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Research interests

- Probabilistic analysis of geotechnical structures
- Database compiling, probabilistic and statistical analysis of geotechnical data
- Physical and numerical modeling of geotechnical structures
- Liquefaction potential assessment and seismic performance of foundations in liquefiable ground
- Seismic landslide hazard assessment
- Element cyclic and monotonic testing on soils
- Machine learning of geotechnical problems

Experiences

Academic

- Faculty Member, International Institute of earthquake engineering and seismology (IIEES), 2012 – Present, Tehran, Iran
- Faculty Member, Civil Engineering Department, Semnan University, 2009 – 2012, Semnan, Iran
- Adjunct Faculty Member, Guilan University (International Campus), 2009 – 2010, Guilan, Iran
- Visiting researcher, The University of Tokyo, 2009, Tokyo, Japan

Teaching

- Geotechnical Earthquake Engineering, Marine Geotechnics, Advanced Soil Mechanics, Soil Dynamics at International Institute of Earthquake Engineering and Seismology, 2012-present.
- Geotechnical Earthquake Engineering, Marine Geotechnics, Advanced Soil Mechanics, Soil Dynamics, FORTRAN Programming, Soil Mechanics, Engineering Geology, Mechanics Physics (Halliday) at Semnan University, 2009-2012.
- Marine Geotechnics, Geotechnical Site Investigation, Advanced Soil Mechanics at University of Guilan (International Campus), 2009-2010.
- Soil Mechanics and Foundation Engineering at International University of Chabahar, spring and summer 2008.
- Strength of Materials and Mechanical Physics at Iran University of Science and Technology, Behshahr Branch, 2006-2007.

Publications

Research project reports

- "Probabilistic evaluation of seismic vulnerability and displacement of earth slopes and retaining structures", International Institute of earthquake engineering and seismology (IIEES), 2015
- "Experimental and statistical investigation on cyclic behavior and liquefaction susceptibility of calcareous and silicate sands", International Institute of earthquake engineering and seismology (IIEES), 2015

- "Evaluation of landslide hazard for a historic landslide-prone area in Tehran's earthquake museum site", International Institute of earthquake engineering and seismology (IIEES), 2015
- "Development of a constitutive model based on bounding surface plasticity for fibrous fine-grained soil under cyclic loading", International Institute of earthquake engineering and seismology (IIEES), 2016
- "Seismic response of pile-raft foundation in liquefiable ground: a numerical study", International Institute of earthquake engineering and seismology (IIEES), 2018

