



Amirkabir University of Technology  
(Tehran Polytechnic)



**ABBAS SOROUSH**

**Professor**  
**Department of Civil and Environmental**  
**Engineering**  
**Geotechnics, Roads and Transportation**  
**Specialty**

Email:  
[soroush@aut.ac.ir](mailto:soroush@aut.ac.ir)

Phone:

h-index (Scopus):  
**17**

Citations (Scopus):  
**835**

**Supervised PhD Theses**

#	Thesis title	By	Date
1	Numerical Analysis of Tunneling-Induced Settlements of Surface Structures due to Twin Tunnel Construction in Soils	Seyed Alireza Mirhabibi & Abbas Soroush	January 2012
2	Investigation of Internal Erosion and its Influence on Mechanical Properties of Soils	Piltan Tabatabaee Shoorijeh & Abbas Soroush	July 2010

**Supervised MSc Theses**

#	Thesis title	By	Date
1	study of different dimensions of fire in hazardous wastes landfill by combining engineering and software	Rezvan Aboulizadeh & Abbas Soroush	October 2021
2	An experimental investigation of utilizing additive materials to reduce the erodability of soils	Mohammadreza Ramezan Doulabi & Abbas Soroush	March 2021
3	site effect study in Sarpol-e Zahab and lessons learn from the 2017 Kermanshah earthquake	Mahdi Maleki & Abbas Soroush	January 2021
4	modeling and assessment of shear band in unsaturated soils using DEM	Seyed Javad Moosavi Moghadam & Abbas Soroush	July 2020

5	providing an effective model for establishing a process safety management system at power plants with a case study	Mahdi Mozaffary & Abbas Soroush	April 2020
6	Numerical modeling of the effect of vibration caused by subway trains on surface and subsurface structures	Mohammad Ali Zamanian & Abbas Soroush	February 2020
7	Numerical analysis of the deformation behavior of clay core rockfill dams in narrow canyons (case study: Masjed-Soleyman dam)	Alireza Nazari & Abbas Soroush	September 2019
8	two- dimensional dynamic numerical modeling of fault rupture propagation through soil	Ahmad Rahimi & Abbas Soroush	September 2019
9	Numerical modeling of fault rupture interaction with tunnels and developing mitigation measures for the hazards	Mohammad Amin Barfehee & Abbas Soroush	July 2019
10	An Experimental Parametric Study of the Effects of Physical and Chemical Soil Properties on Erosion of Fine Grained Soils	Amir Hossein Daneshi Sadr & Abbas Soroush	October 2018
11	The use of Pressure meter test data in geotechnical parameters of soil of fire -grained soils	Behrad Dalvand & Abbas Soroush	July 2018
12	Evaluating Direct CPT and CPTu Methods for pile capacity estimation based on AUT-CPT & Pile Database	Amirhossein Vojgani & Abbas Soroush	February 2018
13	Numerical study of dense granular soils behavior inside and outside of shear bands using DEM	Seyedshayan Hashemi & Abbas Soroush	February 2018
14	An experimental study of the effects of moisture and compaction on critical filter design for core materials of mixed soils	Mohamad Mehrju & Abbas Soroush	February 2018
15	Numerical analysis of tunnelling on adjacent structures in urban areas	Mohsen Soheili Pour & Abbas Soroush	February 2017
16	Numerical analysis of the behavior of the earthfill dams with clay core in narrow canyons	Mehran Pourakbar & Abbas Soroush	October 2016
17	Numerical study on impact of excavation on lifeline facilities	Seddigheh Hasanpour Estahbanati & Abbas Soroush	February 2016
18	the assessment of earth dams cores erodibility potential in narrow valley by 3D numerical analysis	Zahra Ghafoorian Hesami & Abbas Soroush	February 2015
19	numerical analysis of supported excavation walls with pre-tensioned anchors against seismic loading	Omid Joozak & Abbas Soroush	February 2015
20	an experimental study of erodibility of fine grained soils and its effects on critical filter design	Mohammad Fattahi & Abbas Soroush	December 2014
21	3Dimensional analysis of convex wall of deep excavation	Ahmadreza Heydari & Abbas Soroush	October 2014
22	investigation into the behavior of soils susceptible to internal erosion using DEM	Sina Jafari & Abbas Soroush	September 2014
23	three dimensional numerical modelling of fault dispersion in earth/rockfill dams	Zahra Saffarzadeh Kermani & Abbas Soroush	February 2014
24	Optimization of the distance between pre-forced anchors used in stabilizing deep excavation walls: A numerical approach	Mohammad Javad Shahiri Tabarestani & Abbas Soroush	February 2014
25	Modeling the impact of fault activation on buried pipes using numerical methods	Mehdi Hashemzadeh & Abbas Soroush	February 2014

