

IN THE NAME OF GOD

RESUME

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**II. EDUCATIONAL RECORDS:**

Degree	Institution	Field	Date
B.S.	Tabriz Univ. (Iran)	Civil Engineering	1977
M.S.	Tabriz Univ. (Iran)	Structural Engineering	1979
Ph.D.	Tohoku Univ. (Japan)	Civil Engineering	1990

**III. ACADEMIC EXPERIENCES:**

Associated Professor Tarbiat Modares University, Tehran, Iran, (Since 1990)

**IV. MEMBERSHIP OF SCIENTIFIC SOCIETIES:**

1- Technical Committee for Earthquake Geotechnical Engineering (TC4) International Society of Soil Mechanics and Foundation Engineering (ISSMFE).

2- Iranian Earthquake Engineering Association.

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4- Permanent Committee Member for Revision of Iranian Earthquake Code.

5- Permanent Committee Member for Code of Deep Excavations for Buildings in Tehran.

6- Permanent Committee Member for Code of Construction Roles in Fault Zones in Tehran.

## **V. REFEREE FOR JOURNAL ARTICLES SUBMITTED TO:**

- 1- Science and Technology
- 2- Amir Kabir
- 3- Modares
- 4- Faculty of Engineering of Tabriz Univ.
- 5- Sharif
- 6- Journal of Earthquake Engineering and Seismology

## **VI. RESEARCH INTERESTS:**

- 1- Soil Mechanics, Soil Dynamics and Foundation Engineering
- 2- Earthquake Engineering
- 3- Dam Engineering
- 4- Seismic Isolation of Buildings and Structures

## **VII. JOURNAL PAPERS [Author(s), Journal Name, Volume (Year), Page(s)]:**

- 1- A. Komak Panah and E. Yanagisawa, Laboratory studies on hydraulic fracturing criteria in soil, journal of the Soils & Foundations, Japan, vol. 29, No.4, 1989, pp. 14-22.
- 2- E. Yanagisawa and A. Komak Panah, Two dimensional study of hydraulic fracturing criteria in cohesive soils, journal of the Soils & Foundations, Japan, vol. 34, No. 1, 1993, pp. 1-9.
- 3- A. Komak Panah, Laboratory Study of Hydraulic Fracturing in Embankment Dams, Journal of Modares Science and Engineering, vol. 1, No. 1, 1995, pp. 29-36.
- 4- A. Komak Panah, A. Ganbari and R. Keyhani, Cracks in Embankment Dams, Journal of Geotechniques and Strength of Materials, vol. 15, No. 77, 1997, pp. 18-26.
- 5- A. Komak Panah and J. Asgari, Non-Linear Analysis of Two-Dimensional Problems by Boundary Element Method Without Domain Integrals, Journal of the Amir Kabir, vol. 11, No. 43, 2000, pp. 295-303.
- 6- A. Komak Panah, N. Hafezi Mogaddas and M.K. Jafari, Site effect classification in east-central of Iran, Journal of seismology & Earthquake Engineering, Iran, vol. 3, No. 2, 2002, pp. 1-9.
- 7- A. Komak Panah. and M. Derakhshandi, Investigation on the Grading Effects on the Static and Dynamic Behavior of Coarse Grain Materials, Journal of the Science of Engineering Geology, No. 8, 2002, pp. 81-91.
- 8- A. Nouri, A. Komak Panah, A. Pak, H. Vaziri and M. R. Islam, Evaluation of Hydraulic Fracturing Pressure in a Porous Medium by Using the finite element method, Energy Sources, UK, vol. 24, No. 8, 2002, pp. 715-724.

