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# Saeed Ghaffarpour Jahromi

## Associate Professor

Shahid Rajaei Teacher Training University (SRTTU)  
Civil Engineering Department  
Director, Geotechnical Engineering Research Center

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## *Professional Background*

**Associate Professor;** 2019-Present; Civil Eng. Dept., Shahid Rajae Teacher Training University  
**Assistant Professor;** 2009-2019; Civil Eng. Dept., Shahid Rajae Teacher Training University  
**Lecturer;** 2002-2009; Civil Eng. Dept., Shahid Rajae Teacher Training University  
**Invited Lecturer;** 2004-2007; Islamic Azad University, Jahrom Branch

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## *Education Background*

October 2003 – April 2009: **PhD in Civil Engineering**  
Major: Soil Mechanics and Foundation (Geotechnical Engineering)  
Amirkabir University of Technology  
Department of Civil Engineering  
Tehran, Iran

October 1999 – February 2002: **M.Sc. in Civil Engineering**  
Major: Soil Mechanics and Foundation (Geotechnical Engineering)  
Amirkabir University of Technology  
Department of Civil Engineering  
Tehran, Iran

October 1994 – October 1998: **B.Sc. in Civil Engineering**  
Major: Civil Engineering  
The University of Mazandaran, College of Engineering  
Babol, Iran

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## *Research Interests*

- Geotechnical Engineering
- Earthquake Geotechnical Engineering
- Pavement Engineering
- Nanotechnology
- Mixture Asphalt Behavior
- Deep Foundation and Pile
- Deep Excavations and related Retaining Structures
- Site Investigations

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## ***Teaching & Courses***

### **Graduate Courses:**

- Soil Dynamics
- Earthquake Geotechnical Engineering
- Advanced Soil Mechanics
- Advanced Rock Mechanics
- Reinforced Soil; Techniques and Method
- Soil Dynamics Laboratory
- Advanced Soil Mechanics Laboratory
- Site Investigation and Field Monitoring

### **Undergraduate Courses:**

- Soil Mechanics I, II
- Foundation Engineering
- Geotechnical Engineering
- Mechanics of Materials I and II
- Excavation
- Soil Mechanics Laboratory

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## ***Academic Positions***

- Chairman; Civil Engineering Faculty, SRTTU University, October 2015- May 2021
- Educational Assistant; Civil Engineering Faculty, SRTTU University, 2012-2014
- Technical Assistant; Civil Engineering Faculty, SRTTU University, 2010-2012
  
- Conference Secretary; First National Conference "Soil Mechanics and Foundation Engineering"; Civil Engineering Faculty, SRTTU University, Tehran, December 2015
- Executive Secretary; First National Conference "Use of Composites in the Construction Industry"; Civil Engineering Faculty, SRTTU University, Tehran, May 2016
- Scientific Secretary; 5<sup>th</sup> International Conference "Geotechnical Engineering and Soil Mechanics" Iranian Geotechnical Society, Tehran, November 2016
- Policy Secretary; First National Conference "Natural and Cultural Heritage Documentation"; Civil Engineering Faculty, SRTTU University, Tehran, March 2018
  
- Head of the Tournament; 1st National Competition-Geo-wall; Civil Engineering Faculty, SRTTU University, Tehran, May 2015
- Head of the Tournament; 2nd National Competition-Geo-wall; Civil Engineering Faculty, SRTTU University, Tehran, May 2015
  
- Director-in-Charge, Journal of Experimental Research in Civil Engineering; ([Jerce.sru.ac.ir](http://Jerce.sru.ac.ir)) 2011-Now
  
- Heads of the Scientific Committees; "Civil Engineering" Khwarizmi International Award, Tehran, 2014-2017
- Heads of the Scientific Committees; "Civil Engineering" Khwarizmi Youth Award, Tehran, 2014-2017

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## ***Honors and Awards***

- Teaching Excellence Award of University; SRTTU University, 2021
- Teaching Excellence Award of University; SRTTU University, 2014
- Teaching Excellence Award; SRTTU University, 2011
- Researcher Professor of University; 2012
- Researcher Professor of University; 2009
- Privileged Teacher of Tehran, 2002
- Ranked 3<sup>rd</sup> among more than 250 PhD applicants of PhD entrance examination, 2003
- Ranked 105<sup>th</sup> among about 30000 M.Sc. applicants of “Ministry of Science, Research and Technology” M.Sc. entrance examination, 1999
- Ranked 3200<sup>th</sup> among more than 300,000 participants in the National Iran University Entrance Examination, 1994.

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## ***Professional Scientific and Technical Committee Membership***

- International Society of soil Mechanics and Geotechnical Engineering (ISSMGE Membership Numbers IRI 11060)
- Iranian Geotechnical Society
- National Committee on Large Dams
- Iranian “Civil Engineer” Society
- Iranian “Road and Building” Society
- Iranian “Education of Engineer” Society
- “Official Expert of Justice” in Civil Engineering
- “Standard Expert of Civil Engineering, Materials and Construction Products” of Iran National Standards Organization (INSO).

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## ***Graduate Students Supervised***

- More than 50 MSc & PhD Thesis supervised (Geotechnical Engineering).

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## ***Books Publication***

- Principles of Form working, Reinforcement and Concreting, SRTTU Publication, 7<sup>th</sup> Editions, 2020 (in Persian).
- Book Chapter (1 of 15); “Nanotechnology in Eco-Efficient Constriction” Wood head Publication; March 2013, United Kingdom.
- Foundation Engineering; Azade Publication; 4<sup>th</sup> Edition; 2009 (in Persian).
- Soil Mechanics; Azade Publication; 4<sup>th</sup> Edition; 2008 (in Persian).
- Soil Mechanics; Azade Publication; 4<sup>th</sup> Edition; 2007 (in Persian).

