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Curriculum Vitae

Danial Mohammadzadeh S.

Individual Information

Date and place of birth: 1989, Mashhad, Iran

Gender: Male

Marital Status: Single



Objective

Continuing My Research at PhD Level and Obtaining Scholarship

Admission in the University of United State, Netherland and Austria, PhD.

Education

Iran Ferdowsi University of Mashhad, Mashhad, Iran.

M.Sc. Geotechnical Eng., Date of Graduation: *January 2016*

Thesis: “Formulation of Compression Index of Clayey Soils Utilizing a Biologically-Inspired Genetic Programming Technique” (20/20)

Seminar: “Comprehensive study of the applications of inspired-biologically technique of genetic programming in the modeling of geotechnical engineering parameters”

B.Sc. in Civil Eng., *July 2012.*

Overall GPA : 18.93/20 (Ranked One)

Research Interest

- Artificial Intelligence Applications in Geotechnical Engineering
- Soil Reinforcement, Improvement and Stabilization
- Soil Characterization
- Slope Stability Analysis

Publications

Journal Papers

Gandomi A.H., Alavi A.H., **Mohammadzadeh D.**, Sahab M.G., “An Empirical Model for Shear Capacity of RC Deep Beams Using Genetic-Simulated Annealing.” *Archives of Civil and Mechanical Engineering, Elsevier*, 13(3): 354–369, 2013. DOI: [10.1016/j.acme.2013.02.007](https://doi.org/10.1016/j.acme.2013.02.007) [ISI, IF = 2.216]

Babanajad S.K., Gandomi A.H., **Mohammadzadeh D.**, Alavi A.H., “Numerical modeling of concrete strength under multiaxial confinement pressures using linear genetic programming.” *Automation in Construction, Elsevier*, 36, 136-144, 2013. DOI: [10.1016/j.autcon.2013.08.016](https://doi.org/10.1016/j.autcon.2013.08.016) [ISI, IF = 2.919]

Gandomi A.H., **Mohammadzadeh D.**, Pérez J.L., Alavi A.H., “Linear Genetic Programming for Shear Strength Prediction of Reinforced Concrete Beams without Stirrups.” *Applied Soft Computing, Elsevier*, ,2014

[DOI:10.1016/j.asoc.2014.02.007](https://doi.org/10.1016/j.asoc.2014.02.007). [ISI, IF = 3.541].

Mohammadzadeh D., Bolouri.J.Alavi A.H. “Formulation of Compression Index of Fine-Grained Soils Utilizing an Evolutionary Computational Approach.” *Engineering Applications of Artificial Intelligence*, Elsevier, 2014.
[DOI:10.1016/j.engappai.2014.03.012](https://doi.org/10.1016/j.engappai.2014.03.012) .[ISI, IF=2.894]

Seyed Ali Ziaei., Ehsan Sadrossadat., Alavi A.H., **Danial Mohammadzadeh S.** “Explicit Formulation of Bearing Capacity of Shallow Foundations on Rock Masses Using Artificial Neural Networks: Application and Supplementary Studies. ” *Environmental Earth Sciences*, Springer, 2015.
[DOI :10.1007/s12665-014-3630-x](https://doi.org/10.1007/s12665-014-3630-x). [ISI, IF=1.765]

D. Mohammadzadeh S., J. Bolouri Bazaz, A.H. Alavi., “Deriving an Intelligent Model for Soil Compression Index Utilizing Multi- Gene Genetic Programming” *Environmental Earth Sciences*, Springer, 2016.
[DOI : 10.1007/s12665-015-4889-2](https://doi.org/10.1007/s12665-015-4889-2) [ISI, IF=1.765]

D. Mohammadzadeh S., J. Bolouri Bazaz, “A New Prediction Model for Soil Compression Index” World Academy of Science, Engineering and Technology *International Journal of Civil and Environmental Engineering*, 2015.
<http://waset.org/abstracts/35247>.

Mohammadzadeh D., Seyed farzan kazemi, S., Amir Mousavi, Ehsan Nasseralshariati “Predicting Compression Index of Fine-Grained Soils Using Gene Expression Programming Model ” *Infrastructures*, MDPI Journals, (Submitted).