- 9- A. Komak Panah, Long Term Effect of Saline Water on Fine Grained Soils, Journal of the Amir Kabir, vol. 4, No. 53, 2003, pp. 48-58.
- 10- A. Komak Panah and N. Hafezi Mogaddas, Classification of the Site Effects in Earthquakes, Journal of the Science and Technology, No. 2, 2005, pp. 26-32.
- 11- A. Komak Panah and N. Hafezi Mogaddas, Attenuation of Ground Motion in East Iran, Journal of the Science of Geology, vol. 12, No. 56, 2006, pp. 26-39.
- 12- A. Komak Panah and N. Valinazhad, Measurements of the Local Strains in the Triaxial Specimens Using Digital Photograph Approach, Modares Technical and Engineering, No. 23, 2007, pp. 41-51.
- 13- A. Komak Panah. Investigations on the Ground Failure Phenomenon in the Yazd-Ardakan Roads, Journal of the Transportation, vol. 4, No. 2, 2008, pp. 181-193.
- 14- A. Komak Panah, J. Najafizadeh and H. Moharrami, Optimization of Pile Groups Using Genetic Algorithms, Journal of Amir Kabir, No. 67, 2008, pp. 63-73.
- 15- A. Komak Panah and M.H. Tavakoli, Estimation of the Horizontal Coefficient of Earthquake Forces in Earth Dams Based on the Limited Displacement, Research Journal of the Seismology and Earthquake Engineering, vol. 10, No. 2, 2008, pp. 34-42.
- 16- A. Komak Panah and S. Bakhtiari, Using Neural Networks in the Design of Foundation Grouting of the Dams, Modares Technical and Engineering, No. 35, 2009, pp. 91-98.
- 17- A. Komak Panah and M. Aghamajidi, The Creep of Rock fill Materials in Large Scale Oedometer with the Aspect of particle Breakage and Los-Angles Test, Civil Engineering Journal of Modares, vol. 10, No. 1, 2010, pp. 103-114.
- 18- A. komak Panah and M. Movahed Khah, Investigation on the Effect of Deformability and Mass of Pile cap on the earthquake Response of Soil-Pile-Structure Systems, the Research Reports of seismology and earthquake engineering, vol. 12, No. 3, 2010, pp. 15-30.
- 19- A. Komak Panah and B. shah Mohammadi, The Effect of Tunneling Depth on the Urban Tunnels under the Strong Motions, the Civil Engineering Journal of Sharif, vol. 27, No. 2, 2011, pp. 117-126.
- 20- J. Mahdavi, A.A. Agakuchak and A. komak Panah, Earthquake Resistance Improvement of pile-slab Harbors using seismic Isolators, Journal of Sea Engineering, vol. 8, No. 16, 2012, pp. 79-93.
- 21- A.Komak Panah and E. Jangali, Investigation on the Specimen size and Gradation on the Shear Strength Parameters in Direct Shear Test, the Civil Engineering Journal of Sharif, vol. 12, No. 4, 2012, pp. 99-106.
- 22- A. Komak Panah and M. Bagheri, Evaluation of Aa and Av Coefficients in Iran for Limited Displacement Design Method of Retaining Walls, Journal Of Seismology And Earthquake Engineering, Iran, vol. 14, No. 3, 2012, pp. 207-217.

- 23- A. Komak Panah and M. Yazdi, Frequency Response Analysis of Reinforced Soil Retaining Walls with Polymeric Strips, World Academy of Science, Engineering and Technology, vol. 63, No. 1, 2012, pp. 753-758.
- 24- A. Komak Panah and S. Majidian, 2D Numerical Modelling of Soil-nailed Structures for Seismic Improvement, Geomechanics and Engineering, vol. 5, No. 1, 2013, pp. 37-55.
- 25- A. komak Panah, M. yazdandust, Magnification of the psedo-static factor of Tehran Sediment Soils in Soil-Nailed Retaining Using Seismic Performance design method, the Civil Engineering Journal of Sharif, vol. 29, No. 1, 2013, pp. 3-13.
- 26- A. komak Panah, R. Sadeghzadegan and M. Yazdandust, Magnification of the psedo-static Factor in Reinforced soil Retaining walls Based on the Performance Based Design, the Civil Engineering Journal of Sharif, vol. 30, No. 1, 2014, pp. 25-32.
- 27- A. Komak Panah, K. Khakpour, M. Norouz Olyai, The Effect of Liquefiable Layer Geometry on the Behavior of Piled Foundations, Civil Engineering Journal of Modares, vol. 14, 2014, pp. 127-135.
- 28- M. Yazdandoust, A. Komak Panah and R. Sadeghzadegan, Evaluation of Pseudo Static coefficient for Soil nailed walls on the basis of seismic behavior levels, Research Journal and Recent Sciences, vol. 3, No. 11, 2014, pp. 6-16.
- 29- A. Komak Panah, M. Yazdi and A. Ghalandarzadeh, Shaking table tests on soil retaining walls reinforced by polymeric strips, Geotextiles and Geomembranes, vol. 43, No. 2, 2015, pp. 148-161.
- 30- A. Komak Panah and A. H. Khoshay, A new seismic isolation system: sleeved-pile with soil-rubber mixture, International Journal of Civil Engineering, vol. 13, No. 2, 2015, pp. 124-132.
- 31- A. Komak Panah and S. Yousefi, Non-linear Analysis of the Soil-Pile-Structure Interactions in Tall Buildings, the Civil Engineering Journal of Sharif, vol. 31, No. 1, 2015, pp. 27-40.
- 32- A. Komak Panah and M. Yazdandust, Investigation and the Seismic Parameters Effect on the Behavior of Reinforced Soil Walls for Proper Selection of Design Earthquake, the Civil Engineering Journal of Sharif, vol. 31, No. 1, 2015, pp. 17-26.
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- 34- A. Komak Panah and S. Majidian, Non-linear 2DOF system for efficient seismic analysis of vertical soil-nailed walls, European Journal of Enviromental and Civil Engineering, vol. 21, No. 10, 2016, pp. 1-25.
- 35- A. Komak Panah and A. Nouri, An Investigation of Local Site Effects Using Linear and Nonlinear Analysis and Comparison between Them, Civil Engineering Journal, vol. 2, No. 4, 2016, pp. 113-122.