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## Refereed Journal Papers

- Sama Karkhaneh, **Saeed Ghaffarpour Jahromi** and Amir Tarighat (2022) "Evaluation of Topographical Irregularities Effect on Site Seismic Response Using Soft Computing Method" Geotechnical and Geological Engineering, *Publish online*, 10.1007/s10706-022-02058-0 (ISSN 0960-3182), (SCOPUS Rank Q1).
- **Saeed Ghaffarpour Jahromi**, Mina Mohseni Nejad (2022). "The Effect of Earthquake Frequency Content on the Stability of Geocell-Reinforced Soils", *Iranian Journal of Geophysics*, (), pp. *Publish online*, doi: 10.30499/ijg.2021.297269.1348.
- **Saeed Ghaffarpour Jahromi**, Naser Shabakhty and Parastoo Tajik (2022) "Reliability analysis of nailing method in stabilization of urban excavation - A case study of an Excavation in Tehran" Amirkabir Journal of Civil Engineering (ISC Rank), Vol. 54, No. 2, pp. 1-6, (in Persian).
- Naser Shabakhty, **Saeed Ghaffarpour Jahromi**, Behzad Rahimi (2021) "Reliability Analysis of Piles under Lateral Load", *Marine-Engineering*. Vol. 17, No. 34, pp. 49-59, 20.1001.1.17357608.1400.17.34.3.5
- **Saeed Ghaffarpour Jahromi** and Iman Bagheri (2021) " Stability analysis of geocell-reinforced soil subgrade" *Journal of Transpiration research* (ISC Rank),10.22034/tri.2021.273387.2872 (in Persian) *in press*.
- **Saeed Ghaffarpour Jahromi** and Hesam Ataeieian Dehkordi (2021) "The Effect of Site Behavioral Model on the Accuracy and Estimation of Deep Urban Deformations" *Journal of Rock Mechanics*, (ISC Rank), (ISSN 2008-7918) *in press*.
- **Saeed Ghaffarpour Jahromi** and Yasman Dehghan Banadaki (2021) "The Effect of Arched Wall on the Stability and Deformation of Deep Urban Excavation" *Journal of Civil and Environmental Engineering* (ISSN 2008-7918), DOI:10.22034/jcee.2021.18812.1459, *in press*.
- Sarah Shirmohammadi, **Saeed Ghaffarpour Jahromi**, Meghdad Payan and Kostas Senetakis (2021) "Effect of Lime Stabilization and Partial Clinoptilolite Zeolite Replacement on the Behavior of a Silt-Sized Low-Plasticity Soil Subjected to Freezing–Thawing Cycles" *Coatings* 2021, 11(8), 994; <https://doi.org/10.3390/coatings11080994>
- Sama Karkhaneh, Amir Tarighat and **Saeed Ghaffarpour Jahromi** (2021) "Thermodynamic Study of Cement Paste under Sulfate Attack: A Review" *Journal of Rehabilitation in Civil Engineering* (SCOPUS and ISC Rank). (ISSN 2345-4415), Vol. 9, No. 2, pp.120-145, 10.22075/jrce.2021.20914.1436.
- **Saeed Ghaffarpour Jahromi** and Mohammad Sharafuddin, (2020) "Determine Pile Bearing Capacity Use of PDA Test Results and Neural Networks" *ACTA GEOTECHNICA SLOVENICA* Vol. 17, No. 2, pp. 34-45, (ISSN 1854-0171) <https://doi.org/10.18690/actageotechslov.17.2.34-45.2020>.
- Naser Shabakhty, **Saeed Ghaffarpour Jahromi** and Rebin Ahmadi (2020) "Reliability analysis of static stability of reinforced soil walls " *Amirkabir Journal of Civil Engineering* (ISC Rank), Vol. 52, No. 10, pp. 4-4, DOI: 10.22060/ceej.2019.16349.6197. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Hesam Ataeieian Dehkordi (2020) "Soil Model Effects on Deep Excavations Analysis" *Geotechnical Engineering Journal of the SEAGS & AGSSEA*, Vol. 51, No. 4, pp. 161-168, (ISSN 0046-5828).
- **Saeed Ghaffarpour Jahromi** and Sareh Bahreini (2018) "Investigation of Maximum Stress and Accelerated Absorption of Retaining Wall under Dynamic Load" *Amirkabir Journal of Civil Engineering* (ISC Rank), Vol. 52, No. 2, pp. 2-2, DOI: 10.22060/ceej.2018.14755.5734. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Mohammad Sharafuddin, (2020) " Use of PDA Dynamic Test Results in Determining the Bearing Capacity of Single Pile in Marine Structures by Artificial Neural Networks" *Marine Engineering Journal* (ISC Rank), Vol. 16, No. 31, pp. 131-138 (in Persian).

- **Saeed Ghaffarpour Jahromi** and Fatemeh Bodaghi (2020) "[Slope Stability Analysis Based on The Numerical Manifold Method and The Graph Theory- Case Study Evaluation](#)" Geotechnical and Geological Engineering Vol. 38, 5523-5534, <https://doi.org/10.1007/s10706-020-01381-8> (ISSN 0960-3182), (SCOPUS Rank Q1).
- **Saeed Ghaffarpour Jahromi** and Sareh Bahraini (2020) "[Parametric Evaluation of Rotation and Displacement of the Gravity Retaining Wall During the Earthquake](#)" Bulletin of Earthquake Science and Engineering (ISC Rank), Vol. 7, No. 2, pp. 37-50. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Ashkan Nouri (2020) "[Effect of ambient acidity on mechanical properties and volume of surfactant surfactant](#)" Journal of Transpiration research (ISC Rank), Vol 17, No. 64, pp. 155-167. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Saeedeh Mohammadi (2019) "[The Impact of the Dynamic Properties of the Site on the Seismic Response and the Analysis and Design of Buildings](#)" Iranian Journal of Geophysics, (ISC Rank), Vol. 13, No. 1, pp. 52-67 (in Persian)
- **Saeed Ghaffarpour Jahromi** and Ahmad Yari, (2019) "[Evaluation of Factor Affecting on Seismic Displacements and Rotations of Gravity Retaining Wall Using Physical Model](#)" Sharif Journal of Science and Technology-Civil Engineering (ISC Rank), Vol. 35.2, No. 3.2, pp. 51-65, DOI:10.24200/j30.2018.5078.2200. (in Persian)
- **Saeed Ghaffarpour Jahromi**, Asghar Vatani Oskouei and Sama Karkhaneh, (2019) "[Evaluation of geometry and essential parameters of topographic irregularities for generalization seismic results-Manjil Earthquake for regions with soil type II](#)" Amirkabir Journal of Civil Engineering (ISC Rank), Vol. 51, No. 1, pp. 19-28. DOI: 10.22060/ceej.2018.13007.5311. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Sama Karkhaneh, (2019) "[The Plurality Effect of Topographical Irregularities on Site Seismic Response](#)" Earthquake Engineering and Engineering Vibration, (SJR Rank-Q2), Vol. 18, No.3, pp. 521-534. DOI: <https://doi.org/10.1007/s11803-019-0519-4>
- **Saeed Ghaffarpour Jahromi**, Saeed Ghorban Beygi, and Mojtaba Yaghoubi, (2019) "[Evaluation of Distinct Factor Affecting the Bearing Capacity in Ground Improvement with Stone Column Group](#)" Journal of Ferdowsi Civil Engineering (ISC Rank), Vol. 32, No. 1, pp. 137-149 (in Persian)
- **Saeed Ghaffarpour Jahromi** and Zahra Yazdi Ravandi, (2019) "[Investigation the Effect of Nano-Silica in Stabilization of Clay Soil and Improve the Mechanical and Volumetric Properties of Subgrade](#)" Journal of Transpiration research (ISC Rank), Vol.13, No. 1, pp. 169-183 (in Persian)
- **Saeed Ghaffarpour Jahromi** and Fateme Bodaghi (2019) "[Soil and Rock Slope Stability Analysis based on Numerical Manifold Method and Graph Theory](#)" Journal of Dam and Hydroelectric Power plant, (ISC Rank), Vol. 6, No. 20, pp. 21-31. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Roohollah Izanloo, (2018) "[Use of Genetics Algorithm in Estimating Bearing Capacity of Pile under Dynamic Load](#)" Marine Engineering Journal (ISC Rank), Vol. 14, No. 27, pp. 59-68 (in Persian).
- **Saeed Ghaffarpour Jahromi**, (2018) "[Investigation of Damage and Deterioration Hazard in Asphalt Mixtures Due to Moisture](#)" Proceedings of the Institution of Civil Engineers – Transport - ICE Publishing (SJR Rank-Q2), Vol.171, Issue 2, pp. 98-105 (ISSN 0965-092X). DOI: 10.1680/jtran.16.00005
- **Saeed Ghaffarpour Jahromi**, (2019) "[Introduction of a Simple Method for Prediction of the Rutting Resistance Factor of Nanoclay-Modified Bitumen](#)" International Journal of Pavement Engineering-Taylor & Francis (SJR Rank-Q1), Vol. 20, No. 2, pp. 216-22, DOI: 10.1080/10298436.2017.1279488.
- **Saeed Ghaffarpour Jahromi** and Sepideh Zolfaghar, (2017) "[Investigation of Factor Effecting on Seismic Deflection and Rotation of Gravity Retaining Wall Compare to Empirical Approach](#)" Iranian Journal of Geophysics (ISC Rank-Q1), Vol. 12, No. 1, pp. 51-62. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Hamid Zahedi, (2017) "[Evaluation of Nano Modifier on Volumetric and Mechanical Properties of Clay Soil](#)" Amirkabir Journal of Civil Engineering (ISC Rank), Vol. 50, No. 3, pp. 23-33, DOI: 10.22060/ceej.2017.12241.5157. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Sama Karkhaneh, (2017) "[Effect of the Adjacent Topographies on Seismic Site Response](#)" Bulletin of Earthquake Science and Engineering (ISC Rank), Vol. 4, No. 2, pp.15-32. (in Persian)