Nader Karballaezadeh, **Danial Mohammadzadeh S.**, Shahab Shamshirband, Pouria Hajikhodaverdikhan, Amir Mousavi, Kwok-wing Chau “Remaining Service Life of pavement with the help of particle filter optimized support vector regression (case study of Semnan-Firouzkooh highway)” *Engineering Application of Computational Fluid Mechanics*, Taylor & Francis, 13, 188-198, 2019. 10.1080/19942060.2018.1563829.
[ISI, IF=1.918]

Ehsan Nasseralshariati, **Danial Mohammadzadeh S.**, Amir Mousavi “Evaluation the application of Industrial Wastewater with Different thickness in concrete and analyze its annual durability and features” *Engineering Application of Computational Fluid Mechanics*, Taylor & Francis, ,(Submitted). [ISI, IF=1.918]

Conference Papers

Marof M., Rezazadeh Eidgahee D., **Mohammadzadeh D.**, “Rehabilitation and Stabilization of Problematic Soils by Recycling Construction Debris” International Conference on Civil Engineering, Architecture & Urban Sustainable Development December 2013, Tabriz , Iran.

D. Mohammadzadeh S., J. Bolouri Bazaz, “A New Prediction Model for Soil Compression Index ” 3rd International Conference on Advances in Civil, Structural and Environmental Engineering - ACSEE 10-11 October, 2015 Zurich, Switzerland.

D.Mohammadzadeh S., Alavi A.H., Matinnazar A ., “Utilisation of Computational Intelligence Techniques for Stabilised Soil.”, In Proceedings of the 6th International Conference on Engineering Computational Technology, Civil-Comp Press,

Romania, 2014.

Mohammadzadeh D*, Mostafavinezhad M., Makhmalbaf M., “A Modification and proposal on supervision systems considering pavement projects” 2nd International Congress on Structure , Architecture and Urban Development 16-18 December 2014, Tabriz , Iran.

Mohammadzadeh D*, Mostafavinezhad M., “A Technical and Economical Comparative Study between Asphalt Traditional Recycling Methods: Case study of Mashhad city, Iran” 9th symposium on advances in science and Technology (9th SASTech), December 2014, Mashhad , Iran.

Mohammadzadeh D*, Mostafavinezhad M. , “Pavement Deicing Using An Intelligent Nano-based Concrete System with High Thermal Conductivity: Case study of Mashhad city, Iran.” 9th symposium on advances in science and Technology (9th SASTech), December 2014, Mashhad , Iran.

Mohammadzadeh D*, Lookian S., Mostafavinezhad M., “An economic comparison of Roller compacted concrete pavements with asphalt concrete pavements (Case i Mashhad)” International Conference on Civil Engineering Architecture and urba infrastructure 29-30 July 2015, Tabriz , Iran.

D. Mohammadzadeh S. *, J. Bolouri Bazaz, “A New Prediction Model for Soil Compression Index” 17th International Conference on Urban Drainage (ICUD), July 29-30, 2015, Zurich, Switzerland.

Mohammadzadeh D , Bolouri.J “A new model for soil compression index using mu gene genetic programming” 2nd Iranian Conference on Soil Mechanics and Foundati Engineering The Qom University of Technology, 14-15 October 2015, Qom, Iran .

Mohammadzadeh D., Ghorbani B., Rajae H., “Geotechnical studies and treatment plan: (Case study of khoshke-seil Dam) ” 1st International Conference on Scinence And Engineering, 1 December 2015, Dubai, UAE.

Mohammadzadeh D. , Ghorbani B. , Zibadi A. , Rajae H., “Foundation improvement using micropiles: Case study of Al-Zahra Hotel ” International Conference on Research in Scinence and Technology, 14 December 2015, Malaysia, Kualalumpur.

Zibadi A. , **Mohammadzadeh D.** , Ghorbani B. , , Rajae H., “Static and dynamic analysis of port strectures using Geostudio ” 3.rd International Congress on Civil Engineering , Architecture and Urban Development, 29-31 December 2015, Shahid Beheshti University, Tehran , Iran.

Zibadi A ., **Mohammadzadeh D.**, Ghorbani B., Sardari A., “ Comprehensive study of genetic programming application in modelling geotechnical engineering parameters” 10th symposium on advances in science and Technology (10th SASTech), 14 January 2016, Mashhad , Iran. (Best Paper Award).

Mohammadzadeh D., Ghorbani B., Rajae H., “A numerical and experimen investigation on engineering soil parameters use Plaxis 3D (case study: Al-Zahra Hotel) 9th National Congress on Civil Engineering, 10-11 May 2016, Ferdowsi University Mashhad, Mashhad, Iran.