36- A. Komak Panah and M. Yazdi, Proposing an Equivalent horizontal acceleration of earthquakes in Reinforced Soil Retaining Walls Using Polymeric straps, *Journal of the Engineering Geology*, vol. 9, No. 4, 2016, pp. 3151-3174.

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38- A. Komak Panah and A. Amoozesh, Optimization of the Nailed Supports Using Genetic Algorithms, *the Civil Engineering Journal of Sharif*, vol. 32, No. 2, 2016, pp. 125-137.

**VIII. LIST OF PAPERS PRESENTED IN CONGRESSES AND SEMINARS [Author(s), Name of Congress, City, Country, Year, Proceeding, Page(s)]:**

1- Komak Panah A. and Yanagisawa E., Laboratory Studies on Hydraulic Fracturing in Soil, *Proceedings of the 23rd Japan National Conference on Soil Mechanics and Foundation Eng.*, Miyazaki, Japan, June 1988, pp. 505-508.

2- Komak Panah A. and Yanagisawa E., Hydraulic Fracturing of Soil in Geotechnical in Situ Problems, *Proceedings of the 43rd Annual Conference of the Japan Society of Civil Eng.*, Hiroshima, Japan, Oct. 1988, Vol. 3, pp. 862-863.

3- Komak Panah A., Yanagisawa E. and Miyazaki R., Laboratory Study of Hydraulic Fracturing in Cohesionless Soil, *Proceedings of the 24th Japan National Conference on Soil Mechanics and Foundation Eng.*, Tokyo, Japan, June 1989, pp. 1677-1680.

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6- Komak Panah A., A Definition of Critical State Line in Soil Mechanics, *Proceedings of the First Educational Symposium on the Road Construction Materials and Pavement Design*, Tehran, Iran, June 15, 1991.

7- Komak Panah A., Mechanical Methods For Increasing the Strength of Soil Foundations, *Proceedings of the First Educational Symposium on the Road Construction Materials and Pavement Design*, Tehran, Iran, June 15, 1991.

8- Komak Panah A., Treatment Methods of Soft Foundations, *Proceedings of the First Educational Symposium on the Road Construction Materials and Pavement Design*, Tehran, Iran, June 15, 1991.