26	Filter criteria evaluation for dams with wet core for regions with humid climate	Sina Shamsmolavi & Abbas Soroush	July 2013
27	Numerical Analysis Of Three-Dimensional Effect In Deep Excavation	Mohammadamin Kiani & Abbas Soroush	February 2013
28	Numerical study about fault propagation through the earth dam body considering the core material	Mohammad Khoshini & Abbas Soroush	February 2013
29	mechanical and hydraulic behavior of earth dams with soft materials for the core	Mohsen Norouzi & Abbas Soroush	February 2012
30	A study on the effect of type of core material on the mechanical behavior of earth dams in narrow canyons, by numerical analysis	Arman Maddah & Abbas Soroush	February 2012
31	study of the behavior of internally unstable soils from micro-mechanics view point using discrete	Mojtaba Farahnak Langroudi & Abbas Soroush	February 2012
32	Numerical analysis of effects of fault reapture on overlying soil structures	Roya Solhmirzaei & Abbas Soroush	January 2012
33	Evaluation of Effect of Layered Foundation and Footing Aspect Ratio on Settlement and Subgrade Reaction of Foundations with Numerical Analysis	Mohamadreza Kamali Dowlat Abadi & Abbas Soroush	February 2011
34	study of performance of upstream clay blanket in water tightening of pockfill and earth dams using numerical analysis	Alireza Mohammadinia & Abbas Soroush	February 2011
35	Numerical Analysis And Comparison Of Active And Passive Methods For Deep Excavation Stabilities	Ashkan Baghaie & Abbas Soroush	February 2011
36	Numerical Modeling of Stone Columns Reinforced by Geosynthetics	Lohrasb Keykhosrowpour & Abbas Soroush	February 2011
37	Evaluation of Foundation Size Effect on Coefficient of Subgrade Reaction for Cemented Soils using Plate Load Test Results	Mehrdad Sadeghi & Abbas Soroush	February 2011
38	Modeling of Stone Columns to Mitigate Liquefactin	Zahra Borgheii & Abbas Soroush	September 2010
39	Application of artificial neural networks (ANNs) in estimating of different soil types permeability	Hadi Ganjidost & Abbas Soroush	July 2010
40	Modeling the behavior of saturated granular materials under cyclic loadings using discrete elements method	Behrooz Ferdowsi & Abbas Soroush	May 2010
41	Numerical Analysis of Earth Dams with Clay Core, Considering the 3D Effects of Valley	Mehrnoosh Sadeghipour & Abbas Soroush	February 2010
42	Experimental study and modeling behavior of granular materials in constant deviatoric stress loading	Arash Azizi & Abbas Soroush	July 2009
43	Analytical Study and Numerical Modeling of Rockfills' Mechanical Behavior	Roghieh Jannati Aghdam & Abbas Soroush	January 2009
44	Large-scale Laboratory Direct Shear Testing on Rockfill Materials	Mozhgan Asadzadeh & Abbas Soroush	January 2009
45	Comparison between behavior of mixed clayey soils with behavior of pure clay by numerical analysis	Sina Sasanian & Abbas Soroush	December 2008
46	Numerical Analysis of Thermal and Combined Stresses in Pre-stressed Concrete Pavement	Mehrnaz Mashayekhi & Abbas Soroush	March 2008

## Books

#	Title	Author(s)	Publisher country	publication date	version
<b>Portal Records</b>					
1	Assessment of Monotonic Triaxial Behavior of Gravelly Soils	Ata Aghaei Araei, Abbas Soroush, Saeed Hashemi Tabatabaei, Abbas Ghalandarzadeh	Iran (Islamic Republic of)	April 2012	1

