

Sina Hajati Ziabari

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Personal Profile:

- o Date of Birth: 21 September 1988.*
- o Martial Status: Married*
- o Citizenship: Iranian*
- o Languages: Persian & English*

Interests and Sports:

- o Soccer, Hiking, and Swimming.*
- o Karate-do*

- o Travelling & Camping.*

Background:

Computer Skills:

- 1. Application Softwares: ABAQUS, FLAC 2 & 3D, ANSYS, UDEC, PLAXIS 2 & 3D, ETABS, SAFE, SAP, AUTOCAD, MATLAB, MS Office.*
- 2. Programming Languages: Turbo Pascal, Visual Fortran and MATLAB*
- 3. Operating Systems: MS DOS, MS Windows*

Professional Organizations:

- o Iran's National Elites Foundation (INEF)*
- o Iranian Geotechnical Society (IGS), Tehran, Iran.*
- o Iranian Committee of Earth Dams (IRCOLD), Tehran, Iran.*
- o Construction Engineering Disciplinary Organization, Guilan, Iran.*

Research Interests:

- o Probability and Statistics in Soil Mechanics*
- o Stochastic Stability and Deformation analysis in Soil Mechanics*
- o Earthquake Engineering in Geotechnics*
- o Nonconventional Materials*
- o Retaining Structures*
- o Geosynthetics and Soil Reinforcement*
- o Shaking Table Experiments in Geotechnics*
- o Centrifuge Modelling in Geotechnical Engineering*
- o Suirveillance Monitoring in Soil and Rockfill Structures*
- o Neural Network in Geotechnical Engineering*

o Numerical Methods in Geotechnical Engineering (FEM & FDM)
o Derivation of Constitutive Laws in Modeling Wide Variety Behaviors of Geomechanic Materials (Soil and Rock)

Experience

✓ Assistant professor

- **Islamic Azad university 2011- present**
- **University of Science and Culture 2015-present**
- **Kadous University 2011-present**

Courses in This Semester

Nonlinear Finite Elements Method (MSc)

Continuum Mechanics (MSc)

Finite Elements Method (MSc)

✓ Chairman of the Board

Company Name: ATP (azma tahkim pardis)

Dates Employed Sep 2014 – Present

Location Rasht, Iran

ATP, soil improvement Services Company was founded in 2000s decade aiming to provide geotechnical study and construction services to the engineering society (of Iran). ATP is exceptionally honored to provide geotechnical engineering services in the two fields of consulting and construction conducting design and construction of various projects with respect to the knowledge and experience of the managers which is the most valuable property of the company, utilizing the outstanding and highly skilled geotechnical engineers by means of a complete collection of construction machinery and equipment, with the background of successfully conducted more than 150 various soil improvement projects and geotechnical studies.

Most Recent Publications ↴

- Miralami, SM. and Hajati Ziabari, S., (2019) Investigation of adhesive modeling on torsional behavior of reinforced concrete beam with FRP, *3rd International Conference on Applied Researches in Structural Engineering and Construction Management, Sharif University of Technology in Tehran.*
- Hajati Ziabari, S. and Miralami, SM., (2019) Numerical Evaluation of Seismic Behavior of Surface Sandbags Based on Prone to Liquefaction, 11th National Congress of Civil Engineering, Shiraz, Shiraz University.
- *Ziabari SH, Ghafoori M, Moghaddas NH, Lashkaripour GR (2017) Liquefaction potential evaluation and risk assessment of existing structures: A case study in Astaneh-ye Ashrafiyeh City, Iran. Eurasia J Biosci 11: 67-77.*