Journal papers

- Jafarian Y., Miraei M. (2019), "SCALAR-AND VECTOR-VALUED FRAGILITY ANALYSES OF GRAVITY QUAY WALL ON LIQUEFIABLE SOIL: EXAMPLE OF KOBE PORT", International Journal of Geomechanics (ASCE), Vol. 17, Issue 11 (May 2019).
- Jafarian Y., Javdanian H., (2019), "DYNAMIC PROPERTIES OF CALCAREOUS SAND FROM THE PERSIAN GULF IN COMPARISON WITH SILICEOUS SANDS DATABASE", International Journal of Civil Engineering (2019). <https://doi.org/10.1007/s40999-019-00402-9>
- Jafarian Y., Lashgari A., Miraei M. (2018), "MULTIVARIATE FRAGILITY FUNCTIONS FOR SEISMIC LANDSLIDE HAZARD ASSESSMENT", Journal of Earthquake Engineering, 2018, <https://doi.org/10.1080/13632469.2018.1528909>.
- Jafarian Y., Javdanian H., Haddad A., (2018), "STRAIN-DEPENDENT DYNAMIC PROPERTIES OF BUSHEHR SILICEOUS-CARBONATE SAND: EXPERIMENTAL AND COMPARATIVE STUDY", Soil Dynamics and Earthquake Engineering 107, Pages 339-349
- Mehrzad B., Jafarian Y., Lee C. J., Haddad A. (2018), "CENTRIFUGE STUDY INTO THE EFFECT OF LIQUEFACTION EXTENT ON PERMANENT SETTLEMENT AND SEISMIC RESPONSE OF SHALLOW FOUNDATIONS", Soils and Foundations, Volume 58, Issue 1, February 2018, Pages 228-240
- Jafarian Y., Javdanian H., Haddad A., (2018), "DYNAMIC PROPERTIES OF CALCAREOUS AND SILICEOUS SANDS UNDER ISOTROPIC AND ANISOTROPIC STRESS CONDITIONS", Soils and Foundations, Volume 58, Issue 1, February 2018, Pages 172–184.
- Lashgari A., Jafarian Y., Haddad A., (2018), "PREDICTIVE MODEL FOR SEISMIC SLIDING DISPLACEMENT OF SLOPES BASED ON A COUPLED STICK-SLIP-ROTATION APPROACH", Engineering Geology, 244 (2018) 25–40
- Javdanian H., Jafarian Y., (2018), "DYNAMIC SHEAR STIFFNESS AND DAMPING RATIO OF MARINE CALCAREOUS AND SILICEOUS SANDS", Geo-Marine Letters, August 2018, Volume 38, Issue 4, pp 315–322
- Salamatpoor S., Jafarian Y., Hajiannia A. (2018), "BEARING CAPACITY AND UNEVEN SETTLEMENT OF CONSECUTIVELY CONSTRUCTED ADJACENT FOOTINGS RESTED ON SATURATED SAND USING MODEL TESTS", International Journal of Civil Engineering, 2018, <https://doi.org/10.1007/s40999-018-0295-y>
- Salamatpoor S., Jafarian Y., Hajiannia A. (2018), "IMPROVEMENT OF SHALLOW FOUNDATIONS RESTED ON SATURATED LOOSE SAND BY ZEOLITE-CEMENT MIXTURE: A LABORATORY STUDY", International Journal of Science and Technology (Scientia Iranica), 2018, DOI: 10.24200/SCI.2018.50153.1567
- Salamatpoor S., Jafarian Y., Hajiannia A. (2018), "PHYSICAL AND MECHANICAL PROPERTIES OF SAND STABILIZED BY CEMENT AND NATURAL ZEOLITE", The European Physical Journal Plus, 2018, 133: 205
- Dejaloud H., Jafarian Y. (2017), "A MICROMECHANICAL-BASED CONSTITUTIVE MODEL FOR FIBROUS FINE-GRAINED COMPOSITE SOILS", International Journal of Plasticity, Volume 89, February 2017, Pages 150–172
- Jafarian Y., Lashgari A. (2017), "SEISMIC SLIDING ANALYSIS OF SANDY SLOPES SUBJECTED TO PORE WATER PRESSURE BUILDUP", International Journal of Geomechanics (ASCE), Vol. 17, Issue 11 (November 2017).
- Jafarian Y., Mehrzad B., Lee C. J., Haddad A. (2017), "CENTRIFUGE MODELING OF SEISMIC FOUNDATION-SOIL-FOUNDATION INTERACTION ON LIQUEFIABLE SAND", Soil Dynamics and Earthquake Engineering, Volume 97, June 2017, Pages 184-204
- Jafarian Y., Lashgari A. (2017), "Closure to "SIMPLIFIED PROCEDURE FOR COUPLED SEISMIC SLIDING MOVEMENT OF SLOPES USING DISPLACEMENT-BASED CRITICAL ACCELERATION" BY YASER JAFARIAN AND ALI LASHGARI", International Journal of Geomechanics (ASCE), Volume 17, Issue 9 , September 2017