## Journal Papers

### Portal Records

- 1 Seied Mohammad Fattahi, Abbas Soroush, Ning Huang, Jie Zhang, Sona Jodari Abbasi, Yang Yu, "A framework for predicting abrasion rupture of crusts in wind erosion", *EARTH SURFACE PROCESSES AND LANDFORMS*, July 2021 Vol. 46, Num. 13, Page 2565-2581, July 2021,
- 2 Seied Mohammad Fattahi, Abbas Soroush, Ning Huang, Jie Zhang, Sona Jodari Abbasi, Yang Yu, "Durability of biotechnologically induced crusts on sand against wind erosion", *JOURNAL OF ARID ENVIRONMENTS*, June 2021 Vol. 189, Num. 1, Page 1-11, June 2021,
- 3 Sina Sasanian, Abbas Soroush, Reza Jamshidi Chenari, "Effect of transformation uncertainty of soil design parameters on stochastic slope stability evaluations", *Arabian Journal of Geosciences*, June 2021 Vol. 14, Num. 14, Page 1-12, June 2021,
- 4 Arman Maddah, Abbas Soroush, Roozbeh Shafipour Nourafshan, "A new concept for interpretation of building-excavation interaction in 3D conditions", *TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY*, March 2021 Vol. 109, Num. 103757, Page 1-10, March 2021,
- 5 Sina Sasanian, Abbas Soroush, Reza Jamshidi Chenari, Roozbeh Shafipour Nourafshan, "Influence of Geotechnical Site Investigation in Horizontal Plane on Slope Reliability", *Iranian Journal of Science and Technology Transactions of Civil Engineering*, March 2021 Vol. 1, Num. 1, Page 1-13, March 2021,
- 6 Piltan Tabatabaie Shourijeh, Abbas Soroush, Mohamad Mehrju, "The Effects of Moisture Content on Filtration of Mixed Core Soils in Embankment Dams", *PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-GEOTECHNICAL ENGINEERING*, March 2021 Vol. 1, Num. 1, Page 1-13, March 2021,
- 7 Morteza Naeij, Abbas Soroush, "Comprehensive 3D numerical study on interaction between structure and dip-slip faulting", *SOIL DYNAMICS AND EARTHQUAKE ENGINEERING*, October 2020 Vol. 140, Num. 1, Page 1-10, October 2020,
- 8 Arash Hosseinzadeh, Abbas Soroush, Vahid Lotfi, Mahdi Nobari Nasab, "Three Dimensional Seepage Analysis in Foundation and Abutments of Karun III Concrete Arch Dam", *DAM ENGINEERING*, August 2020 Vol. XXXI, Num. 1, Page 25-42, August 2020,
- 9 Piltan Tabatabaie Shourijeh, Abbas Soroush, Amir Hossein Daneshi Sadr, "The Effects of Lime, Bentonite and Nano-Clay on Erosion Characteristics of Clay Soils", *EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING*, August 2020 Vol. 0, Num. 0, Page 0-0, August 2020,
- 10 Seied Mohammad Fattahi, Abbas Soroush, Ning Huang, Jie Zhang, Sona Jodari Abbasi, Yang Yu, "Laboratory study on Biophysicochemical Improvement of Desert Sand", *CATENA*, July 2020 Vol. 190, Num. 1, Page 1-10, July 2020,
- 11 Alireza Mirhabibi, Abbas Soroush, "Three-Dimensional Simulation of Interaction Between Surface Buildings and Twin Tunnelling Regarding the Surface Settlement", *Geotechnical and Geological Engineering*, May 2020 Vol. 0, Num. 0, Page 0-0, May 2020,
- 12 Seied Mohammad Fattahi, Abbas Soroush, Ning Huang, Jie Zhang, Sona Jodari Abbasi, Yang Yu, "Physico-chemical and strength properties of soil affecting erosion induced by saltating particles", *Environmental Geotechnics*, May 2020 Vol. 0, Num. 0, Page 1-14, May 2020,