Mohammadzadeh D., Bolouri.J., “Formulation of Compression Index of Soils usi Genetic Progrmming ” 5th National and 1st International Conference on Modern Materi and Structures in Civil Engineering, 26-27 October 2016, Amirkabir University

Technology, Tehran, Iran.

Mohammadzadeh D., Rezazadeh Eidgahee D, Ghorbani B., “Formulation of Compression Index of Soils using Gene expression Programming ” 5th International Conference on Geotechnical Engineering and Soil mechanics, 15-17 November 2016, Tehran, Iran.

Nader Karballae Zadeh, Hossein Ghasemzadeh Tehrani, D., **Mohammadzadeh** “Comparison of Asphalt Pavement Design Methods with Iran's Methodology (Case study: Semnan-Firouzkooh axis)” The 9th Bitumen and Asphalt Conference and Exhibition on Civil Engineering, Road Research, Housing and Urban Development Research Center with the participation of the South Korean Building Civil Engineering and Technology Research Center (KICT) 24-26 October 2017, Tehran , Iran.

Danial Mohammadzadeh S., Elham Hosseini Mehrab, Nader Karballaezadeh, Amir Mohammadzadeh Shadmehri, “Technical, economic, and environmental assessment of cold recycling of asphalt using bitumen floors” National congress on Architecture & Urban Development, 21-22 February 2018, Vahdat Higher Education Institute of Torbat Jam, Iran.

Morteza Mohemmi, Elham Hosseini Mehrab, Mohammadreza Pakdel, **Danial Mohammadzadeh S.** , “Comparison of the additional load curve for a variety of co-axial bracing systems (CBF) and knee bracing systems (KBF)”, National congress on Architecture & Urban Development, 21-22 February 2018, Vahdat Higher Education Institute of Torbat Jam, Iran.

Reza Mohammadnezhad, Elham Hosseini Mehrab, **Danial Mohammadzadeh S.**, Morteza Mohemmi, “Soil-Structural Modeling and Loading of Alandasht Station Railway Urban Train in Mashhad” , National congress on Architecture & Urban Development, 21-22 February 2018, Vahdat Higher Education Institute of Torbat Jam, Iran.

Reza Mohammadnezhad, Mostafa Sahebdel, **Danial Mohammadzadeh S.**, Morteza Mohemmi, “Two-Dimensional Modeling and Analysis of Soil - Design of the Alandasht Station of Railway Urban Train in Mashhad with Considering the Interaction of Soil and Structures” , National congress on Architecture & Urban Development, 21-22 February 2018, Vahdat Higher Education Institute of Torbat Jam, Iran.

Danial Mohammadzadeh S. ,Reza Mohammadnezhad, Elham Hosseini Mehrab , Morteza Mohemmi, “Estimate and Modeling of the Saadi Station Railway City of Mashhad by using Sap2000 and Plaxis2D software” , National congress on Architecture & Urban Development, 21-22 February 2018, Vahdat Higher Education Institute of Torbat Jam, Iran.

Danial Mohammadzadeh S. , Alireza Ghanbari, Amirhossein Sanaei, Morteza Mohemmi, “Investigating the methods for assessing the pavement situation (Case study City of Quchan)” , National congress on Architecture & Urban Development, 21-22 February 2018, Vahdat Higher Education Institute of Torbat Jam, Iran.

Danial Mohammadzadeh S., Nader Karballae Zadeh., Dariush Moazemi “Estimation of pavement performance with the help of regression of backup vector Machine (Case study of Semnan-Firoozkouh axis)” The 10th Bitumen, Asphalt & Machinery Conference and Exhibition on Civil Engineering, Road Research, Housing and Urban Development ,13-15 November 2018, Tehran , Iran.

Danial Mohammadzadeh S., Nader Karballae Zadeh., Dariush Moazemi , “Comparis of Concrete Pavement and asphaltic Pavement in light of changes in substructure a traffic flow” The 10th Bitumen, Asplalt & Machinery Conference and Exhibition Civil Engineering, Road Research, Housing and Urban Development ,13-15 Noveml 2018, Tehran , Iran.

Danial Mohammadzadeh S., Nader Karballae Zadeh., Ali Sabagh Moghada Hamidreza Kavakebi, “3D Modeling of Mechanized drilling Utilizing Plaxis software” 3rd Iranian Conference Of Geotechnical Engineering , 23 October 20 Tehran , Iran.