- 9- Komak Panah A., Laboratory Study of Hydraulic Fracturing in Core of Earth Dams, Proceedings of the Second National Conference on Large Dams, Tehran, Iran, Dec., 1991.
- 10- Komak Panah A., Chodani A. and Montazerolghaem S., Landslide Hazards in Urban Areas and Importance of Landslide Hazard Zonation Maps, Proceedings of the First International Conference on Disaster Prevention in Urban Areas, Tehran, Iran, May, 1992.
- 11- Komak Panah A., Rashidian M. and Chamanzad M., Liquefaction Zonation in Urban Areas for Seismic Hazard Reduction, Proceedings of the First International Conference on Disaster Prevention in Urban Areas, Tehran, Iran, May, 1992.
- 12- Komak Panah A. and Hafezi Mogaddas N., Preliminary landslide zoning study in Gilan area of Iran, Workshop on seismic zoning methodologies for geotechnical hazards., Iran, 1992.
- 13- Komak Panah A., and Montazerolghaem S., Effective Parameters on the Landslide Zonation in Earthquake Prone: Case Study on the Landslides Triggered by 1990 Manjil Earthquake, Proceedings of the Second International Seminar on Soil Mechanics and Foundation Engineering of Iran, Tehran, Iran, Oct., 1993.
- 14- Komak Panah A., and Montazerolghaem S., Back-Analysis of a Slope Failure in Loess Deposits of Toonekabon Caused by the 1990 Manjil Earthquake, Proceedings of the Second International Seminar on Soil Mechanics and Foundation Engineering of Iran, Tehran, Iran, Oct., 1993, pp. 220-245.
- 15- Komak Panah A. and Hafezi Moghaddas N., Landslide Hazard Zonation in Earthquake-Prone Area, Proceedings of the Second International Seminar on Soil Mechanics and Foundation Engineering of Iran, Tehran, Iran, Oct., 1993, pp.198-219.
- 16- Komak Panah A. and Hafezi Mogaddas N., Lessons Learned from Induced Landslides in Gilan due to Manjil Earthquake 1990, Performance of Ground and Soil Structures during Earthquakes, Thirteenth International Conference on Soil Mechanics and Foundation Engineering, New Delhi, 1994, pp. 27-34.
- 17- Komak Panah A. and Montazerolghaem S., Back-Analysis of a Block slide in Loess Deposits Triggered by Earthquake, Performance of Ground and Soil Structures during Earthquakes, Thirteenth International Conference on Soil Mechanics and Foundation Engineering, New Delhi, 1994, pp. 201-208.
- 18- Komak Panah A., and Farhangfar R., Instability Zonation of Rock Slopes on Seismic Areas, Proceedings of the First National Workshop on the Strategies for Landslide Damage Reduction, Tehran, Iran, June 1994, pp. 415-434.
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- 21- Komak Panah A. and Niroomand B., A Modified Method for Artificial Slope Remediation by Geotextiles, Proceedings of the First National Workshop on the Strategies for Landslide Damage Reduction, Tehran, Iran, June 1994, pp. 586-600.
- 22- Komak Panah A. and Rasouli S., Investigation on the Liquefaction Phenomenon of Astaneh Sand Using Resonant Column Test Results, Proceedings of the Second International Conference on Seismology and Earthquake Engineering, Tehran, Iran, May 1995, pp. 1313-1323.
- 23- Komak Panah A. and Farajzadeh M., Macro zonation of Liquefaction Susceptibility and Opportunity of Iran, Proceedings of the Second International Conference on Seismology and Earthquake Engineering, Tehran, Iran, May 1995, pp. 1399-1408.
- 24- Komak Panah A. and Irandokht V., Using of In-Situ Shear Wave Velocity for Estimation of Liquefaction Potential, Proceedings of the Second International Conference on Seismology and Earthquake Engineering, Tehran, Iran, May 1995, pp. 1421-1432.
- 25- Komak Panah A., Hafezi N. and Azadi A., Engineering Geology Investigation of Kouie-Valiasr Landslide in Tabriz, Proceedings of the Second Seminar on Landslide and their Hazard Reduction, Tehran, Iran, May 1997, pp.1-11.
- 26- Komak Panah A. and Niroomand B., Back Analysis and Stabilization Method of Natural Slopes in Kouie-Valiasr Landslide, Proceedings of the Second Seminar on Landslide and their Hazard Reduction, Tehran, Iran, May 1997, pp. 292-305.
- 27- Komak Panah A. and Alipoor F., Investigation on the Kouie-Valiasr Landslides in Tabriz and their Remediation Methods, Proceedings of the Second Seminar on Landslide and their Hazard Reduction, Tehran, Iran, May 1997, pp.306-323.
- 28- Komak Panah A. and Ganbari A., An Investigation on the Hydraulic Fracturing on Cohesive Soils, Proceedings of the First Seminar on Earth Dams, Tehran, Iran, September 1997, pp. 109-117.
- 29- Komak Panah A. and Ahmadpour G., Cyclic Triaxial Tests on Large Specimen of Fine Materials, SDEE 97, Istanbul, Turkey, July 1997.
- 30- Komak Panah A., Asgari Marnani J. and Ziegler F., Elasto-Plastic Analysis of Two-Dimensional Problems by Boundary Element Method Without Volume Integrals, Proceedings of the ICES 98 with the Participation of IABEM Atlanta, Georgia, USA., Oct. 1998, pp. 205-210.
- 31- Komak Panah A. and Gharavi M., Material Cooling and Concrete Transportation in Iranian RCC Dams, Proceedings of the International Symposium on Roller Compacted Concrete Dam, Chengdu, China, April 21, 1999.