- 13 Seied Mohammad Fattahi, Abbas Soroush, Ning Huamg, "Biocementation control of sand against wind erosion", JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, March 2020 Vol. 146, Num. 6, Page 1-13, March 2020,
- 14 Arman Maddah, Abbas Soroush, "A Comprehensive Numerical Study on Building-Excavation Interaction", Civil Engineering Journal-TEHRAN-OPEN, February 2020 Vol. 6, Num. 2, Page 326-343, February 2020,
- 15 Seied Mohammad Fattahi, Abbas Soroush, Ning Huang, "Wind Erosion Control Using Inoculation of Aeolian Sand with Cyanobacteria", LAND DEGRADATION & DEVELOPMENT, February 2020 Vol. 0, Num. 0, Page 1-13, February 2020,
- 16 Sina Sasanian, Abbas Soroush, Reza Jamshidi Chenari, "Slope Reliability Analysis Using the Geotechnical Random Field Method", PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-GEOTECHNICAL ENGINEERING, July 2019 Vol. 0, Num. 0, Page 1-41, July 2019,
- 17 Morteza Naeij, Abbas Soroush, Yousef Javanmardi, "Numerical investigation of the effects of embedment on the reverse fault-foundation interaction", COMPUTERS AND GEOTECHNICS, May 2019 Vol. 113, Num. 0, Page 1-13, May 2019,
- 18 Sina Sasanian, Abbas Soroush, Reza Jamshidi Chenari, "Two-Dimensional Random Field Conditioned by CPT Data: Case Study", INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, April 2019 Vol. 0, Num. 0, Page 1-12, April 2019,
- 19 Sina Sasanian, Abbas Soroush, Reza Jamshidi Chenari, "Effect of Sampling Interval on the Scale of Fluctuation of CPT Profiles Representing Random Fields", INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, November 2018 Vol. 0, Num. 0, Page 1-10, November 2018,
- 20 Abbas Soroush, Piltan Tabatabaie Shourijeh, Sina Ramezani Foladi, "The effects of soil erosion characteristics on critical filter design in embankment dams", GEOTECHNICAL TESTING JOURNAL, August 2018 Vol. 42, Num. 3, Page 1-29, August 2018,
- 21 Mozghan Asadzadeh, Abbas Soroush, "Evaluation of stress and strain non-uniformity during cyclic simple shear test using DEM: effect of the horizontal platen asperities", GRANULAR MATTER, June 2018 Vol. 20, Num. 43, Page 1-11, June 2018,
- 22 Mohammad Hazeghian, Abbas Soroush, "DEM simulations to study the effects of the ground surface geometry on dip-slip faulting through granular soils", EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING, January 2018 Vol. 0, Num. 0, Page 1-19, January 2018,
- 23 Piltantabatabaie Shourijeh, Abbas Soroush, Sina Shamsmolavi, Sina Ramezani Foladi, "A parametric database study of no-erosion filter (NEF) tests", PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-GEOTECHNICAL ENGINEERING, November 2017 Vol. 171, Num. 6, Page 1-52, November 2017,
- 24 Mahda Mortazavizanjani, Abbas Soroush, "Numerical Modeling of Fault Rupture Propagation through Layered Sands", EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING, June 2017 Vol. 1, Num. 1, Page 3-17, June 2017,
- 25 Mohammad Hazeghian, Abbas Soroush, "Numerical modeling of dip-slip faulting through granular soils using DEM", SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, March 2017 Vol. 97, Num. 0, Page 155-171, March 2017,
- 26 Mohammad Fattahi, Abbas Soroush, Piltan Tabatabaie Shourijeh, "The Hole Erosion Test: A Comparison of Interpretation Methods", GEOTECHNICAL TESTING JOURNAL, December 2016 Vol. 0, Num. 0, Page 1-10, December 2016,
- 27 Mahda Mortazavizanjani, Abbas Soroush, Mohammad Khoshini, "Two-dimensional numerical modeling of fault rupture propagation through earth dams under steady state seepage", SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, June 2016 Vol. 88, Num. 88, Page 60-71, June 2016,
- 28 Mozghan Asadzadeh, Abbas Soroush, "Macro- and micromechanical evaluation of cyclic simple shear test by discrete element method", PARTICULOLOGY, April 2016 Vol. 0, Num. 0, Page 1-11, April 2016,
- 29 Abbas Soroush, Piltan Tabatabaie Shourijeh, Sina Shamsmolavi, "Applicability of Filter Design Criteria for Wet Core Embankment Dams in Wet Climates", GEOTECHNICAL TESTING JOURNAL, April 2016 Vol. 39, Num. 3, Page 1-19, April 2016,
- 30 Mohammad Hazeghian, Abbas Soroush, "DEM-aided study of shear band formation in dip-slip faulting through granular soils", COMPUTERS AND GEOTECHNICS, January 2016 Vol. 71, Num. 1, Page 221-236, January 2016,