- Mirhaji V., Jafarian Y., Baziar M. H., Jafari M. K. (2017), "SEISMIC IN-SOIL ISOLATION OF SOLID WASTE LANDFILL USING GEOSYNTHETIC LINERS: SHAKING TABLE MODELING OF TEHRAN LANDFILL", *International Journal of Civil Engineering*, June 2017, doi:10.1007/s40999-017-0232-5
- Jafarian Y., Haddad A., Mehrzad B. (2017), "LOAD-SETTLEMENT MECHANISM OF SHALLOW FOUNDATIONS RESTED ON SATURATED SAND WITH UPWARD SEEPAGE", *International Journal of Geomechanics (ASCE)*, Vol. 17, Issue 3 (March 2017).
- Jafarian Y., Lashgari A. (2016), "SIMPLIFIED PROCEDURE FOR COUPLED SEISMIC SLIDING MOVEMENT OF SLOPES USING DISPLACEMENT-BASED CRITICAL ACCELERATION", *International Journal of Geomechanics (ASCE)*, Aug 2016, Vol. 16, No. 4.
- Shahnazari, H., Jafarian, Y., Tutunchian, M., and Rezvani, R. (2016). "UNDRAINED CYCLIC AND MONOTONIC BEHAVIOR OF HORMUZ CALCAREOUS SAND USING HOLLOW CYLINDER SIMPLE SHEAR TESTS" *International Journal of Civil Engineering*, June 2016, Volume 14, Issue 4, pp 209–219
- Shahnazari, H., Jafarian, Y., Tutunchian, M., and Rezvani, R. (2016). "PROBABILISTIC ASSESSMENT OF LIQUEFACTION OCCURRENCE IN CALCAREOUS FILL MATERIALS OF KAWAIHAE HARBOR, HAWAII" *International Journal of Geomechanics (ASCE)*, Volume 16, Issue 6, December 2016
- Mehrzad B., Haddad A., Jafarian Y. (2016), "CENTRIFUGE AND NUMERICAL MODELS TO INVESTIGATE LIQUEFACTION-INDUCED RESPONSE OF SHALLOW FOUNDATIONS WITH DIFFERENT CONTACT PRESSURES", *International Journal of Civil Engineering*, March 2016, Volume 14, Issue 2, pp 117-131
- Jafarian Y., Vakili R., Sadeghi Abdollahi A., Baziar M.H. (2014), "SIMPLIFIED SOIL LIQUEFACTION ASSESSMENT BASED ON CUMULATIVE KINETIC ENERGY DENSITY: ATTENUATION LAW AND PROBABILISTIC ANALYSIS", *International Journal of Geomechanics (ASCE)*, Vol. 14, No. 2, April 1, 2014.
- Jafarian Y., Ghorbani A., Ahmadi O., (2014), "SIMPLIFIED DYNAMIC ANALYSIS TO EVALUATE LIQUEFACTION-INDUCED LATERAL DEFORMATION OF EARTH SLOPES: A COMPUTATIONAL FLUID DYNAMICS APPROACH", *Earthquake Engineering and Engineering Vibrations*, September 2014, Volume 13, Issue 3, pp 555–568.
- Jafarian Y., Ghorbani A., Salamatpoor, S., Salamatpoor Si., (2013), "MONOTONIC TRIAXIAL EXPERIMENTS TO EVALUATE STEADY-STATE AND LIQUEFACTION SUSCEPTIBILITY OF BABOLSAR SAND", *Journal of Zhejiang University Science A (Appl Phys & Eng)* 2013 14(10):739-750.
- Jafarian Y., Vakili R., Sadeghi Abdollahi A., (2013), "PREDICTION OF CYCLIC RESISTANCE RATIO FOR SILTY SANDS AND ITS APPLICATIONS IN THE SIMPLIFIED LIQUEFACTION ANALYSIS", *Computers and Geotechnics* 52 (2013) 54–62.
- Jafarian Y., Towhata I., Baziar M.H., Noorzad A., and Bahmanpour A. (2012), "STRAIN ENERGY BASED EVALUATION OF LIQUEFACTION AND RESIDUAL PORE WATER PRESSURE IN SANDS USING CYCLIC TORSIONAL SHEAR EXPERIMENTS", *Soil Dynamics and Earthquake Engineering*, 35 (2012) 13–28.
- Ghorbani A., Jafarian Y., Maghsoudi M. S., (2012), "ESTIMATING SHEAR WAVE VELOCITY OF SOIL DEPOSITS USING POLYNOMIAL NEURAL NETWORKS: APPLICATION TO LIQUEFACTION", *Computers & Geosciences*, In Press, Accepted Manuscript, Mar 2012, 44 (2012) 86–94.
- Baziar M.H., Rezaei Pour H., Jafarian Y. (2012), DECOUPLED SOLUTION FOR SEISMIC PERMANENT DISPLACEMENT OF EARTH SLOPES USING DEFORMATION-DEPENDENT YIELD ACCELERATION, *Journal of Earthquake Engineering*, 16:917–936, 2012.
- Jafarian Y., Sadeghi Abdollahi A., Vakili R., Baziar M.H., Noorzad A. (2011), "ON THE EFFICIENCY AND PREDICTABILITY OF STRAIN ENERGY FOR THE EVALUATION OF LIQUEFACTION POTENTIAL: A NUMERICAL STUDY", *Computers and Geotechnics* 38 (2011) 800–808.
- Baziar M. H., Jafarian Y., Shahnazari H., Movahed V., Tutunchian M. A. (2011), "PREDICTION OF STRAIN ENERGY-BASED LIQUEFACTION RESISTANCE OF SAND-SILT MIXTURES: AN EVOLUTIONARY APPROACH", *Computers & Geosciences*, 37 (2011) 1883–1893.
- Jafarian Y., Baziar M.H., Rezaei Pour H., Javadi A.A. (2011), "PROBABILISTIC EVALUATION OF SEISMIC LIQUEFACTION POTENTIAL IN FIELD CONDITIONS; A KINETIC ENERGY APPROACH", *Engineering Computations: International Journal for Computer-Aided Engineering and Software* Vol. 28 No. 6, pp. 675-700
- Jafarian Y., Sadeghi Abdollahi A., Vakili R., Baziar M. H. (2010), "PROBABILISTIC CORRELATION BETWEEN LABORATORY AND FIELD LIQUEFACTION POTENTIALS USING RELATIVE STATE PARAMETER INDEX (r)", *Soil Dynamics and Earthquake Engineering*, 30 (10), 1061-1072.
- Jafarian Y., Kermani E., and Baziar M. H. (2010), "EMPIRICAL PREDICTIVE MODEL FOR THE v_{max}/a_{max} RATIO OF STRONG GROUND MOTIONS USING GENETIC PROGRAMMING", *Computers & Geosciences*, 36 (2010) 1523–1531.