- 32- Asgari Marnani J., Komak Panah A. and Ziegler F., Stress Analysis Using FE-BE with Elasto-Plastic Behavior in Boundary Element Media of No Domain Integrals, Proceedings of the Boundary Element Techniques An International Conference, London, U.K., July 1999.
- 33- Komak Panah A. and Derakhshandi M., Dynamic parameters study of gravelly soils, ASC 2000 Third meeting Asian seismological commission symposium on seismology earthquake, Iran, Nov. 2000.
- 34- Komak Panah A., Road and Structure Failures in Critical Environments, Proceedings of the International Forum on the Urban Problems in the Critical Environments, Morocco, Dec. 2000.
- 35- Komak Panah A., Execution of the Roller Compacted Concrete in Hot Environments, Proceedings of the Concrete and Development First International Conference, Tehran, Iran, April 30, 2001, pp. 651-656.
- 36- Komak Panah A., Evaluation of the Earthquake Horizontal Coefficient for Natural Slope Stability Analysis, Proceedings of the IAGA-IASPEI, Vietnam, Aug. 2001.
- 37- Komak Panah A. and Yanagisawa E., Evaluation of the Earthquake Horizontal Coefficient for Natural Slopes Stability Analysis, Proceedings of the 5<sup>th</sup> European Conference Numerical Methods in Geotechnical Engineering, Paris, France, Sep. 2002, pp. 971-976.
- 38- Komak Panah A. and Derakhshandi M., Investigation on the effect of the fines on the Static and Dynamic Parameters of Gravelly Soils, Proceedings of the 3rd Conference on the Soil Mechanics and Geotechnical Engineering, Tehran, Iran, December, 2002.
- 39- Komak Panah A. and Magoli N., Evaluation of the Horizontal Earthquake coefficient in Pseudo-Static Analysis of Slopes, Proceedings of the 3rd Conference on the Soil Mechanics and Geotechnical Engineering, Tehran, Iran, December, 2002.
- 40- Komak Panah A. and Maghuli A., Determination of Pseudo-Static Coefficient for Natural Slopes, Proceedings of the Twelfth Asian Regional Conference on Soil Mechanics and Static Coefficient for Natural Slopes, Singapore, Aug. 2003.
- 41- Komak Panah A. and Derakhshandi M., Investigation on the Shear Modulus and Damping Ratio of the Coarse Grained Soils in Large Triaxial Tests, Proceedings of the first Iranian National Congress of Civil Engineering, Tehran, Iran, May, 2005.
- 42- Komak Panah A., Investigation on the Valiasr Town Landslide in Tabriz and its stabilization Method, the First National congress of Civil Engineering, Iran, Tehran, 2005.
- 43- Komak Panah A., Using of Super Frame Technology in High-Rise Buildings, Proceedings of the 11th conference on the Residence and Developments, Bam, Iran, Jul. , 2005.
- 44- Komak Panah A., Prefabrication on the High-Rise Buildings, Proceedings of the 11<sup>th</sup> conference on the Residence and Developments, Bam, Iran, Jul., 2005.



- 45- Komak Panah A. and Hafezi Mogaddas N., Relation Between Cone Penetration Numbers and Shear Wave Velocities in Eastern Iran, 8<sup>th</sup> Conference of the Iranian Geology, Shahrood, Iran, June, 2005.
- 46- Komak Panah A., Design Aspects on the Rockfill Dams, Proceedings of the Workshop on the Materials for Earth and Rockfill Dams, Tehran, Iran, Jun., 2006.
- 47- Komak Panah A. and Khoshay A., Pardisan 34 High-Rise Super Frame Building with Hi Dampers, Proceedings of the Workshop on the Base Isolated High-Rise Buildings, Yerevan, Armenia, June 2006.
- 48- Komak Panah A. and Bakhtiari S., Using of Neural Networks on the Grouting of Dam Foundations, Proceedings of the 7th International Congress on Civil Engineering, Tehran, Iran, May, 2006.
- 49- Komak Panah A. and Najafizadeh J., Optimization of Pile Groups Using Genetic Algorithms, Proceedings of the 7th International Congress on Civil Engineering, Tehran, Iran, May, 2006.
- 50- Komak Panah A. and Nasrollahi N., Three Dimensional Analysis of Pile Groups under Horizontal Loadings, Proceedings of the 5th International Conference on Earthquake Engineering and Seismology, Tehran, Iran, May, 2007.
- 51- Komak Panah A., Hi Strength Reinforced Concrete in Pardisan Super Frame Tower, 2nd Conference on the National Roles of Buildings, Shiraz, Iran, Dec., 2007.
- 52- Komak Panah A., Elmi F. and Yazdi M., Examination of the Difference between the Forces Generated in Pseudo-static and Dynamic Status and Presentation of Appropriate Seismic Horizontal Coefficient, 13th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, 2007.
- 53- Komak Panah A., and Sabzpooshan H., Seismic Isolation of the Historical Buildings, Proceedings of the first International conference on the Earthquake Retrofitting, Tabriz, Iran, July, 2008.
- 54- Komak Panah A. and Hadian M., Retrofitting of the Historical Buildings Using Chemical Grouting, Proceedings of the first International conference on the Earthquake Retrofitting, Tabriz, Iran, July, 2008.
- 55- Komak Panah A., Investigation on the Seismic Isolation in Historical Buildings, the First Seismic Retrofitting Conference, Iran, Tabriz, 2008.
- 56- Komak Panah A., Zonation of the Horizontal Earthquake Factor in Iran for the Retaining wall Design Based On the Limited Displacement, 8th International Congress of Civil Engineering, Iran, Tehran, 2009.
- 57- Komak Panah A., Modeling of the Excavation of Urban Tunneling in Order to Optimization of Excavation Parameters, Iran, Tabriz, 2009.