- Hajati, S., Ghafoori, M., Hafezi Moghaddas, N., Lashkaripour, G.R., (2018) Investigation the Relationship between the Effect of River Flow on Physical Properties of Soil Particles in Simulation of Liquefaction Phenomenon, 3rd Iranian National Geotechnical Engineering Conference, Tehran, Iranian Geotechnical Society.
- Hajati Ziabari, S., Ghafoori, M., Hafezi Moghaddas, N. and Lashkaripour, G.R., 2017, *A Study on Potential of liquefaction of sediments in Astaneh Ashrafieh using microscopic and dynamic properties and its effect on the sustainability of the city and the urban crisis*, *Urban Management No.46*
- Hajati, S., Malekshahi, M., Ghafoori, M., Hafezi Moghaddas, N., (2017) Investigation of the Liquefaction Potential of Astana Ashrafieh Sediments Using Microscopic and Dynamic Properties, Second International Conference on Research in Science and Engineering, Istanbul, Turkey.
- Malekshahi, M., Ghafoori, M., Hafezi Moghaddas, N., Hajati, S., (2016) Assessment of the Probability of Occurrence of Liquefaction in the Astana City of Guilan by Earthquake and Based on SPT Standard Impact Testing, Third National Congress of Modern Iranian Technologies, Tehran, Iran. Higher Mehr Arvand, Center for Sustainable Development Solutions.
- Hajati Ziabari, S., (2014) *The Application of Statistical Model to Predict Alluvium Permeability of Manjil City Based on Soil Grading Features*, *Adv. Environ. Biol.*, 8(11), 1307-1318
- Hajati Ziabari, S., Ghafoori, M., Hafezi Moghaddas, N. and Lashkaripour, G.R., 2014. *The Evaluation of Seismic Hazard of Rasht City Area, Using Probabilistic Methods And Its Effect on Environmental Issues*. *Indian Journal of Scientific Research*, 4.
- Ziabari, S.H., Ghafoori, M., Lashkaripour, G.R. and Moghaddas, N.H., 2014. *A Study on Karst Morphology Forms in Manjil Region of Gilan Province*. *Research Journal of Environmental and Earth Sciences*, 6(7), pp.364-369.
- Hajati Ziabari Sina, 2014, *Introduce Guilan Base Isolation As a first base Isolation in worldwide with FEM Modeling*, 6th Canadian GeoHazards Conference (GeoHazards 6)
- Hajati Ziabari Sina, 2014, *FEM Modeling of Machine foundation under Vertical dynamic load*, *International Civil Engineering & Architecture Symposium for Academicians 2014 (ICESA 2014)*.
- Hajati Sina, *New Method in Locating Landfill in a place that ground water table is Up with Finite Element Method*, Cambridge UK, from 1 – 3 September 2014
- Hajati Ziabari Sina , 2014, *Introduce Guilan Base Isolation As a first base Isolation in worldwide with FEM Modeling*, *International Civil Engineering & Architecture Symposium for Academicians 2014 (ICESA 2014)*.
- Hajati Ziabari Sina, Abdollahi Ali, 2013, *The displacement of soil slopes reinforced with soil Nailing under dynamic load* , *International Conference on Structural Engineering & Construction Management- ICSECM 2013*, Sri Lanka.
- Hajati Ziabari Sina, Abdollahzadeh Ata, Talakoubi Reza, 2013, *Mechanical Behavior of Anzali Sand Reinforced with Polypropylene Fibers*, *7th Int'l. Sym. on Adv. in Sci. and Tech. (7th SASTech)*, 7-8 March, 2013
- Sina Hajati Ziabari, 2012, *A Study on Karst Morphology Forms of Avishu Cave in Masal Region of Gilan Province*, *Karst Research journal*
- Hajati Ziabari Sina, 2010, *“The reasons of road accidents and the related techniques”*, *Engineering Conference in the Asian Region Conference and Australasian Structural Engineering Conference 2010, Transport & Road Safety*
- Hajati Ziabari Sina and Dr.R. Madandoust, 2012, *Technical and Economic Performance of Geomembrane Comparison with other Impermeable Systems*, *Guilan Science and Research journal*, 2011
- Hajati Ziabari Sina, 2011, *Advantage Xypex Crystalline Technology For Waterproofing*, *1st International Conference on Non osmosis Concretes-Rasht, Iran*