Book

Mohammadzadeh D., Sahebdel M., Asgarian A.”Roller Compact Conceret Pavement (RCCP)”, To be In Progress. (Compilation)

Mohammadzadeh D., Noori.” Executive Guide to Asphalt “, To be In Progress.(Compilation)

Mohammadzadeh D., Sahebdel M.,, Matin Nazar A.” Iterative Methods for Linear and Nonlinear Equations”, To be In Progress. (Translation in Persian)

Patents

Alavi A.H., Matin Nazar A., **Mohammadzadeh D.**, “Soil Sampler Electromagnetic Method”, Office of Companies Registration and Industrial Property, Tehran, Iran, 2014, Reg. No.: 85005

Mohammadzadeh D., Matin Nazar A, “Soil stabilization Machine With Automatic Routing System”, Office of Companies Registration and Industrial Property, Tehran, Iran, 2014, Reg. No.: 83021 .

Alavi A.H., Matin Nazar A., **Mohammadzadeh D.**, “Soil sampler devices using electromagnetic- scanning”, Office of Companies Registration and Industrial Property, Tehran, Iran, 2014.

Alavi A.H., Matin Nazar A., **Mohammadzadeh D.**, “Smart soil injection system”, Office of Companies Registration and Industrial Property, Tehran, Iran, 2014.

Alavi A.H., Matin Nazar A., **Mohammadzadeh D.**, “**Smart soil sampler**”, Office of Companies Registration and Industrial Property, Tehran, Iran, 2014.

Alavi A.H., Matin Nazar A., **Mohammadzadeh D.**, “Smart Devices volumes of concrete”, Office of Companies Registration and Industrial Property, Tehran, Iran, 2014.

Mohammadzadeh D., Rezazadeh Eidgahee D., Matin Nazar A, “3D digitalized Arching phenomenon detection in granular media ”, Office of Companies Registration and Industrial Property, Tehran, Iran, 2015.

Mohammadzadeh D., Rezazadeh Eidgahee D., Matin Nazar A, “Pre-alarm device for excavation collapse”, Office of Companies Registration and Industrial Property, Tehran, Iran, 2015.

Mohammadzadeh D., Sadeghi A., Malekkhani J, “Double-sided loading machine”, Office of Companies Registration and Industrial Property, Tehran, Iran, 2019.

Editorial Team

- Regular Reviewer, KSCE Journal of Civil Engineering, Springer
- Regular Reviewer, Journal of Rehabilitation in Civil Engineering ,Scientific-Research is an international journal (print and online), Semnan University.
- Regular Reviewer , Independent Journal of Management & Production
- Regular Reviewer , American Journal of Engineering and Applied Sciences
- Regular Reviewer, Science Research Association (SCIREA Journal of Mine Engineering)
- Regular Reviewer, Science Research Association (SCIREA Journal of Information Science and Systems Science)
- Regular Reviewer, Civil Engineering Journal (C.E.J)
- Regular Reviewer, International Conference on Recent Progress in Civil Engineering, 15-16 Nonember 2017, Shomal university, Amol, Iran.
- Regular Reviewer, National Conference on 2nd Soft Computing, 23-24 November 2017, university of Guilan, Department of Engineering and Technology, East of Guilan, Iran.
- Regular Reviewer, International Conference new study on Civil, Architecture and urban development of Islamic Iranian approach, 30 November 2017, Sadjad University of Technology , Mashhad, Iran.
- Regular Reviewer, The first National Conference on new Researches in Civil, Architecture, Environment and Sustainable urban Development, 31 August 2017, Shiraz , Iran.
- Regular Reviewer, 2nd International Conference on Mining engineering and Geo Sciences, 14 September 2017, Online web , Iran.
- Regular Reviewer, 4th International Conference on Structural Engineering, Olympic Hotel ,16-17 Februrary 2018, Tehran , Iran.
- Regular Reviewer, National Conference on Architecture and Urban Civil, Insitute of Vahdat ,21-22 Februrary 2018, Torbat Jam , Iran.
- Regular Reviewer, 4th International Conference on Civil Engineering, Architecture & Urban Planning with development approach, 16 March 2018, Shiraz , Iran.
- Regular Reviewer, 5th National Conference on Civil, Architecture and Urban, Kharazmi High Institute, 17 May 2018, Shiraz , Iran.
- Regular Reviewer, 2th International Conference on Civil Engineering, Architecture Emphasizing job creation in construction, May 2018, Tehran , Iran.
- Regular Reviewer, IRC Scientific Editorial Review Board on Geotechnical and Geological Engineering (Waste.org)
- Scientific committee, 20th International conference on Intelligent vehicles and Vehicular Technology, Rome, Italy, December 13-14, 2018.
<http://waet.org/conference/2018/12/rome/ICIVVT/committees>
- Scientific committee, 20th International conference on Machine Intelligence, Paris, France, October 29-30, 2018.
<https://waset.org/conference/2018/10/paris/ICMI/committees>
- Scientific committee, 20th International conference on Artificial Intelligence for Control Enginnering, Paris, France, June 25-26, 2018.
<https://waset.org/conference/2018/06/paris/ICAICE/committees>
- Scientific committee, 20th International conference on Intelligence Vehicles and Application, Prague, Czechia, July 9-10, 2018.
<http://waet.org/conference/2018/07/prague/ICIVA/committees>