- **Saeed Ghaffarpour Jahromi** and Sepideh Zolfaghar (2016) "[Evaluation of Factor Effecting on Seismic Deflection and Rotation of Gravity Retaining Wall](#)" Research Bulletin of Seismology and Earthquake Engineering (ISC Rank), Vol. 5, No. 2, pp. 35-47. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Abdullah Hussein, (2015) "[Optimization of bearing capacity and unsymmetrical settlement of vertical pile group using genetic algorithm](#)" Journal of Structural and Construction Engineering (ISC Rank), Vol. 3, No. 1, pp. 59-71. (in Persian)
- **Saeed Ghaffarpour Jahromi**, (2015) "[Effect of Carbon Nano Fiber on Mechanical Behavior of Asphalt Concrete](#)" International Journal of Sustainable Construction Engineering and Technology (ISI Rank), Vol. 6, No 2, pp. 57-66.
- Parinaz Arashnia, **Saeed Ghaffarpour Jahromi** and Farzad Hatami, (2015) "[Case Study Evaluation of Steel Girder of Bridge Replacement by GFRP](#)" International Journal of Sustainable Construction Engineering and Technology (ISI Rank), Vol. 6, No 2, pp. 67-76.
- **Saeed Ghaffarpour Jahromi** and Ali Saberi, (2014) "[Optimum Layout of Soil Nailed Walls by Genetic Algorithm](#)", Journal of Analytical and Numerical Methods in Mining Engineering (ISC Rank), Vol. 5, No. 10, pp. 63-76. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Navid Esmaeili, (2014) "[Investigating of Factors Affecting the Bearing Capacity and Settlement of the Composite Pile Group under Vertical Load](#)" Optimization Journal of Structural and Construction Engineering (ISC Rank), Vol. 2, No. 3, pp. 5-13. (in Persian)
- **Saeed Ghaffarpour Jahromi**, (2014) "[Modification of Bitumen Binder with Nanoclay](#)" Journal of Petroleum Research (ISC Rank), Vol. 24, No.78, pp. 92-105, DOI: 10.22078/pr.2014.379. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Gutierrez M., (2012) "[ESTIMATION OF LIQUEFACTION FROM CASE HISTORIES](#)" Scientific and Technical Journal on Construction and Architecture-Moscow State University of Civil Engineering (ISI Rank) Vol. 7, No. 10, pp. 134-141,
- **Saeed Ghaffarpour Jahromi**, Nabiallah Ahmadi, Shahram Vossough, Mohammad Reza Mortazavi, (2012) "[Effects of Nanoclay on Rutting and Fatigue Resistance of Bitumen Binder](#)" International Journal of Materials Research-HANSER (SJR Rank- Q2), Issue 3, pp. 383-389, DOI.org/10.3139/146.110588.
- **Saeed Ghaffarpour Jahromi** and Masood Abdollahi Kahrizi, (2012) "Use of Genetic Algorithm to Find Landslide of soil" Scientific Journal of Bana (ISC Rank), No. 53, pp.10-23. (in Persian)
- **Saeed Ghaffarpour Jahromi**, S. Mohammad Reza Mortazavi, Shahram Vossough, Luo Yingjian, (2011) "[Evaluation of Pavement Temperature on Skid Frictional of Asphalt Concrete Surface](#)" International Journal of Pavement Engineering-Taylor & Francis (SJR Rank- Q1), Vol. 12, No. 1, pp. 47-58, DOI.org/10.1080/10298436.2010.501864
- **Saeed Ghaffarpour Jahromi**, Nabiallah Ahmadi, (2011) "[Engineering Properties of Asphalt Concrete Mixtures](#)" International Journal of Earth Sciences and Engineering (SJR Rank- Q3), Vol. 04, No 06 SPL, pp. 941-944,
- **Saeed Ghaffarpour Jahromi**, Nabiallah Ahmadi, S. Mohammad Mortazavi, Shahram Vossough (2011) "[Rutting and Fatigue Behavior of Nanoclay Modified Bitumen](#) " Iranian Journal of Science and Technology -Transaction B: Engineering (SJR Rank- Q2), Vol.35, No.C2, pp. 277-281, DOI: 10.22099/ijstc.2012.673.
- **Saeed Ghaffarpour Jahromi**, Nabiallah Ahmadi, Shahram Vossough and Ali Khodaii (2011) "[Effect of Nanoclay and Precipitated Calcium Carbonate to improve Rheological Properties of Bitumen Binder](#)" Journal of Ferdowsi Civil Engineering (ISC Rank), Vol. 23, No. 1, pp. 15-25, DOI: 10.22067/civil.v23i1.12784. (in Persian)
- **Saeed Ghaffarpour Jahromi**, Shahram Vossough, Nabiallah Ahmadi and Behrooz Andalibzade (2011) "[Effect of Nanoclay and Precipitated Calcium Carbonate on Mechanical Properties of Asphalt Concrete](#)" Journal of Civil and Surveying Engineering (ISC Rank), Vol. 45, No. 3, pp. 335-344. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Ali Khodaii, (2011) "[Effect of Filler on Volumetric Properties of Asphalt Mixtures](#)" Journal of Ferdowsi Civil Engineering (ISC Rank), Vol. 22, No. 2, pp. 77-88, DOI: 10.22067/civil.v22i2.10637. (in Persian)