- Jafarian Y., Alielahi H., Sadeghi Abdollahi A., Vakili R., (2010). "SEISMIC NUMERICAL SIMULATION OF BREAKWATER ON A LIQUEFIABLE LAYER: IRAN LNG PORT", *Electronic Journal of Geotechnical Engineering*, Vol. 13.
- Kermani E., and Jafarian Y., Baziar M. H. (2009), "NEW PREDICTIVE MODELS FOR THE v_{\max}/a_{\max} RATIO OF STRONG GROUND MOTIONS USING GENETIC PROGRAMMING", *International Journal of Civil Engineering*, 7 (4) 236–247.
- Vakili R., Sadeghi Abdollahi A., Jafarian Y., Baziar M. H., (2009). "EVALUATING CONSERVATISM OF SPT-BASED SIMPLIFIED LIQUEFACTION PROCEDURES USING LABORATORY AND FIELD EVIDENCES", *Electronic Journal of Geotechnical Engineering*, Vol. 14.
- Baziar M. H. and Jafarian Y. (2007), "ASSESSMENT OF LIQUEFACTION TRIGGERING USING STRAIN ENERGY CONCEPT AND ANN MODEL; CAPACITY ENERGY", *Soil Dynamics and Earthquake Engineering*, 27 (2007) 1056–1072.