- Scientific committee, 20th International conference on Advanced Materials, Testing and Information Engineering, San Francisco, USA, June 6-7, 2018.
<http://www.waet.org/conference/2018/06/san-francisco/ICAMTIE/committees>
- Scientific committee, 20th International conference on cognitive science, Istanbul , Turkey, July 23-24, 2018.
<https://waset.org/conference/2018/07/istanbul/ICCS/committees>
- Scientific committee, 20th International Conference on Geotechnical Engineering, Modeling and Computing, Osaka, Japan, September 13-14, 2018.
<http://waet.org/conference/2018/09/osaka/ICGEMC/committees>
- Scientific committee, 20th International Conference on Geogrids, Geotechnical Engineering and Geotechnical Properties, Innsbruck, Austria, 25-26, 2018
<https://waset.us/conference/2018/01/innsbruck/ICGGEGPR/committees>
- Regular Reviewer, 1st National Festival on Research Thesis KHAYYAM AWARD ,Tehran, May 18 ,(2018)
- Scientific committee, 20th International Conference on Soil Treatment and Testing Procedures, Bangkok, Thailand, December 13-14, 2018.
<https://waset.org/conference/2018/09/tokyo/ICSTM/committees>
- Scientific committee, 20th International Conference On Foundation Engineering, Soil Stabilization and Grouting, Venice, Italy, April 12-13, 2018.
<http://www.waet.org/conference/2018/04/venice/ICFESSG/committees>
- Scientific committee, 20th International Conference on Concrete,Structural and Geotechnical Engineering, Barcelona, Spain, October 29-30, 2018.
<https://waset.org/conference/2018/10/barcelona/ICCSGE/committees>
- Regular Reviewer, 6th International Conference on Civil Engineering, Architecture and Urban Planning, Geography and Planning in Society, Iran, September 13-14, 2018.
- Scientific committee, 20th International Conference on Geology in Civil Engineering, Rome, Italy December 13 - 14, 2018
<https://waset.org/conference/2018/12/rome/ICGCE/committees>
- Scientific committee, 20th International Conference on Civil, Geological and Geotechnical Engineering, Kuala Lumpur, Malaysia December 5 - 6, 2018.
<https://waset.org/conference/2018/12/kuala-lumpur/ICCGGE/committees>
- Scientific committee, 20th International Conference on Excavation Engineering and Technology, Paris, France December 27 - 28, 2018
<https://waset.org/conference/2018/12/paris/ICEET/committees>
- Scientific committee, 20th International Conference on Transport and Infrastructure Foundations, New York, USA October 8 - 9, 2018
<https://waset.org/conference/2018/10/new-york/ICTIF/committees>
- Scientific committee, 20th International Conference on Geotechnical Analysis and Investigation, Bangkok, Thailand December 13 - 14, 2018
<https://waset.org/conference/2018/12/bangkok/ICGAI/committees>
- Scientific committee, 20th International Conference on Soil Mechanics, Infrastructure and Construction, Cape Town, South Africa November 15 - 16, 2018. <https://waset.org/conference/2018/11/cape-town/ICSMIC/committees>
- Scientific committee, 20th International Conference on Earthworks Engineering and Technologies, Chicago, USA October 10 - 11, 2018,
<https://waset.org/conference/2018/10/chicago/ICEET/committees>
- Scientific committee, 20th International Conference on Soil and Soil Management, Rome, Italy December 13 - 14, 2018
<https://waset.org/conference/2018/12/rome/ICSSM/committees>
- Scientific committee, 20th International Conference on Concrete, Structural and Geotechnical Engineering, Barcelona, Spain October 29 - 30, 2018