- **Saeed Ghaffarpour Jahromi**, Shahram Vossough, Nabiallah Ahmadi and Mohamadreza Mortazavi, (2010) "[Effect of Nanoclay Modification on Fatigue and Permanent Deformation of Bituminous Binder](#)" Journal of Transportation Engineering (ISC Rank), Vol. 2, No. 5, pp. 51-64. (in Persian)
- **Saeed Ghaffarpour Jahromi**, Behrooz Andalibizade and Ali Khodaii, (2010) "[Mechanical Behavior of Nanoclay Modified Asphalt Mixtures](#)", Journal of Testing and Evaluation-ASTM (SJR Rank- Q2), Vol. 38, Issue 5, pp. 549-557, DOI: 10.1520/JTE101836.
- **Saeed Ghaffarpour Jahromi**, Behrooz Andalibizade and Shahram Vossough, (2010) "[Engineering Properties of Nanoclay Modified Asphalt Concrete Mixtures](#)" Arabian Journal for Science and Engineering (SJR Rank- Q2), Vol. 35, No. 1B, pp. 89-103.
- **Saeed Ghaffarpour Jahromi** and Behrooz Andalibizade, (2010) "Novel Methods to Reduce Negative Skin Friction on Piles" Scientific Journal of Bana (ISC Rank), No. 44, pp.59-69. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Ali Khodaii, (2009) "[Identification Effects of Nanoclay on Engineering Properties of Asphalt Mixtures](#)", *Amirkabir International Journal of Modeling, Identification, Simulation & Control*, Vol. 49, No. 1, pp. 49-57. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Ali Khodaii, (2009) "Comparing Effects of conventional and Novel Filler on Mechanical Properties of Asphalt Mixtures" Journal of Transpiration research (ISC Rank), Vol. 6, No. 18, pp. 41-51. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Ali Khodaii, (2009) "[Effects of Nanoclay on Rheological Properties of Bitumen Binder](#)" Journal of Construction and Building Materials-Elsevier (SJR Rank-Q1), Vol. 23, No. 8 pp. 2894-2904, doi.org/10.1016/j.conbuildmat.2009.02.027.
- **Saeed Ghaffarpour Jahromi** and Ali Khodaii, (2009) "[Comparing Factors Affecting Resilient Modulus in Asphalt Mixtures](#)", Scientia Iranica (SJR Rank- Q3), Vol. 16, No. 5, pp. 367-375.
- **Saeed Ghaffarpour Jahromi** and Ali Khodaii, (2009) "[Master Curves for Stiffness Asphalt Concrete](#)", International Journal of Pavement Research and Technology (SJR Rank- Q3), Vol. 2, pp.148-153.
- **Saeed Ghaffarpour Jahromi**, (2009) "[Estimation of resistance to moisture destruction in asphalt mixtures](#)", Journal of Construction and Building Materials-Elsevier (SJR Rank- Q1), Vol. 23, No. 6, pp. 2324-2331, DOI.org/10.1016/j.conbuildmat.2008.11.007.
- **Saeed Ghaffarpour Jahromi** and Ali Khodaii, (2009) "Effects of Novel Filler on Mechanical Properties of Asphalt Mixtures" Journal of Management System (ISC Rank), No. 65, pp. 73-84. (in Persian)
- **Saeed Ghaffarpour Jahromi**, (2009) "Carbon Fiber to Improve Durability of Asphalt Mixtures" Scientific Journal of Bana (ISC Rank), No. 38, pp. 47-56. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Behrooz Andalibizade (2008) "Effect of Filler on Film Thickness of Asphalt Mixtures" Scientific Journal of Bana (ISC Rank), No. 37, pp.19-29. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Ali Khodaii, (2008) "[Empirical Model for Determining Rutting Parameter in Rubber Modified Bitumen](#)", International Journal of Civil Engineering (SJR Rank-Q2), Vol. 6, No. 4, pp. 246-254.
- **Saeed Ghaffarpour Jahromi** and Ali Khodaii, (2008) "[Carbon Fiber Reinforced Asphalt Concrete](#)" Arabian Journal for Science and Engineering (SJR Rank- Q2), Vol. 33, Number 2B, pp. 355-364.
- **Saeed Ghaffarpour Jahromi** and Hussein Gholamali, (2007) "Comparison of Stress and Strain Distribution using Mesh Less Methods" Journal of Technology of Education (ISC Rank), Vol. 1, No. 3, pp. 107-116. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Ali Khodaii (2007) "Evaluation the permanent deformation potential of asphaltic mixture" Journal of Management System (ISC Rank), No. 55, pp. 76-86. (in Persian)
- **Saeed Ghaffarpour Jahromi**, (2005) "Criteria Selection the Suitable Bitumen for Reduce Negative Skin Friction of Piles" Scientific Journal of Bana (ISC Rank), No. 21, pp.47-58. (in Persian)



- **Saeed Ghaffarpour Jahromi**, (2003) "Excusable of Using Bitumen Coating to Reduce Negative Skin Friction on Piles and Experimental Investigations" *Amirkabir Journal of Civil Engineering (ISC Rank)*, Vol. 15, No. 60, pp. 53-65. (in Persian)
- **Saeed Ghaffarpour Jahromi**, (2003) "Experimental Study of Effective Factors on Performance of Bitumen Coating to Reduce Negative Friction on Piles" *Scientific Journal of Bana (ISC Rank)*, No. 19, pp.147-160. (in Persian)

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## *Conference Proceedings*

- Seyed Saeed Mirasharf, **Saeed Ghaffarpour Jahromi** and Abolfazl Mohammadzadeh Moghaddam (2021) "Mechanical properties of cement mortar modified with cationic bitumen using ultrasonic test" *Third National Conference on Sustainable Urban Transport Innovations*, Ferdowsi University of Mashhad, Neyshabur.
- **Saeed Ghaffarpour Jahromi** and Hanieh Kaboudvand (2021) "Shear modulus of sand in small strains" *The First International Conference on Earthquake and Seismic Geotechnical Engineering*, Azarbaijan Shahid Madani University, Tabriz.
- **Saeed Ghaffarpour Jahromi** and Ali Chaghameh (2021) "Cyclic behavior of soil reinforced with natural fibers and polypropylene" *The First International Conference on Earthquake and Seismic Geotechnical Engineering*, Azarbaijan Shahid Madani University, Tabriz.
- **Saeed Ghaffarpour Jahromi** and Alireza Yamani (2021) "Comparison of the effect of 2D and 3D topographic on seismic respond of the site" *8th National Conference on Sustainable Development in Civil Engineering*, Tehran.
- **Saeed Ghaffarpour Jahromi** and Mohammad Javad Mahmoudian (2021) "Application of RS and GIS in Landslide Measurement" *First national conference on GIS Technology in Civil and Survey Engineering and Urban Development*, Babol.
- Sama Karkhaneh, Amir Tarighat and **Saeed Ghaffarpour Jahromi (2020)** "Study of laboratory and numerical studies of sulfate resistance of concrete" *8th National Civil Engineering, Architecture and Sustainable Urban Development of Iran*, Tehran.
- **Saeed Ghaffarpour Jahromi** and Amir Hossein Saeedi (2020) "Analytical and Experimental Relationships in Evaluating and Predicting Earth Motion Parameters" *7th National Conference on Applied Research in Civil Engineering, Architecture and Urban Management*, KNT University of Technology, Tehran.
- **Saeed Ghaffarpour Jahromi** and Mohammadreza Nazemi (2020) " Seismic evaluation of wide foundations located on piles " *12th National Congress of Civil Engineering*, Sahand University of Technology, Tabriz.
- **Saeed Ghaffarpour Jahromi** and Mohammad Varmaz Yari (2019) "Numerical Simulation of Sand Flow Using Molecular Dynamics" *Eighth International Conference on Seismology and Earthquake Engineering*, Tehran Institute of Seismology and Earthquake Engineering, Tehran.
- Mojtaba Vashghani Farahani and **Saeed Ghaffarpour Jahromi** (2019) "Comparison of Seismic Displacement of Gravity Retaining Wall and Reinforced Soil Wall Based on Performance Base" *Eighth International Conference on Seismology and Earthquake Engineering*, Tehran Institute of Seismology and Earthquake Engineering, Tehran.
- **Saeed Ghaffarpour Jahromi** and Hamid Reza Kazemi (2019) "Analysis of Seismic Stability of Slopes by Measuring Cumulative Deformation" *First International Conference on Civil Engineering, Architecture and Regeneration*, Tehran.
- **Saeed Ghaffarpour Jahromi** and Noushin Naseri (2019) "An Overview of Methods for Predicting Earthquake Parameters and Natural Resource Hazards" *First International Conference and Fourth National Conference on Conservation of Natural Resources and Environment*, *University of Mohaghegh Ardabili*.