- 58- Komak Panah A., A model for Calculation of time and Prices in Mechanical Excavation of Tunnels in Rocks, Second International Conference on the Recent Developments in Railway Engineering, Iran, Tehran, 2009.
- 59- Komak Panah A. and Behru R., Ground surface settlement estimation for hazard zonation map in tunnel design work, GIZ 2009, Dec. 2009.
- 60- Komak Panah A., Behru R. and Govahi N., Application of Interpolation Methods for Peak Ground Acceleration Management of Metropolises, Geo Florida, 2010.
- 61- Komak Panah A., and Majidian S., Assessment of Soil-Nailed Excavations Seismic Failure under Cyclic Loading and Pseudo-Static Forces, Fifth International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, California, USA, 2010.
- 62- Komak Panah A. and Tavakol M., Assessing Horizontal Seismic Coefficient in Earth Dams with Regards to Expected Deformation, Fifth International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, California, USA, 2010.
- 63- Ghaemmaghmiyan M., Komak Panah A. and Behru R., Seismic Micro zonation of Tehran City, Geotechnical challenges in megacities, 2010.
- 64- Komak Panah A., Dynamic analysis of Pile-Liquefiable Soil-structure Interaction, 5th National Civil Engineering Conference, Iran, 2010.
- 65- Komak Panah A., Numerical Investigation on the Dynamic Behavior of Earth Dams with Adding the Plasticity in Stability into the account, 5th National Civil Engineering Conference, Iran, 2010.
- 66- Komak Panah A., the Effect of Horizontal Drains in Earth Dams in Rapid Drop down of Waters, 5th National Civil Engineering Conference, Iran, 2010.
- 67- Komak Panah A., Calculation of the Natural Period of Soil-Nailed Structures Using Structural Response in Numerical Analysis, 5th National Civil Engineering Conference, Iran, 2010.
- 68- Komak Panah A., The Behavior of piled Foundations in Liquefiable Soils during Earthquakes, 4th International Conference in Soil Mechanics and geotechnical engineering, Iran, 2010.
- 69- Komak Panah A., Investigation on the Material Parameters Effect on the settlement and Seismic Stability of Earth dams, 4th International Conference in Soil Mechanics and geotechnical engineering, Iran, 2010.
- 70- Komak Panah A., Behavior of the Reinforced Soil Retaining walls based on Displacements, 6th National Civil Engineering Conference, Iran, 2011.
- 71- Komak Panah A., Determination of Dynamic Parameters of Structures Using Genetic Algorithms Method and its Comparison with the Combined Genetic Algorithms, 3th national symposium of the Civil Engineering, Iran, 2011.

- 72- Komak Panah A., Numerical Investigation on the Tunnel Interaction with The Surrounding ground underground water table, 9th International Congress of Civil Engineering, Iran, Tehran, 2012.
- 73- Komak Panah A., Investigation on the Maximum Acceleration, Arrangement and the length of polymeric strips on the Dynamic Behavior of Reinforced Soil retaining walls, 9th International Congress of Civil Engineering, Iran, Tehran, 2012.
- 74- Komak Panah A., A New Method of Design of earthquake Resistance Reinforced Soil Retaining wall Based on Displacement, 9th International Congress of Civil Engineering, Iran, Tehran, 2012.
- 75- Komak Panah A., Investigation on the Reduction of Seismic forces using Hybrid Isolators in Tall Buildings, 4th National Conference of Earthquake and Structures, Iran, 2012.
- 76- Komak Panah A., Numerical Modeling of the Reinforced Retaining walls with Polymeric strips in Shaking Table Tests, First National Conference of Soil Mechanics and Foundation Engineering, Iran, 2013.
- 77- Komak Panah A., Yazdandoust M. and Sadeghzadegan R., Determination of MSE Wall Pseudo Static Coefficient Based on Seismic Performance, Seventh International Conference on Case Histories in Geotechnical Engineering, Chicago, USA, 2013.
- 78- Behru R., Komak Panah A. and Ghaemmaghmiyan M., Recorded Bedrock Motion and Site Effects Evaluation in Tehran City, Seventh International Conference on Case Histories in Geotechnical Engineering, Chicago, USA, 2013.
- 79- Komak Panah A., Evaluation of pseudo static coefficient for soil nailed walls in coarse grained alluvium of Tehran on the basis of seismic behavior, Seventh international conference on case histories in geotechnical engineering, 2013.
- 80- Komak Panah A., Determination of reinforced wall pseudo static coefficient based on seismic performance, Seventh international conference on case histories in geotechnical engineering, 2013.
- 81- Komak Panah A., A Study on the Seismic Behavior of Structures with Soil-Structure Interaction Taking into the Account, International conference of New Research in Civil, Architecture and Urban Engineering, Iran, 2014.
- 82- Komak Panah A., Investigation on the Creep of the Soil in Creep Triaxial Tests, 5th International Conference in Soil Mechanics and geotechnical engineering, Iran, 2016.
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- 84- Komak Panah A., Investigation on the Behavior of Gravity Retaining Walls with Sand-Crashed Rubbers Backfills under Static Loadings, 3rd national and 2nd international conference on Human, Architecture, Civil engineering and City, Iran, 2016.