Selected conference papers

- Jafarian Y., Miraei M., Lashgari A. and Shakeri P., "PROBABILISTIC EVALUATION OF DYNAMIC RESPONSE OF CAISSON QUAY WALLS IN SOIL IMPROVED BY FIBER: A NUMERICAL STUDY", 8th European Conference on Numerical Methods in Geotechnical Engineering, Delft, The Netherlands, 18-20 June, 2014.
- Lashgari A. and Jafarian Y., "ROLE OF SLIDING BLOCK ROTATION ONEARTHQUAKE-INDUCED PERMANENT DISPLACEMENT OF EARTH SLOPES", COMPDYN 2013, 14th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering M. Papadrakakis, V. Papadopoulos, V. Plevris (eds.), Kos Island, Greece, 12–14 June 2013.
- Miraei M. and Jafarian Y., "FRAGILITY CURVES FOR ASSESSING THE SEISMIC VULNERABILITY OF GRAVITY QUAY WALLS", COMPDYN 2013, 14th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering M. Papadrakakis, V. Papadopoulos, V. Plevris (eds.), Kos Island, Greece, 12–14 June 2013.
- Jafarian Y., Ghorbani A., Ahmadi O., "EVALUATING LIQUEFACTION-INDUCED LATERAL DEFORMATION OF EARTH SLOPES USING COMPUTATIONAL FLUID DYNAMICS (CFD)", 15th World Conference on Earthquake Engineering (WCEE), Lisbon, 2012.
- Jafarian Y., Ghorbani A., Salamatpoor, S., "EXPERIMENTAL STUDY ON SHEAR RESISTANCE OF BABOLSAR SAND UNDER ANISOTROPIC CONSOLIDATION", 3rd International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, 28-30 June 2012, Near East University, Nicosia, North Cyprus
- Jafarian Y., Ghorbani A., Salamatpoor, Si., "EVALUATING UNDRAINED BEHAVIOR OF BABOLSAR SAND USING STRAIN-CONTROLLED TRIAXIAL TESTS", 3rd International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, 28-30 June 2012, Near East University, Nicosia, North Cyprus
- Baziar M. H. and Yanzdian M. T., Jafarian Y., "ENERGY-BASED EVALUATION OF LIQUEFACTION POTENTIAL USING A NEURO-FUZZY SYSTEM", 5th International Conference on Earthquake Geotechnical Engineering, January 2011, 13-13. Santiago, Chile.
- Rezaei Pour, H., Baziar M. H. and Jafarian Y., "EVALUATING STATE - OF - THE PRACTICE PROCEDURES FOR PREDICTING THE SEISMIC PERMANENT DISPLACEMENTS OF SLOPES BY THE AVAILABLE CASE HISTORIES", 5th International Conference on Earthquake Geotechnical Engineering, January 2011, 13-13. Santiago, Chile.
- Jafarian Y., Baziar M. H., Sadeghi Abdollahi A., Vakili R., (2010). "PROBABILISTIC EVALUATION OF FIELD LIQUEFACTION POTENTIAL USING RELATIVE STATE PARAMETER INDEX", Fifth International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics and Symposium in Honor of Professor I.M. Idriss, May 24-29, 2010, San Diego California.
- Jafarian Y., Vakili R., Sadeghi A. R., Sharafi H., and Baziar M. H., (2008), "A NEW SIMPLIFIED CRITERION FOR THE ASSESSMENT OF FIELD LIQUEFACTION POTENTIAL BASED ON DISSIPATED KINETIC ENERGY", *The 14th World Conference on Earthquake Engineering October 12-17, 2008, Beijing, China.*
- Nabili S., Jafarian Y. and Baziar M. H., (2008), "A NUMERICAL MODELING PROCEDURE FOR LIQUEFACTION ANALYSIS OF A CENTRIFUGE TEST", *6th International Conference on Case histories in Geotechnical Engineering and symposium in honor of professor James k. Mitchell, Arlington, VA (USA)-August 11-16, 2008.*
- Nabili S., Jafarian Y., and Baziar M. H., (2008), "SEISMIC PORE WATER PRESSURE GENERATION MODELS: NUMERICAL EVALUATION AND COMPARISON", *The 14th World Conference on Earthquake Engineering October 12-17, 2008, Beijing, China.*

