geology and the environment, Bangi, Malaysia*, pp. 2-63-2-70 (full paper).
- 10- Nikudel, M.R., **Khamehchiyan, M.**, and Heydari, M. (1999), Engineering geological properties of soft rocks in Qeshm island, Iran, *Second Asian symposium on engineering geology and the environment, Bangi, Malaysia*, pp. 8-5 (abstract).
- 11- **Khamehchiyan, M.**, Nikudel, M., Rezai, H. (2001), Geotechnical properties of Cretaceous marl in Dusti dam site area, Sarakhs, Iran, *Proceeding of 3<sup>rd</sup> Asian*



- symposium on engineering geology and the environment, Jogjakarta, Indonesia, 3-6 September (abstract).
- 12- Pahlavan, B., Fakher, A. and **Khamehchiyan, M.**, 2004, Stiffness of cemented gravel of Tehran from pressuremeter and other in situ tests, Proceeding of ISC'2 on geotechnical and geophysical site characterization, Porto-Portugal, pp. 1701-1707.
  - 13- **Khamehchiyan, M.**, Charkhabi, A. H. and Tajik M., 2006, The effect of crude oil contamination properties of Bushehr coastal soils in Iran, Proceeding of 10th International Conference of IAEG, Natingham, England (full paper).
  - 14- Mahammadi, S.M, Nikudel, M., **Khamehchiyan, M.**, 2007, The use of dynamic cone penetrometer (DCP) to determine some useful relationships for sandy and clayey soils, Proceeding of the Srilankan geotechnical society's first international conference on soil & rock engineering , Colombo, Srilanka (Full paper).
  - 15- Hashemi, M., Nikudel, M.R., Hafezi Moghadas, N., **Khamehchiyan, M.**, 2012, Engineering geological assessment of Anzali region (north Iran, south Caspian coast) to sustain urban planning and development, International Symposium on Coastal Engineering Geology, ISCEG-Shanghi, pp. 135-140.
  - 16- Jamshidi, A., Nikudel, M.R., **Khamehchiyan, M.**, Zalooli, A., 2013, Study on uniaxial compressive and Brazilian strength of Mahallat and Firuzkuh travertines, Central Iran, The Proceedings of the International Symposium & 9th Asian Regional Conference of IAEG, Beijing, China, 427-432.
  - 17- Jamshidi, A., Nikudel, M.R., **Khamehchiyan, M.**, 2013, Statistical models for assessing the durability of building stones due to salt crystallization, The Proceedings of the International Symposium & 9th Asian Regional Conference of IAEG, Beijing, China, pp. 441-445.
  - 18- Boroumandi, M., **Khamehchiyan, M.**, Nikudel, M.R., 2014, Using of analytic hierarchy process for landslide hazard zonation in Zanjan province, Iran, Proceeding of IAEG XII Congress, Torino, Italy, pp. 951-955.
  - 19- Jamshidi, A., Nikudel, M.R., **Khamehchiyan, M.**, Zalooli, A., 2014, Statistical models for predicting the mechanical properties of travertine building stones after freeze-thaw cycles, Proceeding of IAEG XII Congress, Torino, Italy, pp. 477-481.

*E) Conference Papers (In Persian)*

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