- 31 Mozghan Asadzadeh, Abbas Soroush, "Fundamental investigation of constant stress simple shear test using DEM", *POWDER TECHNOLOGY*, January 2016 Vol. 292, Num. 0, Page 129-139, January 2016,
- 32 Abbas Soroush, Mohammad Khoshini, Mahda Mortazavizanjani, "Faulting effects on stability of embankment dams", *Japanese Geotechnical Society Special Publication*, December 2015 Vol. 2, Num. 48, Page 1688-1693, December 2015,
- 33 Hadi Ganjidost, S. Jamshid Mousavi, Abbas Soroush, "Adaptive Network-Based Fuzzy Inference Systems Coupled with Genetic Algorithms for Predicting Soil Permeability Coefficient", *NEURAL PROCESSING LETTERS*, November 2015 Vol. 0, Num. 0, Page 1-26, November 2015,
- 34 Arman Maddah, Abbas Soroush, Piltan Tabatabaie Shourijeh, "Effects of material properties on behavior of embankment dam clay cores in narrow valleys", *SCIENTIA IRANICA TRANSACTION A-CIVIL ENGINEERING*, October 2015 Vol. 22, Num. 5, Page 1692-1702, October 2015,
- 35 Mojtaba Farahnak Langroudi, Abbas Soroush, Piltan Tabatabaie Shourijeh, "A comparison of micromechanical assessments with internal stability/instability criteria for soils", *POWDER TECHNOLOGY*, February 2015 Vol. 276, Num. 276, Page 66-79, February 2015,
- 36 Mohammad Hazeghian, Abbas Soroush, "DEM simulation of Reverse Faulting through Sands with the aid of GPU computing", *COMPUTERS AND GEOTECHNICS*, February 2015 Vol. 66, Num. 66, Page 253-263, February 2015,
- 37 Piltan Tabatabaee Shourijeh, Abbas Soroush, "Design and Development of an Apparatus for Internal Erosion and Suffusion Testing in Soils", , September 2014 Vol. 26, Num. 1, Page 49-62, September 2014,
- 38 Hojjat Ahmadi, Hassan Rahimi, Abbas Soroush, Claes Alen, "Experimental Research on Variation of Pore Water Pressure in Constant Rate of Strain Consolidation Test", *ACTA GEOTECHNICA SLOVENICA*, July 2014 Vol. 11, Num. 2, Page 47-57, July 2014,
- 39 Gholamhasan Eskandari, Ali Reesi Estabragh, Abbas Soroush, "A New Technique for Assessing Volume Change Behavior Of Unsaturated Soils", , April 2014 Vol. 25, Num. 2, Page 1-22, April 2014,
- 40 Ali Akhtarpour, Abbas Soroush, "Study and numerical analysis of induced pore water pressure in core of the Mesjed-e-soleiman rockfil dam", , April 2014 Vol. 25, Num. 2, Page 159-172, April 2014,
- 41 Mahda Mortazavizanjani, Abbas Soroush, "Numerical Modeling of Fault Rupture Propagation through Two Layered Sands", *SCIENTIA IRANICA TRANSACTION A-CIVIL ENGINEERING*, December 2013 Vol. 21, Num. 1, Page 19-29, December 2013,
- 42 Mahda Mortazavizanjani, Abbas Soroush, "NUMERICAL MODELING OF REVERSE FAULT RUPTURE PROPAGATION THROUGH CLAYEY EMBANKMENTS", *INTERNATIONAL JOURNAL OF CIVIL ENGINEERING*, November 2013 Vol. 11, Num. 2, Page 122-132, November 2013,
- 43 Seyd Alireza Mirhabibi, Abbas Soroush, "Effects of Building Three-dimensional Modeling Type on Twin Tunneling-Induced Ground Settlement", *TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY*, September 2013 Vol. 38, Num. 1, Page 224-234, September 2013,
- 44 Mojtaba Farahnak Langroudi, Abbas Soroush, Piltan Tabatabaee Shourijeh, Roozbeh Shafipour Nourafshan, "Stress transmission in internally unstable gap-graded soils using discrete element modeling", *POWDER TECHNOLOGY*, August 2013 Vol. 247, Num. 1, Page 161-171, August 2013,
- 45 Mojdeh Dehghan, Abbas Soroush, Seyd Mostafa Salehi, "Swelling potential of City of Yazd soil", , April 2013 Vol. 13, Num. 1, Page 109-130, April 2013,
- 46 Ata Aghaei Araei, Abbas Soroush, Saeed Hashemi Tabatabaie, Abbas Ghalandarzadeh, "Consolidated undrained behavior of gravelly materials", *SCIENTIA IRANICA TRANSACTION A-CIVIL ENGINEERING*, November 2012 Vol. 19, Num. 6, Page 1391-1410, November 2012,
- 47 Abbas Soroush, Piltan Tabatabaee Shourijeh, Hamed Farshbaf Aghajani, Alireza Mohammadinia, Amir Hossein Amin Zadeh, "A review of the sand castle test for assessing collapsibility of filters in dams", *GEOTECHNICAL TESTING JOURNAL*, July 2012 Vol. 35, Num. 4, Page 1-14, July 2012,
- 48 Arash Hiseinzadeh, Mahdi Nobari Nasab, Abbas Soroush, Vahid Lotfi, "Coupled stress-seepage analysis of KARUN III concrete arch dam", *PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-GEOTECHNICAL ENGINEERING*, July 2012 Vol. 1, Num. 1, Page 1-19, July 2012,