- <https://waset.org/conference/2018/10/barcelona/ICCSGE/committees>
- Scientific committee, 20th International Conference on Cone Penetration Testing and Tip Resistance, Rome, Italy November 12 - 13, 2018.
<https://waset.org/conference/2018/11/rome/ICCPTTR/committees>
- Scientific committee, 20th International Conference on Geomechanics and Field Measurements, Sydney, Australia October 4 - 5, 2018.
<https://waset.org/conference/2018/10/sydney/ICGFM/committees>
- Scientific committee, 20th International Conference on Geotechnics for Sustainable Technologies, Amsterdam, Netherlands December 3 - 4, 2018
- <https://waset.org/conference/2018/12/amsterdam/ICGST/committees>
- Scientific committee, 20th International Conference on Tunnelling, Underground Construction and Geotechnical Engineering, London, United Kingdom September 27 - 28, 2018
<https://waset.org/conference/2018/09/london/ICTUCGE/committees>
- Regular Reviewer, 8th International Conference on Sustainable Development Construction and Urban Regeneration, Qom , Iran 12-15 December, 2018.

Reports

- A Feasibility Study of Cold In-Place Recycling of Asphalt Concrete Pavements of Mashhad. Deputy of Technical and Construction Affairs of Mashhad, Iran, 2014.
- A Feasibility Study of Hot In-Place Recycling of Asphalt Concrete Pavements of Mashhad. Deputy of Technical and Construction Affairs of Mashhad, Iran, 2014.
- Asphalt Paving Design Guide Deputy of Technical and Construction Affairs of Mashhad, Iran, 2013.
- Head of research and development for asphalt repair manuals and Czech list in Mashhad Municipality
- Supervisor of Modern technology in the asphalt, in the Municipality of Mashhad

Honors and Awards

- Achieved 3rd Position in the 1st Iran Concrete Canoe Competition, Iran (2011)
- Ranked 1st in B.Sc. program (2012)
- National Civil Engineering Olympiad (The first step), Ranked 3rd in the first step of 20th Civil Engineering Students Olympiad, among East universities of Iran including 4 provinces: Khorasan Razavi, Khorasan Shomali, Khorasan Jonoobi, and Semnan (2012).
- National Civil Engineering Olympiad (The final step), Ranked 16th in the final step of 20th Civil Engineering Students National Olympiad, Iran (2012).
- Selected as an Elite College Student by Iranian National Institute of Elites (2013)
- National university entrance exam for B.Sc. ranked 650th among approximately 45000 participants (2008)
- M.Sc. (Civil Eng.) entrance as Award as a Top talent student (2013)
- National university entrance exam for M.Sc. (Civil Eng.) ranked 280th among approximately 15,000 participants (2013)
- Top researcher of Ferdowsi University of Mashhad (2013)
- 3 selected proposals for Asphalt usage; asphalt and cold recycle supervision-performance checklist in 15th Javaneh professional festival as a project supervisor (2014)
- Top researcher Ferdowsi University of Mashhad (2014)