- Baziar M. H. and Jafarian Y., (2004), "THE MINIMUM SAFE DISTANCES BETWEEN SLOPES AND STRUCTURES", *Proceeding of the International Conference on Geotechnical Engineering (ICGE-2004), Sharjah, UAE, 3-6 October 2004, Paper No. ICGE-155.*
- Jafarian Y. and Baziar M. H., (2005), "APPLICATION OF SINUSOIDAL PULSES INSTEAD OF ACCELERATION RECORDS IN NEWMARK SLIDING BLOCK METHOD", *11th International Association for Computer Method and Advances in Geomechanics (IACMAG), Turin, 19-24 June 2005.*
- Baziar M. H. and Jafarian Y., (2006), "ASSESSMENT OF EARTH DAMS DISPLACEMENTS DURING EARTHQUAKE USING NEWMARK AND DECOUPLED APPROACHES", *First European Conference on Earthquake Engineering and Seismology (a joint event of the 13th ECEE & 30th General Assembly of the ESC), Geneva, Switzerland, 3-8 September 2006, Paper Number: 1054.*
- Kermani E., Jafarian Y., Baziar M. H., "A NEW ATTENUATION MODEL FOR PEAK GROUND ACCELERATION IN SOIL SITES USING GENETIC PROGRAMMING", *2nd International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, 28-30 May 2009, Near East University, Nicosia, North Cyprus*
- Noorzad A., Karimpour M. F., Jafarian Y. M., Rokneddin K., (2007), "MITIGATION OF EARTHQUAKE INDUCED LIQUEFACTION HAZARDS, A CASE STUDY: BANDAR ABBAS DRY DOCK PROJECT", *4th International Conference on Earthquake Geotechnical Engineering, June 25-28, 2007, Greece, Paper No. 1508.*
- Ghodrati Amiri G., Rokneddin K., Karimpour M. F., Jafarian Y. and Razavian Amrei S. A., (2006), "SEISMIC HAZARD ASSESSMENT OF SOUTHERN IRAN DRY DOCKS", *First European Conference on Earthquake Engineering and Seismology (a joint event of the 13th ECEE & 30th General Assembly of the ESC), Geneva, Switzerland, 3-8 September 2006, Paper Number: 788.*
- Jafarian Y. and Baziar M.H. (2006), "COMPARISON BETWEEN SLIDING BLOCK AND DECOUPLED METHODS OF EARTHQUAKE INDUCED PERMANENT DISPLACEMENTS OF DOROUDZAN DAM", *Proceeding of 7th International Conference of Civil Engineering, Tarbiat Modares University, IRAN, in Persian.*

Thesis supervisor

PhD theses

- Javdanian Hamed, "EXPERIMENTAL EVALUATION OF SHEAR MODULUS AND DAMPING RATIO OF CALCAREOUS SANDS, Semnan University, July 2015
- Mehrzad Behrooz, "EVALUATING SETTLEMENT OF SHALLOW FOOTING RESTED ON LOOSE SAND USING PHYSICAL AND NUMERICAL MODELING", Semnan University, September 2016
- Mirhaji Vahid, "EVALUATION OF SEISMIC PERMANENT DEFORMATION OF MSW LANDFILL USING NUMERICAL AND PHYSICAL MODELING: CASE STUDY OF TEHRAN LANDFILL", Islamic Azad University, Science and Research Branch, Tehran, July 2017
- Salamatpoor Siavash, "PHYSICAL MODELING ON THE ROLE OF STRUCTURES' ADJACENCY ON BEARING CAPACITY AND TILTING OF SHALLOW FOOTINGS ON SOFT ALLUVIAL SOIL", Islamic Azad University at Najafabad, February 2018
- Salamatpoor Sina, "IMPROVEMENT OF SHALLOW FOUNDATIONS RESTED ON SATURATED SAND BY ZEOLITE LAYER: PHYSICAL MODELING", Islamic Azad University at Najafabad, February 2018
- Fallahzade Mojgan, "SEISMIC PERFORMANCE OF PILE-RAFT-DRAINAGE SYSTEM IN LIQUEFACTION SITE: CENTRIFUGE AND NUMERICAL MODELING", Semnan University, November 2018

MSc theses (selected)