- 49 Hossein Soltani-Jigheh , Abbas Soroush, Mehdi Rezaie, "Estimating Undrained Cyclic Behavior of Compacted Mixed Clayey Soils by Statistical Tools", SCIENTIA IRANICA TRANSACTION A-CIVIL ENGINEERING, June 2012 Vol. 19, Num. 3, Page 346-354, June 2012,
- 50 Abbas Soroush, Roghieh Jannati Aghdam, "Behavior of Rockfill Materials in Triaxial Compression Testing", INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, June 2012 Vol. 10, Num. 2, Page 153-161, June 2012,
- 51 Seyed Alireza Mirhabibi, Abbas Soroush, "Effects of Surface Buildings on Twin Tunnelling-Induced Ground Settlements", TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, January 2012 Vol. 1, Num. 1, Page 1-9, January 2012,
- 52 Hamed Farshbaf Aghajani, Abbas Soroush, Piltan Tabatabaee Shoorijeh, "An improved solution to capillary rise of water in soils", INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, December 2011 Vol. 9, Num. 4, Page 275-281, December 2011,
- 53 Lohrasb Keykhosrowpour, Abbas Soroush, Seyed Mohammad Reza Imam, "3D numerical analyses of geosynthetic encased stone columns", GEOTEXTILES AND GEOMEMBRANES, December 2011 Vol. 35, Num. 35, Page 61-68, December 2011,
- 54 Hojjat Ahmadi, Hasan Rahimi, Abbas Soroush, "Investigation on Hydraulic Conditions in CRS Consolidation test and a Method to Determination of Pore Water Flow Regime", , November 2011 Vol. 25, Num. 5, Page 1005-1015, November 2011,
- 55 Ata Aghaei Araei, Abbas Soroush, Saeed Hashemi Tabatabaee, Abbas Ghalandarzadeh, "Assessment of particle breakage in triaxial tests", Journal of Engineering Geology, September 2011 Vol. 5, Num. 2, Page 1193-1216, September 2011,
- 56 Hojjat Ahmadi, Hasan Rahimi, Abbas Soroush, "Investigation on the Characteristics of Pore water flow During CRS consolidation Test", Geotechnical and Geological Engineering, July 2011 Vol. 29, Num. 6, Page 989-997, July 2011,
- 57 Abbas Soroush, Behrooz Ferdowsi, "Three dimensional discrete element modeling of granular media under cyclic constant volume loading: a micromechanical perspective", POWDER TECHNOLOGY, May 2011 Vol. 100, Num. 1, Page 100-112, May 2011,
- 58 Shahrzad Roshankhah, Abbas Soroush, Roozbeh Shafipour Nourafshan, "2D Numerical Modeling of Soil Behavior Under Drained Tri-axial Loading with Discrete Element Method", , April 2011 Vol. 45, Num. 1, Page 1-8, April 2011,
- 59 Sina Sasanian, Abbas Soroush, Hossein Soltani-Jigheh, "Comparison of behavior of earth dams with pure clay and mixed clayey soils under different loading", , March 2011 Vol. 2-27, Num. 1, Page 65-74, March 2011,
- 60 Amirhosein Karbarshyadeh, Abbas Soroush, "Numerical Analysis of an Earth Dam with Inclined Core and Comparison with a Dam with Vertical Core", , February 2011 Vol. 44, Num. 5, Page 667-677, February 2011,
- 61 Arash Hiseinzadeh, Mahdi Nobari Nasab, Vahid Lotfi, Abbas Soroush, "Effects of foundation rock nonlinear models on analysis of Karun III concrete arch dam", , September 2010 Vol. 44, Num. 3, Page 351-363, September 2010,
- 62 Hossein Soltani-Jigheh, Abbas Soroush, "Cyclic Behavior of Mixed Clayey Soils", INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, June 2010 Vol. 8, Num. 2, Page 99-106, June 2010,
- 63 Ata Aghaei Araei, Abbas Soroush, Mohammad Reyhani, "Large-Scale Triaxial Testing and Numerical Modeling of Rounded and Angular Rockfill Materials", SCIENTIA IRANICA TRANSACTION A-CIVIL ENGINEERING, June 2010 Vol. 17, Num. 3, Page 169-183, June 2010,
- 64 Saeedeh Tabarsaz, Abbas Soroush, "Numerical Analysis of Ground Reinforced with a Stone Column Group", , June 2010 Vol. 10, Num. 2, Page 27-37, June 2010,
- 65 Hojjat Ahmadi, Hasan Rahimi, Abbas Soroush, Abdolhossein Hoorfar, "Effect of strain rate on pore water pressure changes in Constant-strain-rate consolidation test", , April 2010 Vol. 41, Num. 1, Page 69-78, April 2010,
- 66 Hojjat Ahmadi, Hasan Rahimi, Abdolhossein Hoorfar, Abbas Soroush, Peter Vermier, "Evaluation of rule governing pore water seepage in constant strain rate consolidation test", Agricultural Engineering Research Journal, December 2009 Vol. 10, Num. 4, Page 25-38, December 2009,
- 67 Mozghan Asadzadeh, Abbas Soroush, "direct shear testing on a rockfill material", , October 2009 Vol. , Num. 34, Page 0-0, October 2009,