- Top Elite student Ferdowsi University of Mashhad (2014)
- Top Researcher Award, Technology and Innovation Section, 1st Annual Research and Educational Symposium of Municipality of Mashhad, Mashhad, Iran (2015)
- Top Researcher Award, Best Research Projects Section, 1st Annual Research and Educational Symposium of Municipality of Mashhad, Mashhad, Iran (2015)
- Top Researcher Award, Best Paper Section, 1st Annual Research and Educational Symposium of Municipality of Mashhad, Mashhad, Iran (2015)
- Top researcher of Ferdowsi University of Mashhad (2015)
- Patent growing festival Koohrang Central Province at 15 to 16 December (2015)
- Participation in Patent registration of Khalij Fars on 19 July, Khoozestan Province, Ahwaz, Iran (2015)
- Having been interviewed as a best researcher in Mashhad city Manucipality, Khorasannews, 29 June (2015)
- Having obtained mark 20 in my thesis for the first time, January (2016)
- Selected inventor of the National Elite Association (2016)
- Selected as the top thesis of the country (civil engineering) (2016)
- Having the interview as a successful Iranian, Astane ghodse (shajar), 15 February (2016)
- I was honered by inventors association of Iran and Young Asian Inventors, 15 March (2016)
- Participation in Patent registration of Khavaran on 20 July in Khorasan Razavi province, Mashhad, Iran (2016).
- Obtained the acknowledgment from the talented students foundation of Khorasan Razavi in researching and innovative activities (2016)
- Obtained acknowledgement in honor of science, cultural and art at khorasan Razavi province (2016)
- Selected as the Member of World Federation on Soft Computing (WFSC) (2016)
- Reviewing, 17th Exhibition of Research, Technology Achievements and Techmart, guilan, Iran, 13-17 December (2016)
- Participation in national economical concrete competition for engineers at ferdowsi university of Mashhad (2016)
- Achieved 3rd Position in the 2st National Economical Concrete competition for engineers at ferdowsi university of Mashhad, Iran (2016)
- Achieved acknowledgement in inventors association of Khorasan Razavi province in "Lovely Mashhad" exhibition of inventors association of Khorasan Razavi for sicientific, researching and innovative activities (2017)
- Top Researcher Award, 1st Annual Research and Educational Symposium of, Iranian Researcher, Iran (2017)
- Having the interview as a best researcher and inventor Iranian, (shadmehreman), 15 August (2017)
- Reviewing 1st National Concrete Championship (Self-Concentration and Economic), Iran (2017)
- Reviewing, 18th Exhibition of Research, Technology Achievements and Techmart, Tehran, Iran, 13-17 December, (2017)
- The best inventor and researcher at the 9th provincial science and technology festival of the Inauguration and Innovation Celebration, Science Achievements Exhibition in Ferdowsi University of Mashhad, February 13-16, (2018)
- Member of the Scientific Committee, in the first specialized seminar on the field of building with the approach to review the requirements for designing and

technical materials of modern materials and technology, Pardisan Hotel February 24, (2018)

- TV interview, commemoration of the engineer's office with the provincial audio and television news agency in the first seminar of the field of the building as a scientific committee, Pardisan Hotel, Mashhad February 24, (2018)
- Selected as the Top Thesis in 1st National Festival on Research Thesis KHAYYAM AWARD ,Tehran, May 18 ,(2018)
- For placing in the top 1% of reviewers in Assorted on Publons'(global Reviewer database, determined by the number of peer review reports performed during the 2017-2018 Award year.
- Interview with Shahrara newspaper as successful young Iranian, December, 2018.
- Reviewing, 19th Exhibition of Research, Technology Achievements and Techmart, Tehran, Iran, 13-17 December, (2018)
-

Teaching Experiences

- Montazei Technical University of Mashhad, Iran, 2017-present.
- Tunnel, Soil Mechanics, Institute of Higher Education of Eqbal Lahoori, 2018-present
- Binaloud University of Mashhad, 2013-present
- Laboratory Soil Mechanics, Payam Nour Univeristy of Mashhad, 2013-present
- **Teaching Assistant** of Higher Engineering Mathematics (Under supervision of Dr. A. Tavakolizadeh) in Ferdowsi University of Mashhad, Civil Engineering Department.
- **Teaching Assistant** of Road (Under supervision of A.Zeyae) in Ferdowsi University of Mashhad, Civil Engineering Department.
- **Teaching Assistant** of Pavement (Under supervision of A.Zeyae) in Ferdowsi University of Mashhad, Civil Engineering Department.
- **Teaching Assistant** of Soil Mechanics (Under supervision of Dr. Seyedi) in Ferdowsi University of Mashhad, Civil Engineering Department.
- **Teaching Assistant** of Foundation (Under supervision of Dr. Seyedi) in Ferdowsi University of Mashhad, Civil Engineering Department.

Membership in Professional Societies

- Member of American Society of Civil Engineers (ASCE)
- Member of Iranian Concrete Institute (ICI)
- Member of Iranian Organization for Engineering Order of Building
- Membership in Geotechnical Engineering Committee of Khorasan Razavi Engineering System
- Member of Cooperative Society of Civil Eng. System of Khorasan-e razavi
- Member of the Association of Civil Engineers of Khorasan Razavi
- Member of Islamic Azad University Young Researchers Club and Elites
- Member of Iranian national committee on Large Dams (IRCOLD)
- Member of Iranian Geotechnical Society (IGS)
- Member of International Society of Soil Mechanics and Geotechnical Engineering
- Member of Iranian Tunnelling Association(ITA)
- Member of Iranian Earthquake Institute (IEI)
- Member of Iranian Inventors Association

- Member of inventors association in Khorasan Razavi
- Member of World Society of Sustainable Energy Technologies (WSSET)
- Member of Iranian Cellular Lightweight Concrete Syndicate.IRAN.
- Member of World Federation on Soft Computing (WFSC)¹
- Member of Iranian Association of Engineering Geology
- Member of Institute of Electrical and Electronics Engineers (IEEE)²
- Member of the Association of Spaghetti Bridge
- Selected as the advisory board of Universal Scientific Education and Research Network (USERN)
- Membership in the Quality Committee of Construction Materials of the Technical Council of the province, November, 2018.