- **Saeed Ghaffarpour Jahromi** and Reza Babaei (2019) "Estimation of Vertical Displacement of Land Due to Liquefaction and Reduction by Sand and Geosynthetic Applications" 2nd International Conference on Civil Engineering, Architecture and Urban Development Management in Iran, University of Tehran.
- Sama Karkhaneh, Amir Tarighat and **Saeed Ghaffarpour Jahromi** (2019) "Simulation of Sulfate Attack in Concrete" First International Conference on Interdisciplinary Studies in Management and Engineering, University of Tehran.
- Sama Karhkaneh, Amir Tarighat and **Saeed Ghaffarpour Jahromi** (2019) "Investigation of Sulfate Resistance of LC3 Concrete (Portland Cement, Calcined Clay and Limestone)" 6th Annual Congress of Civil, Architecture and Urban Development, University of Science and Technology,
- **Saeed Ghaffarpour Jahromi** and Saeed Yar Ahmadi (2019) "The Impact of Temperature on Improving Clay Consolidation Process and Thermal Conductivity Evaluation of Sand" 6th Annual Congress of Civil, Architecture and Urban Development, Science and Technology University.
- **Saeed Ghaffarpour Jahromi** and Amir Hossein Lotfi (2019) "Soil Improvement Using Cement, Lime and Sodium Silicate Materials" 6th National Conference on Applied Research in Civil Engineering, Architecture and Urban Management, KHNT University of Technology
- Morteza Mobalegh and **Saeed Ghaffarpour Jahromi** (2019) "Time-frequency analysis for soil dynamic lateral pressure" 6th National Conference on Applied Engineering in Civil Engineering, Architecture and Urban Management, KNTU University.
- Naser Shabakhaty, **Saeed Ghaffarpour Jahromi** and Parastoo Tajik (2019) "Reliability Analysis of Soil Resistance Parameters on Excavation Stability in Nailing Method" 11th National Congress of Civil Engineering, Shiraz University.
- **Saeed Ghaffarpour Jahromi** and Zeinab Amraii (2019) "Evaluation of Monopile Dynamic Response Using a Centrifuge", 5th National Conference on Civil Engineering, Architecture and Urban Development, University of Tehran.
- **Saeed Ghaffarpour Jahromi** and Sara Shir Mohammadi (2019) "The Effects of Polystyrene Additive on Damping and Soil Dynamic Properties", 5th National Conference on Civil Engineering, Architecture and Urban Development, University of Tehran.
- **Saeed Ghaffarpour Jahromi** and Mohammad Hussein Haji Momaji (2019) "Effect of Water Pore Pressure in backfill on Seismic movement of Retaining Wall" The 5th National Conference on Civil Engineering, Architecture and Urban Development, University of Tehran, Feb. 2011
- **Saeed Ghaffarpour Jahromi** and Mohammad Tayeb Mohammadi (2018) "Seismic Study of Zardam Dam Slope using Numerical Method" International Conference on Civil Engineering, Architecture and Urban Development Management, Tehran University.
- **Saeed Ghaffarpour Jahromi** and Hasan Jafari Kargar (2018) "The Effect of Seismic Frequency Content on the Analysis of Structural", International Conference on Civil Engineering, Architecture and Urban Development Management, Tehran University.
- Neda Mekram, **Saeed Ghaffarpour Jahromi** and Behrooz Gatmiri (2018) "An overview of the factors affecting the shear modulus and the damping ratio of the sand in the three-axial cyclic test" Third National Geotechnical Conference of Iran, Faculty of Engineering, University of Tehran, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Hamed Radfar (2018) "Application of concrete piles in reducing the Lateral spreading of liquefaction" Third National Geotechnical Conference of Iran, Faculty of Engineering, University of Tehran, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Azim Askarzadeh Mahani (2018) "Landslide monitoring by SAR observation observations" First National Environmental Geotechnical Conference, Fasa University, Fasa, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Mohammad Tayeb Mohammadi (2018) "Seismic study of Zardam Dam slope by numerical method", International Conference on Civil Engineering, Architecture and Urban Development Management, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Hamed Pourali, (2018) "Analysis the stability and seismic displacement of soil slopes", National Conference on Civil and Architecture in Urban Management of the 21st Century, University of Karaj, Iran. (in Persian)

- **Saeed Ghaffarpour Jahromi** and Mohammad Sharafodin, (2018) "Reliability the estimation of the bearing capacity of the piles from the PDA test results using artificial neural network ", 11<sup>th</sup> National Congress of Civil Engineering, University of Tehran, Iran. (in Persian)
- Naser Shabakhti, **Saeed Ghaffarpour Jahromi** and Reibin Ahmadi, (2018) "Analysis of external stability of reinforced soil wall", 5th International Conference on Reliability and Safety Engineering, Shiraz University, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi**, Naser Shabakhti and Ahmad Miri, (2018) " Reliability analysis of bearing capacity of foundation by first order and second reliability methods (FORM)", Civil, Architectural and Urban Development Conference of Islamic World Countries, Tabriz University, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Pouya Nouhi, (2018) "An overview of the pseudo-dynamic method in estimating the displacement of the seismicity of the retaining walls", Civil, Architectural and Urban Development Conference of Islamic World Countries, Tabriz University, Iran. (in Persian)
- Mohammad Salimi, Abbas Nalian and **Saeed Ghaffarpour Jahromi**, (2018) "Investigate the application of remote sensing in detecting and documenting mass movements ", The First National Conference on Documentation of Cultural and Natural Heritage, SRTTU University, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Niloufar Behnami, (2018) "Physical Modeling of Pile under Harmonic Cyclic Load", The First National Conference on Documentation of Cultural and Natural Heritage, SRTTU University, Tehran, Iran. (in Persian)
- Amin Ebrahimi and **Saeed Ghaffarpour Jahromi**, (2018) "New Pattern of Improving the Performance of Concrete Curing", 4th International Conference on Structural Engineering, Iran Structural Engineering Society, Tehran, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Reza Abdollahpour Maleki (2018) "The Application of Image Processing Theory in Earthquake Geotechnical Engineering" National Conference on Civil, Architectural and Urban Planning in the Countries of the Islamic World, Tabriz University, Tabriz, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Sareh Bahreini (2018) "Investigating the seismic performance of the retaining wall under harmonic load " 5th congress of civil engineering, architecture and urban development, Shahid Beheshti University, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Hesamoddin Ataeeian Dehkordi (2017), "The Effects of Soil Constitutive Model on Deformations of Deep Excavations" 8th International Conference on Structural Engineering and Construction Management, Kandy, Sri Lanka.
- **Saeed Ghaffarpour Jahromi** and Reza Fathian (2017), "Physical Modeling of Piles under Dynamic Load", the 2nd International and 6th National Conference on Modern Materials and Structures in Civil Engineering, Yazd University, Yazd, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Mohammadmojtab Kahe (2017) "Evaluation the Shear Wave Velocity in Each Layer of the Soil", 4th International Conference on Advanced Technology in Civil Engineering, Architecture & Urban Planning, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Saeed Nazari, (2017) "Reliability Analysis and Indeterminate Degree of Internal Stability of Reinforced Retaining Walls" 3rd International Conference on Architecture, Civil Engineering and Urbanism at the Beginning of the Third Millennium, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Ali Namaii Kahal (2017) "One-Dimensional Consolidation of Fine-Grained Soils under Dynamic Load with Long Period" International Conference on Civil, Architecture and Urban Planning of Contemporary Iran, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Rebin Ahmadi (2017) "Reliability Analysis of the Weighed Walls using the Monte Carlo Method" International Conference on Civil, Architecture and Urban Planning of Contemporary Iran, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Ashkan Noori (2017) "Effect of Environmental pH on Volumetric and Mechanical Properties of Cement Stabilized Soils" 4th National Conference on Applied Research in Civil Engineering, Architecture and Urban Management; KN Toosi University, Tehran, Iran. (in Persian)