- 68 Piltan Tabatabaee Shoorijeh, Abbas Soroush, "Statistical Study of No-Erosion Filter (NEF) Test Results", , June 2009 Vol. , Num. 162, Page 0-0, June 2009,
- 69 Abbas Soroush, Piltan Tabatabaee Shoorijeh, "A Review of the No Erosion Filter Test", , May 2009 Vol. , Num. 3, Page 0-0, May 2009,
- 70 Abbas Soroush, Hossein Soltani Jigheh, "Pre-and Post -Cyclic Behavior of Mixed Clayey Soils", , January 2009 Vol. , Num. 46, Page 0-0, January 2009,
- 71 Roozbeh Shafipour Nourafshan, Abbas Soroush, "Fluid Coupled-DEM Modelling of Undrained Behavior of Granular Media", , September 2008 Vol. , Num. 35, Page 0-0, September 2008,
- 72 Abbas Soroush, Amir Hossein Amin Zadeh, Piltan Tabatabaee Shoorijeh, "Identifying Low-Fines Soils not Suited to NEF Testing", , August 2008 Vol. , Num. 161, Page 0-0, August 2008,
- 73 Hossein Soltani Jigheh, Abbas Soroush, "Post-cyclic behavior of compacted clay-sand mixtures", , September 2006 Vol. , Num. 3, Page 0-0, September 2006,
- 74 Taghi Ebadi, Hamid Khazaei, Abbas Soroush, "Effect of Cement Addition on Physical and Hydraulic properties of an Unsaturated Soil Used in Final Barrier Layer of Sanitary Landfills", , May 2006 Vol. 8, Num. 28, Page 2-13, May 2006,
- 75 Abbas Soroush, Ata Aghaei Araei, "Analysis of Behaviour of a High Rockfill Dam", , January 2006 Vol. , Num. 159, Page 0-0, January 2006,
- 76 Abbas Soroush, Roozbeh Foroozan, [en-name N/A], "Simulation of 3D Effect of Excavation Face Advancement Using an ANN Trained by Numerical Models", , January 2006 Vol. , Num. 11, Page 0-0, January 2006,
- 77 Abbas Soroush, Mohammad Soroush, "Parameters affecting the thickness of bentonite cake in cutoff wall construction : case study and physical modeling", , February 2005 Vol. , Num. 42, Page 0-0, February 2005,
- 78 Abbas Soroush, Sheila Koochi Fayegh Dehkordi, "Liquefaction- Induced Lateral Spreading -An Overview and Numerical Analysis", , December 2004 Vol. , Num. 4, Page 0-0, December 2004,
- 79 Abbas Soroush, P.M Byrne, H Puebla, "Canlex full - scale experiment and modeling", , June 2000 Vol. , Num. , Page 0-0, June 2000,

## Conference Papers

### Portal Records

- 1 Mohammadreza Ramezan Doulabi, Abbas Soroush, Piltan Tabatabaie Shourijeh, "Laboratory investigation of erodibility reduction of clayey soils with polymer additives ", 12th international congress on civil engineering, July 2021
- 2 Alireza Nazari, Abbas Soroush, "Behavior of a High Rockfill Dam with Clay Core During Nineteen Years of Observation ", ICOLD Symposium on Sustainable Development of Dams and River Basins, February 2021
- 3 Mohammad Khosravi, Mehran Pourakbar, Abbas Soroush, Saeed Zaregarizi, W. Y. Hung, Ali Nabizadeh, "DYNAMIC CENTRIFUGE TEST OF AN EMBANKMENT UNDERLAIN A LIQUIFIABLE SOIL AND ISOLATED SOIL-CEMENT COLUMNS ", 17th World Conference on Earthquake Engineering, 17WCEE, September 2020
- 4 Ahmad Rahimi, , Abbas Soroush, "Two Dimensional Dynamic Numerical modeling of Fault Propagation in Soils ", 12th National Congress On Civil Engineering, May 2020
- 5 Mohammad Amin Barfehee, , Abbas Soroush, "Three dimensional Numerical Modeling of Fault and Tunnel Interaction ", 12th National Congress On Civil Engineering, May 2020
- 6 Seddigheh Hasanpour Estahbanati, Reza Boushehri, Abbas Soroush, Omid Ghasemi-Fare, "Numerical Study of the Effects of Deep Excavations on Dynamic Performance of Buried Pipelines ", Geocongress 2020, February 2020
- 7 Seddigheh Hasanpour Estahbanati, Reza Boushehri, Abbas Soroush, Omid Ghasemi-Fare, "Numerical Analysis of Dynamic Response of Lifelines Facilities Adjacent to Deep excavations ", Geocongress 2020, February 2020