Working Experience

- Mashhad Mayor's Young Adviser, January 2013-2017.
- Main Member of RCCP Concrete Research Team in Mashhad Municipality
- Head of Project Implementation Guide asphalt in Mashhad Municipality
- Head of Project Implementation Check List -asphalt in Mashhad Municipality
- Head of Project Implementation Cold In-Place Recycling asphalt in Mashhad Municipality
- Head of Project Implementation Hot In-Place Recycling asphalt in Mashhad Municipality
- Head of Project Implementation Asphalt repair and refurbishment specialist guide in Mashhad Municipality
- Head of Project Implementation Technology in Asphalt in Mashhad Municipality
- Head of Project Implementation Operation and Maintenance of pavements in Mashhad Municipality
- Head of the Civil Engineering Society
- Civil Engineer in ZIST OMRAN CO, 2011-2015
- Civil Engineer: Construction of Soland Dam, Khorasan, Iran.
- Executive Secretary of the Special Safety and Protection Committee of the Khorasan Razavi Engineering System, 24 October, (2017)
- Adviser of Khorasan Razavi Inventor Association, 23 October (2017-Present)
- Executive Secretary, First Cement Conference, Concrete Challenges, Mashhad, Khorasan Razavi Engineering System, Iran, 2 November (2017)
- Executive Secretary, the First workshop and Specialized competitions for the simulation of Spaghetti Bridge the University of Applied Sciences of Khorasan Municipalities, Mashhad, Khorasan Razavi, Iran, December (2017)
- Executive Secretary, 12th Symposium of Transportation and Traffic, Mashhad, Khorasan Razavi Engineering System, Iran, 17 December (2018).
- Membership in the Construction Materials Control Committee of the Khorasan Razavi Technical Council (2018).
- Head of Department of Elite Relations with Industry of Khorasan Construction Engineering Organization (2018- Present)

¹ The organization is directed by Prof. Lotfi A. Zadeh, regarded as the Father of Soft Computing, from The University of California, Berkeley.

² <http://www.ieee.org/>

Special Skills

- Ability to work properly in laboratory
- Familiarity with advanced soil mechanic apparatuses such as Direct shear, Static Triaxial.

Computer Skills

- **Computer Programming:** MATLAB,
- **Engineering Softwares:**
- ABAQUS(CAE), FLAC, Plaxis 2D, Geostudio, Geoslope, (Sap, Etabs, Safe), Auto CAD, Geoslope, Microsoft Office (Word, Excel, PowerPoint), GIS, 3DMAX

English Proficiency

- **Fluent**
- **IELTS:** To be Taken in September 2019.
- **GRE:** To be Taken in September 2018.

References

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Interview:

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<http://tnews.ir/news/E2E445236480.html>

2. <http://shajar.aqr.ir/%D8%AE%D8%A8%D8%B1%DA%AF%D8%B2%D8%A7%D8%B1%DB%8C/%DA%AF%D9%81%D8%AA%DA%AF%D9%88%D9%87%D8%A7/tabid/5501/ContentID/18601/Default.aspx>

3. <http://shadmehreman.ir/main/?p=9811>

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linkedin:

<https://www.linkedin.com/in/danial-mohammadzadeh-s-6a576765>

Researchgate:

https://www.researchgate.net/profile/Danial_Mohammadzadeh_S

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<https://orcid.org/0000-0002-8135-5780/print>

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<http://usern.tums.ac.ir/User/CV/DMHZ20200>

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<https://mashhad.academia.edu/DanialMohammadzadehS>

ResearcherID:

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GeoWorld

<http://www.mygeoworld.com/profile/danial>

Loop

<http://loop.frontiersin.org/people/460801/overview>

Citeulike

<http://www.citeulike.org/profile/Danial20200>

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