- Shojaeimehr Saeed, "EVALUATING AND IMPROVING THE SEISMIC BEHAVIOR OF SHALLOW FOUNDATION WITH SUPERSTRUCTURE RESTED ON SATURATED SAND USING 1G SHAKING TABLE EXPERIMENTS", International Institute of Earthquake Engineering and Seismology, February 2017
- Taghavizadeh Hamed, "EVALUATING AND IMPROVING THE SEISMIC BEHAVIOR OF SHALLOW FOUNDATION RESTED ON SATURATED SAND USING 1G SHAKING TABLE EXPERIMENTS", International Institute of Earthquake Engineering and Seismology, February 2017
- Moghimi Shadi, "FINITE DIFFERENCE 3D MODELING OF SHALLOW FOUNDATION ON LIQUEFIABLE SOIL", International Institute of Earthquake Engineering and Seismology, August 2017

- Moradi, Mohammad Ali, "PERMANENT DEFORMATION OF SHALLOW FOUNDATIONS ON LIQUEFIABLE SOIL USING NUMERICAL MODELING", International Institute of Earthquake Engineering and Seismology, August 2016
- Dejaloud Hesam, "AN ELASTOPLASTIC BOUNDING SURFACE CONSTITUTIVE MODEL FOR FIBROUS FINE-GRAINED SOILS", International Institute of Earthquake Engineering and Seismology, February 2015
- Moazzami Goudarzi Hadis, "EFFECT OF GEOTECHNICAL DESIGN PARAMETERS UNCERTAINTY ON SEISMIC VULNERABILITY OF QUAY WALLS IN LIQUEFACTION SITE", International Institute of Earthquake Engineering and Seismology, February 2015
- Alinejad Baharak, "DISCRETE ELEMENT MODELING OF IMPACT-PENETRATION MECHANISM OF PIPE TYPE PILES IN SANDS SING PFC", Iran University of Science and Technology, February 2015
- Nasri Ehsan, "PROBABILISTIC EVALUATION OF LIQUEFACTION-INDUCED LATERAL SPREADING USING MONTE-CARLO SIMULATION", Semnan University, February 2013
- Soltani Zahra, "PROBABILISTIC MICROZONATION OF LIQUEFACTION HAZARD IN SOUTHERN COAST OF CASPIAN SEA, CASE STUDY OF BABOL CITY", Semnan University, February 2013
- Rakhshandeh Mehran, "DYNAMIC PROPERTIES AND LIQUEFACTION STRENGTH OF BOUSHEHR CALCAREOUS SAND USING CYCLIC TRIAXIAL TESTS", Semnan University, February 2012
- Ebrahimi Majid, "EFFECT OF PLASTIC FINES ON UNDRAINED SHEAR STRENGTH OF ANZALI SAND", Guilan University, September 2012
- Valizadeh Chenari Masoud, "EFFECT OF NANO CEMENT ON DIRECT SHEAR STRENGTH OF ANZALI SAND", Guilan University, September 2012
- Morshed Reza, "TRIAXIAL STRENGTH AND POTENTIAL OF PORE PRESSURE DEVELOPMENT IN SAND-GRAVEL MIXTURE", Guilan University, September 2012
- Lahsgari Ali, "COUPLED SLIDING BLOCK MODEL MODIFIED FOR ROTATIONAL EFFECT OF SLIDING MASS", Semnan University, February 2013
- Miraei Mohsen, "DEVELOPMENT OF FRAGILITY CURVES FOR CAISSON TYPE GRAVITY QUAY WALLS USING FINITE DIFFERENCE MODELING", Semnan University, February 2013
- Mahmeli Abyaneh Reza, "LOOSELY COUPLED NUMERICAL ANALYSIS FOR ESTIMATION OF PORE PRESSURE BIULDUP BY STRAIN ENERGY METHOD", Semnan University, February 2013
- Rahimi Armin, "NUMERICAL STUDY TO ESTIMATE EFFECT OF MICROPILE INSTALLATION ON LIQUEFACTION POTENTIAL OF GROUND", Semnan University, February 2013