- **Saeed Ghaffarpour Jahromi** and Mohammadhasan Bakhtiari (2017) "Physical Modeling to Investigate the Effects of Tunnel Digging on Pile Bearing in Centrifuges Test" Third Regional Conference and 12th Iranian National Tunnel Conference, Iran Tunnel Association, Tehran, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Mohammad Azad Mohamadi (2017) "Use of Image Processing Technique to Study the Internal Erosion of Clays" Third International Conference on Sustainable Development in Roads with an Environmental Conservation Approach, Shiraz University, Shiraz, Iran.
- **Saeed Ghaffarpour Jahromi** and Sian Hajilar (2017) "Application of Centrifuge Test in Geotechnical Engineering and Determination of Soil Dynamic Characteristics in Design of Structural Protection" Third National Conference on Passive Defense in Civil, Architectural and Sustainable Urban Development, Shiraz University, Shiraz, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Farzaneh Malekian Sabet, (2017) "Seismic Analysis of Slopes", 4th National Conference on Recent Achievements in Civil Engineering, Architecture and Urban Planning, Tehran, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Pouya Abdollahzade (2017) "Reducing Swelling Potential of clays Nano Materials" The First National Conference on Road and Transportation Engineering, University of Guilan, Rasht, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Kave Yazdani (2017) "Use of Nano-Materials to Reduce Compaction Energy of Soil" The First National Conference on Road and Transportation Engineering, University of Guilan, Rasht, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Masoud Rezaii Siabidi (2017) "Investigating the Behavior of Concrete Retaining Walls Using Shaking Table" First National Conference on Mechanical Engineering, Civil Engineering and Advanced Technology, Esfarayen University, Esfarayen, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Amir Esmaeeli (2017) "Introducing a Simple Method for Predicting Liquefaction Considering the Wave and Duration of earthquake" First National Conference on New Approaches in Civil Engineering, Architecture and Urbanism, Islamic Azad University, Khorramabad, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Iman Bagheri (2017) "Reliability the Seismic Design of Retaining Wall with LRFD Method" 7th National Conference on Earthquake and Structures, Shahid Bahonar University, Kerman, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Mehdi Akrami (2017) "Effect of Reinforcement to Reduce of Permanent Settlement of Machine Foundations" National Conference on Applied Research in Civil Engineering, Architecture and Urban Planning, Islamic Azad University, Tabriz, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Milad Asadzade (2017) "Determine the Dynamic Properties of Soil Using Shaking Table" 10th National Congress on Civil Engineering, Sharif University of Technology, Tehran, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Ruhollah Izanloo (2017) "Using Genetic Algorithm to Estimate the Dynamic Bearing Capacity of Prefabricated Steel and Concrete Piles" National Conference on Modern Research in Science and Engineering, Qazvin, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Fatemeh Joneydi Jaafari (2017) "Estimated Permanent Displacement of the Retaining Wall under Seismic Load" Third National Conference on Human, Architecture, Civil and Urban, Tabriz University, Tabriz, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Mina Mohseni Nejad, (2017) "Influence Leachate Contaminated with Lead on Clay Behavior and its Structure" Second National Conference on Sustainable Development in Energy, Water and Environment Engineering Systems, Iran University of Science and Technology, Tehran, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Arash Aminaii, (2017) "Seismic Bearing Capacity of Foundation Made on Rock" First National Conference on Engineering and Technology, University of Science and Culture, Tehran, Iran (in Persian).

- **Saeed Ghaffarpour Jahromi** and Hamid Nosrati, (2017) "Application of Wavelet Theory in Geotechnical Engineering" The 2nd National Conference on Recent Findings in Civil, Architectural and Urban Planning Islamic Azad University, Gorgan, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Mehran Lorestani, (2016) "Evaluation of the Seismic Displacement of Retained Soil Walls under Earthquake Load" 4th National Conference on Applied Research in Civil Engineering, Architecture and Urban Management; KN Toosi University, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Yasaman Dehghan Bonadaki (2016) "Sustainability Analysis and Deformation of Arched Shape Excavation in urban Area" 4th International Congress on Civil Engineering, Architecture and Urban Development, Shahid Beheshti University, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Amin Moradi (2016) "Investigation Factors Affecting the Displacement and Rotation of Retaining Walls during Earthquake" 5th International Conference on Geotechnical Engineering and Soil Mechanics, Iranian Geotechnical Society, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Mahya Vahedi (2016) "Introduction an Analytical Method for One-Dimensional Consolidation of Semi-Saturated Soils under Dynamic Load" 5th International Conference on Geotechnical Engineering and Soil Mechanics, Iranian Geotechnical Society, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Zahra Yazdi Ravandi (2016) "Investigating the Effect of Nanosilica on the Stabilization and Improvement of Clay" 5th International Conference on Geotechnical Engineering and Soil Mechanics, Iranian Geotechnical Society, Tehran, Iran. (in Persian)
- Saeedeh Mohammadi and **Saeed Ghaffarpour Jahromi**, (2016) "Seismic Site Effect of Tunnel" 5th International Conference on Geotechnical Engineering and Soil Mechanics, Iranian Geotechnical Society, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Hussein Raafat (2016) "Numerical Study of Factors Affecting the Design of Soil-Steel Structures" the 1st International and 5th National Conference on Modern Materials and Structures in Civil Engineering, Amirkabir University of Technology, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Ahmad Miri, (2016) "Comparison Borehole Drilling and Weak Vibration Methods to Determine of Shear Wave Velocity of the Site" 2nd International and 4th National Conference on Architecture, Civil Engineering and Urban Environment, Hamadan, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Parastoo Tajik, (2016) "Reliability Analysis on Bearing Capacity of Piles with Different Rupture Methods" 2nd International Conference on Civil Engineering, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Hashem Ezzati, (2016) "Investigation of Foundation of Coastal Wind Turbines" 2nd International Conference on Civil Engineering, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi**, Hamid Zahedi and Alireza Hatami (2016) "Effect of Aluminum Nano Oxide on Physical and Mechanical Properties of Cement Stabilized Clay" International Congress on Innovation in Engineering and Technology Development, Tabriz University, Tabriz, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Sareh Bahreini (2016) "Propagation of Torsional Surface Waves in Porous Media" 2nd International Conference on New Development Achievements in Civil Engineering, Architecture and Urban Management, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Kazem Alishah, (2016) "Probabilistic Analysis of Seismic Stability of Slopes" International Conference on Advanced Research in Engineering Sciences, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Yasaman Dehghan Bonadaki, (2016) "Problems in Geotechnical Engineering and Ant Colony Optimization" 3rd National Conference on Applied Research in Civil Engineering, Architecture and Urban Management; KN Toosi University, Tehran, Iran. (in Persian)