- 85- Komak Panah A., Investigation on the Static Horizontal Displacement of Gravity Retaining Walls with Sand-Crashed Rubbers Backfills under Static Loadings, 3rd national and 2nd international conference on Human, Architecture, Civil engineering and City, Iran, 2016.
- 86- Komak Panah A. and Majidian S., Static physical testing for seismic impact assessment of soil-nailed structures, Proceedings of the world congress on civil, structural and environmental Engineering, Prague, Czech Republic, 2016.
- 87- Komak Panah A. and Nouri A., Effects of Behavior of The Super Structures on The Soil-Pile-Structure Interaction, International Congress on Engineering Innovation And Technology Development, Tabriz, Iran, 2016.
- 88- Komak Panah A., Seismic Risk Analysis of Earth Fill Dams, 10th International Congress of Civil Engineering, Iran, Tehran, 2017.
- 89- Komak Panah A. and Rahmani H., Discussion for evaluation of seismic risk analysis of dams in Iran, 85th Annual Meeting of International Commission on Large Dams, Prague, Czech Republic, 2017.
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- 1- Preparation of Iran Liquefaction Susceptibility in 1/1000000 Scale, IIEES.
- 2- Installation of First Iranian Soil Dynamics Laboratory, IIEES.
- 3- Installation of First Iranian Large Scale Soil Dynamics Laboratory, BHRC.
- 4- Landslide Zonation, Iran, First Volume, Landslide and Investigation on the triggered events in Iran, IIEES.
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- 15- The Report of IT Information of surface water pollutions of Iran, TMU.
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- 17- Manufacturing of Large consolidation Apparatus, TMU.
- 18- Production Software of Optimum Slope Stability Analysis of Cut and Fill Slopes, TMU.

#### **X. BOOK (In Persian):**

- 1- Landslide Zonation, Iran, First Volume, Landslide and Investigation on the triggered events in Iran, IIEES.
- 2- Landslide Zonation, Iran, Second Volume, Landslides and their analysis methods, IIEES.
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#### **XII. RESEARCH STUDENTS SUPERVISED:**

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- 2- Investigation on the Loess Slopes of Tunekabon in 1990 Manjil Earthquake (1992), Amir Jafar Chodani.
- 3- Stabilization of Natural Slopes by Geotextiles (1994), Bahman Niroomand.
- 4- Investigation on the Liquefaction of Astaneh Sand by Cyclic Triaxial and Resonant Column Tests (1995), Said Rasuli.

- 5- Using Shear Wave Velocity for liquefaction Potential Evaluation (1995), Vahide Irandokht.
- 6- Investigation on the Plastic Concrete Used in the Foundation of Dams and Preparation a Practical Manual for Design (1995), Mohammad Taghi Mansoori.
- 7- Stability Zonation of Rock Slopes (1993), Rashid Farhangfar.
- 8- Stability Zonation of Slopes Against Earthquake (1993), Naser Hafezi Mogaddas.
- 9- Introduction to Hydraulic Fracturing and Study on its Propagation in the Core of Earth Dams (1994), Mohammad Eshragi.
- 10- Dynamic Analysis of Earth Dams (1996), Mohammad Dawoodi.
- 11- Gradation Effects on the Dynamic Behavior of Soils (1997), Gholamreza Ahmadpour.
- 12- Using of Debries Material for Construction of Earth Dams for Storage of Salin Water (1997), Jafar Yazan Mehr.
- 13- Study of the Valiasr Town Landslide and Proposing a Stabilization Method (1997), Farhad Alipour.
- 14- Investigation on the Particle Breakage of Rockfill Material (1998), Amirhossain Sadegpour.
- 15- Investigation on the Settlement Problems in Yazd-Ardakan Flats (1999), Afshin Alami.
- 16- Long Time Effect of Salin Water on Clay Soil (1999), Said Alamdar.
- 17- Statical Study of Fine and Coarse Material Mixes Used in Earth Dams (1999), Alireza Behnam.
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- 19- Investigation on the Static and Dynamic Behavior of the Coarse Grained Soils (2000), Mehdi Derakhshandi.
- 20- Correction of Accelerographs in Khorasan Region Based on the Geotechnical Investigations (2001), Javanshir Shamshiri.
- 21- Liquefaction Zonation of Southern Tehran Based on the CPT and SPT Tests (2001), Davood Bostani.
- 22- Determination of Horizontal earthquake Factor in Natural Slopes (2002), Alireza Maghuli.
- 23- Investigation on the Optimum Foundation Section in Reinforced Soil Retaining walls (2002), Amir Hossein Shafiei.
- 24- Investigation on the Strain Distribution in Triaxial Specimens (2003), Nader Valinazhad.
- 25- Optimum Design of Reinforced Soils by Steel Strips (2003), Shahrbanoo Mogaddasi.
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- 29- Estimation of the horizontal acceleration of earthquakes in the Design of Retaining walls based on

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30- Optimization of Pile Groups (2004), Jafar Najafizade Chenari.

31- Investigation on the Behavior of the Over Consolidated Marls (2005), Alireza Sadeginazhad.

32- Using of Neural Networks in the Design of Foundation Grouting of Dams (2005), Soheil Bakhtiari.

33- Stabilization Methods of the Excavation Mud on the Saline Areas (2005), Ali Farazian.

34- Study of the Pile-Soil Dynamic Interaction Using Finite Element Method (2006), Nasim Nasrollahi.

35- Investigation on the Mechanical Behavior of the Mass Fractured Rocks in the Vicinity of the Pressure Tunnels (2006), Ali Chegini.

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Sabzpushan.

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Push Down Tests (2017), Mehdi Mehrzadi.

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73- Investigation on the Constitutive Models in Deep Excavations (Under Supervision), Mitra Nasiri.

74- Investigation on the Seismic Behavior of Retaining Walls with Mixed Material (sand-rubber) Backfill (Under Supervision), Vida Hosseinpur.

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2- Attenuation of Ground Motion in East Iran (2006), Naser Hafezi Mogaddas.

3- Numerical and Laboratory Investigation for the Estimation of the Seismic Performance of Reinforced Soil and Ground by Still Elements, (2013), Majid Yazdandoost.

4- Laboratory Investigation on The Dynamic Behavior of Reinforced Soil Retaining wall Using Paraveb Strips (2015), Maryam Yazdi.

5- Seismic Performance of the Nailed Ground under Monotonic Loads (2015), Sina Majidiyan.

6- Seismic Isolation of Building using Soil-Pile-Structure Interaction (2015), Amir Hossein Khoshay.

7- Investigation on the Pile-Slab Performance in Weak Foundations (Under Supervision), Komeil Khakpour.

8- Shaking Table Study of the Micro-Pile Foundations (Under Supervision), Hadis Jaliliyan.

9- Laboratory Investigation on The Soft Rock fill Materials in order to Use in Rock fill Dams (Under Supervision), Hamidreza Rahmani.

**XIII. COURSES TAUGHT:**

1- M.S. Courses: Advanced Soil Mechanics, Soil Dynamics, Earth Dams, Advanced Foundation Engineering, River Engineering.

2- Ph.D. Courses: Boundary Element Method, Advanced Soil Dynamics.

**XIV. NAMES AND ADDRESSES OF SEVERAL REFEREES:**

1- Professor Eiji Yanagisawa, Department of Civil Engineering Tohoku University, Japan

2- Professor Ali Kaveh, Department of Civil Engineering Iran Science and Technology University

3- Professor Ahmad Ali Fakhimi, Department of Civil Engineering University of New Mexico, USA

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## **XVI. EDITORIAL OF SEMINARS:**

- 1- First National Workshop on the Strategies for Landslide Damage Reduction, Tehran, Iran, June. 1994.
- 2- Second Seminar on Landslide and their Hazard Reduction, Tehran, Iran, May.1997.

## **XVII. LEADER FOR DESIGNING OF PROJECTS:**

- 1- Venai Dam (92.5 Meters High), Lorestan Province, Iran
- 2- Jegin Dam (62 Meters High), Hormozgan Province, Iran
- 3- Zirdan Dam (61 Meters High), Sistan Province, Iran
- 4- Vaniar Dam (93.7 Meters High), Azarbaijan Province, Iran
- 5- Roudbar Lorestan Dam (169 Meters High), Lorestan Province, Iran
- 6- Optimization of Pile Foundation of Hegmatane Cement Factory, Iran
- 7- Land Preparation for New Towns, Tabriz, Iran
- 8- Tabriz Cable Stay Bridge
- 9- Pardisan Super Frame High-Rise Building
- 10- Kerman Fair Cable Stay Buildings