- **Saeed Ghaffarpour Jahromi**, Hamid Zahedi and Alireza Hatami, (2016) "Laboratory Study of the Effect of Nano-Silica on Shear Strength of Cement Stabilized Soil Composition" 2nd International Conference and 3rd National Conference on the Application of Modern Technologies in Engineering Sciences, Torbat Heydarieh University, Torbat Heydarieh, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Maryam Hoodin Shad (2016) "Using Wavelet Analysis to Evaluate Surface Waves from Site Experiment" First International Conference on Architecture, Urbanism, Civil, Art and the Environment; Future Horizons, A Look at the Past, Research Training Center, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Mohsen Mirzaii (2016) "Evaluation Use of Geophone in Protective Geotechnical Structures under Surface and Deep Explosions" The First National Conference Application of Composites in Manufacturing Industry, SRTTU University, Tehran, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Fatemeh Bodaghi (2016) "Investigation of Factors Affecting the Analysis of the Sustainability of Slopes Based on Graph Theory" 9th National Congress on Civil Engineering, Ferdowsi University of Mashhad, Mashhad, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi**, Saeed Ghorban Beygi and Mojtaba Yaaghoobi, (2016) "Numerical Evaluation of Bearing Capacity of Stone-Columns" First National Conference on Numerical Methods in Civil Engineering, Islamic Azad University, Mashhad, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Mahmoud Bayat, (2016) "Evaluation of Wave Propagation in Porous Media using Fuzzy Logic and Numerical Method" Second National Conference on Structural Engineering, Amirkabir University of Technology, Tehran, Iran (in Persian).
- Parinaz Arashnia, Farzad Hatami and **Saeed Ghaffarpour Jahromi** (2015) "INVESTIGATION BEHAVIOR OF BRIDGE'S DECK WITH "I" SECTION FIBER REINFORCED POLYMER BEAMS" 4th International Conference on Bridges (4IBC2015), Amirkabir University of Technology, Tehran, Iran.
- **Saeed Ghaffarpour Jahromi** and Amirhosein Sanaati (2015) "Investigating the Seismic Behavior of Multilayer Reinforced Retaining Wall" Second International Congress on Civil Engineering, Architecture and Urban Development, Shahid Beheshti University, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Ali Hadiani Asl (2015) "Surface Topography Effect on Riley Wave Propagation" Second International Congress on Civil Engineering, Architecture and Urban Development, Shahid Beheshti University, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Zargham PourOstever, (2015) "Assessment of Tunnel Vulnerability under Explosive Load" International Conference on Modern Research in Civil, Architecture and Urban Planning, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Hesam Ataiean Dehkordi (2015), "Basis of Analyzing and Designing the Retaining Wall Reinforced with Geotextile", Second International Conference on Geotechnical and Seismic Engineering, Tabriz, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Fatemeh Bodaghi (2015) "New Method for Stabilizing of Problematic Soil" Second International Conference on Geotechnical and Seismic Engineering, Tabriz, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Yasaman Dehghan Bonadaki, (2015) "Determining the lateral Bearing Capacity of the Group of piles in problematic soils" International Conference on Civil Engineering, Architecture and Urban Infrastructure, Tabriz, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Ehsan Esmaeeli, (2015) "Modeling the Effects of the Explosion in Tunnels", International Conference on Architecture, Civil and Urban Planning in the Third Millennium, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Sepideh Zolfaghar, (2015) "Investigation of Rotational Rotation of Gravity Retaining Wall by Pseudo-Dynamic Method" International Conference on New Achievements in Civil, Architectural, Environmental and Urban Management, Tehran, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Mojtaba Ghasemi, (2015) "Dynamic Analysis of Non-Verb Pile in liquefaction", International Conference on Architecture, Civil and Urban Planning in the Third Millennium, Tabriz, Iran. (in Persian)

- **Saeed Ghaffarpour Jahromi** and Shima Sheybani Aghdam, (2015) "Geosynthetics and Application on Geo-cell in Geotechnical Engineering" International Conference on Human, Architecture, Civil and Urban, Tabriz, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Saeedeh Mohammadi, (2015) "Investigation the Effect of seismic Response of Site According to Surface Layer and Bedrock Depth", 10th International Congress on Civil Engineering, Tabriz University, Tabriz, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Mohammadreza Gholipour, (2015) "Slop Stability Analysis using the Combination of Multiple-Dimensional Method and Graph Theory" Annual Conference on Civil Engineering, Urban Architecture and Sustainable Environment, Tehran University, Tehran, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Alireza Fathi (2015) "Evaluation of Liquefaction Potential Based on CPT Test Using Genetic Algorithm" First National Conference on Earth Sciences and Urban Development, Tabriz University, Tabriz, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Farshid Ghasemitabar (2015) "Seismic Movement of Retaining Wall", First National Conference on Civil and Environmental Engineering, Islamic Azad University, Qazvin, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Hesamadin Ataeiean Dehkordi, (2015) "Seismic Analysis of Stability and Deformation of Excavation in Urban Area" First National Conference on Civil and Environmental Engineering, Islamic Azad University, Qazvin, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Husein Ahmadian (2015) "Application of Adaptive Neuro-Fuzzy Network to Predict Liquefaction" The first National Conference on use of Modern Technology to Design, Calculation and Implementation in Civil Engineering, Architecture and Urbanization, Islamic Azad University, Maragheh, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Behnam Kiani, (2015), "Investigating the Bearing Capacity and Settlement of Footing Foundation under Cyclic Load", 2nd National Conference on Civil Engineering, University of Malayer, Malayer, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Mahmoud Bayat (2015) "An Overview of Methods for Simplifying Engineering Issues in Soil Dynamics" 2nd National Conference on Civil Engineering, University of Malayer, Malayer, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Sara Darsi (2015) "Application of Genetic Algorithm and Neural Networks in Estimation of Bearing Capacity of Driving Pile Using CPT and CPTu Test Data" 3rd National Conference on Advanced Materials and Technologies in Civil Engineering, Semnan University, Semnan, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Shima Sheybani Aghdam, (2015), "Numerical Study of Load Bearing Capacity of Soil reinforcement with Geo-cell", The 9th Symposium on Science and Technology Advances, Mashhad, Iran (in Persian).
- Amir Ahmadnejad Zarnaghi, **Saeed Ghaffarpour Jahromi** and Amir Tarighat (2015) "Investigating the Effect of Soil-Structure Interaction on Concrete Frames under Earthquake" Second National Conference on Applied Research in Civil Engineering, Architecture and Urban Management, Academic and Applied University, Tehran, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Majid Delkhah (2015) "Effect of Total Pressure on the Dynamic Soil Shear Modulus" Second National Conference on Applied Research in Civil Engineering, Architecture and Urban Management, Academic and Applied University, Tehran, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Vafa Rasuli, (2015) "Estimation of Soil Liquefaction Potential Estimation Methods Using the Results of the SPT and CPT Experiments", Second National Conference on Applied Research in Civil Engineering, Architecture and Urban Management, Academic and Applied University, Tehran, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Sama Karkhaneh, (2014) "Investigation of Site Response to Multi-Dimensional Components of Earthquake Acceleration" 2nd International Congress on Architectural, Architectural and Urban Development, Tabriz, Iran. (in Persian)
- **Saeed Ghaffarpour Jahromi** and Abdullah Husseini (2014) "Optimization of Differential Meeting of Ghaem Pilfer Group Using Genetic Algorithm", 2nd International Congress on Architectural, Architecture and Urban Development, Islamic Art University, Tabriz, Iran. (in Persian)

- **Saeed Ghaffarpour Jahromi** and Hamed Shojaee, (2014) "Sustainability Analysis and Determination of Possible Rupture in Soil Slopes by Ant Colony Optimization" Third National Conference on Critical Management, State Crisis Management Organization, Tehran, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Farzad Shahbazifard (2014) "Application of Neural Network Method to Estimate Soil Electrical Resistance using Thermal Coefficient" The first National Conference on Sustainable Development in Construction with an Environmental Conservation Approach, Shiraz University of Technology, Shiraz, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Hasan Ahmadi, (2014) "Investigating Effective Factors on Foundations Settlement under Dynamic Load by Energy Loss" 6th International Conference on Earthquake and Structures, Kerman, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Alireza Biranvand, (2014) "Numerical Study of Pile Behavior in Clay Soil under Earthquake Load" Second National Conference on Soil Mechanics and Foundation Engineering, Qom Industrial University, Qom, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi**, Alireza Biranvand and Mohammadali Arjomand, (2014) "Dynamic Interaction Analysis of Pile-Soil", Second National Conference on Soil Mechanics and Foundation Engineering, Qom Industrial University, Qom, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Fatemeh Bodaghi (2014) "Assessment Stabilization Process of Problematic Soils with Traditional Materials" Second National Conference on Soil Mechanics and Foundation Engineering, Qom Industrial University, Qom, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Sama Kharkhane, (2014) "Local Topographic Effects on Site Seismic Response" Second National Conference on Soil Mechanics and Foundation Engineering, Qom Industrial University, Qom, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Abolfazl Sohrabi (2014) "The effect of Vibration Frequency on the Shaking Table on the Seismic Response of Reinforcement Retaining Slop" The first National Conference on Modern Methods in Civil and Environmental Engineering, Islamic Azad University, Shabestar, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi**, Saeed Ghorban Beygi and Mojtaba Yaaghoobi (2014) "Investigation of Failure Mechanism in Grounds improvement by Group Stone column" First National Conference on Soil Mechanics and Engineering, SRTTU University, Tehran, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Saeedeh Mohammadi Baroogh, (2014) "Effects of Mohr-Coulomb Parameters on Seismic Site Response" First National Conference on Soil Mechanics and Engineering, SRTTU University, Tehran, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Mina Birjandi (2014) "Investigation of Seismic behavior of the connection at the Pile head" National Conference on Civil Engineering Recent Findings, Islamic Azad University, Yasuj, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Arefe Sadat Nazari (2014) "Use of Parallel Seismic Wave Test to Determine Length of Piles" National Conference on Civil Engineering Recent Findings, Islamic Azad University, Yasuj, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Parinaz Arashnia, (2014) "Modern Technologies of Building" National Conference on Modern Materials and Structures in Engineering, Shiraz., Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Abdullah Huseini, (2014) "Optimization of Pile Bearing Capacity Using Genetic Algorithm" National Conference on Modern Materials and Structures in Engineering, Shiraz., Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Ali Saberi (2014) "Validation of Numerical Method and Finite Element to Estimate Instantaneous Settlement of Foundations" Civil Engineering, Architecture and Sustainable Urban Management Conference, Gorgan, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Ali Saberi (2014) "Nail Optimization in Excavation using Genetic Algorithm" First National Conference on Architecture, Civil and Urban Environment, Hamadan, Iran (in Persian).



- **Saeed Ghaffarpour Jahromi** and Masoud Maghami (2014) "The Use of Geo-Foam as New Materials in Retaining wall" 5th National Conference on Earthquake and Structures, Kerman, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Zeinab Mohammadi (2014) "Numerical Investigation of Response of Individual Pile under Horizontal Static and Cyclic loading" 8th National Congress in Civil Engineering, Noushivani Industrial University, Babol, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Alireza Biranvand (2013) "Numerical Study of Pile Behavior under Dynamic Earthquake Loading" First National Conference on Geotechnical Engineering of Iran, University of Mohaghegh Ardabili, Ardabil, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Mehdi Rahnama (2013) "Investigating the Liquefaction Potential and Dynamic Parameters of Soil Based on the Results of column Resonance and Triaxial Cycle Test" First National Conference on Geotechnical Engineering of Iran, University of Mohaghegh Ardabili, Ardabil, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Mohammad Rasuli (2013) "Use of Dynamic Cone Penetrometer Experiment to Determine Dynamic parameters of Soil" 7th National Congress in Civil Engineering, University of Sistan and Baluchestan, Zahedan, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi** and Ali Shah Javan, (2013), "Effect of Nail Geometry on Excavation Stability", 4th National Conference on Earthquake and Structures, Kerman, Iran (in Persian).
- **Saeed Ghaffarpour Jahromi**, H. Zhang (2012) "Effect of Different Nanoclay on the Rheological Behavior of Bitumen" 10th International Congress on Advances in Civil Engineering (ACE2012), Middle East Technical University, Ankara, Turkey
- **Saeed Ghaffarpour Jahromi** (2012) "Simple Method to Create Master Curves for Stiffness of Asphalt Mixes" International Conference on Civil Engineering and Materials (ICCEM 2012), Paris, France.
- **Saeed Ghaffarpour Jahromi**, H. Zhang (2012) "Effect of Various Nanoclay on the Rheological Behavior of Bitumen" 9th International Congress on Civil Engineering, Esfahan, Iran.
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- **Saeed Ghaffarpour Jahromi**, (2011) "Effect of Nanoclay and Calcium Carbonate on the Engineering Behavior of Asphalt Mixtures" 6th National Congress in Civil Engineering, Semnan University, Semnan, Iran (in Persian), Iran (in Persian).
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- Construction and Building Materials
- International Journal of Pavement Engineering
- International Journal of Pavement Research and Technology
- Structural Engineering and Mechanics, An International Journal
- Journal of Earthquake Engineering
- Journal of Testing and Evaluation (ASTM International)
- Engineering Science and Technology, an International Journal
- Iranian Journal of Science and Technology, Transactions of Civil Engineering
- Earthquake Engineering and Engineering Vibration
- Structural Engineering and Mechanics
- Applied Clay Science
- Journal of Computational & Applied Research in Mechanical Engineering
- Sharif Journal of science and Technology-Civil Engineering
- Journal of Ferdowsi Civil Engineering
- The Amirkabir Journal of Civil Engineering
- The Modares Civil Engineering Journal
- Journal of Solid and Fluid Mechanics
- Journal of Analytical and Numerical Methods in Mining Engineering
- Tunneling and Underground Space Engineering Journal
- Journal of Structural and Construction Engineering
- Journal of Sustainable Architecture and Urban Design
- Journal of Technology of Education

- Journal of ASAS (Scientific Journal), Iranian Society of Civil Engineering
- Journal of Experimental Research in Civil Engineering
- Referee of more than 15 National and International Conference