- 8 Reza Boushehri, Seddigheh Hasanpour Estahbanati, S.Majdeddin Mir Mohammad Hosseini, Abbas Soroush, "Influence of Reinforcement Parameters on the Seismic Response of Reinforced Earth Dams ", Geocongress 2020, February 2020
- 9 Abbas Soroush, Piltan Tabatabaie Shourijeh, "Measures to prevent internal erosion in embankment dams ", International Commission on Large Dams- Symposium: Sustainable and Safe Dams Around the World, June 2019
- 10 Amir Hossein Daneshi Sadr, Abbas Soroush, Piltan Tabatabaie Shourijeh, "Laboratory Study on Reducing Erodibility of Clayey Soils Using Additives ", 3rd Iranian Conference on Geotechnical Engineering, October 2018
- 11 Mehran Pourakbar, Abbas Soroush, Ata Aghaei Araei, "Low Stress Zones in Core of High Rockfill Dam using 3D Analyses ", 19th International Conference on Soil Mechanics and Geotechnical Engineering (19th ICSMGE), September 2017
- 12 Ali Akhtarpour, Abbas Soroush, Morteza Salari, "Pore water pressure development and dissipation in core of Masjed-e-soleyman rockfill dam ", Symposium as part of the 85th ICOLD Annual Meeting, July 2017
- 13 Mehran Pourakbar, Abbas Soroush, Ata Aghaei Araei, "3D analysis of behavior of a high rockfill dam in narrow canyon ", 5th International Conference on Geotechnical Engineering and Soil Mechanics, December 2016
- 14 Arman Maddah, Abbas Soroush, "Numerical investigation of strain level effects on excavation-induced deformations ", 5th International Conference on Geotechnical Engineering and Soil Mechanics, November 2016
- 15 Abbas Soroush, Piltan Tabatabaie Shourijeh, Sina Ramezani Foladi, "Evaluation of effects erodibility parameters of soils on deingn of no erosion filter ", 5th International Conference on Geotechnical Engineering and Soil Mechanics, November 2016
- 16 Sina Ramezani Foladi, Abbas Soroush, Piltan Tabatabaie Shourijeh, "Evaluation of effects of plasticity index on erodibility parameters of soil in HET apparatus ", 5th International Conference on Geotechnical Engineering and Soil Mechanics, November 2016
- 17 Zahra Ghafoorian Hesami, Abbas Soroush, Ahmad Taher Shamsi, Arman Maddah, "Effects of Material properties on core behavior of Masjed Soleyman Embankment/Rockfil Dam ", 10th International Congress on Civil Engineering, May 2015
- 18 Zahra Ghafoorian Hesami, Abbas Soroush, Arman Maddah, "Evaluation of effects of narrow valley on the behavior of the Masjed Soleyman dam using 2D and 3D numerical analyses ", 10th International Congress on Civil Engineering, May 2015
- 19 Abbas Soroush, Mohammad Mahdi Shahrabi, "Assessing shear strength of Tehran soil ", 2nd Iranian Conference on Geotechnical Engineering, October 2014
- 20 Mohammad Javad Shahiri Tabarestani, Abbas Soroush, "Effect of vertical space between tie backs on displacements of excavation walls ", 2nd Iranian Conference on Geotechnical Engineering, October 2014
- 21 Abbas Soroush, Sina Shamsmolavi, Piltan Tabatabaie Shourijeh, "Filter Design for Wet Core Embankment Dams in Wet Climates ", INTERNATIONAL SYMPOSIUM ON Dams in a Global Environmental Challenges, June 2014
- 22 Abbas Soroush, Mehdi Hashemzadeh, "Finite element analysis of the soil type effect on buried pipelines under strike-slip faulting ", Soil-Structure Interaction. Underground Structures and Retaining Walls, June 2014
- 23 Zahra Saffarzadeh Kermani, Abbas Soroush, Mehdi Hashemzadeh, "A comparison between 2D and 3D numerical modeling of reverse fault rupture propagation in embankment dams zoned ", 8th national congress on Civil Engineering, May 2014
- 24 Zahra Saffarzadeh Kermani, Abbas Soroush, Mehdi Hashemzadeh, "A comparison between 2D and 3D numerical modeling of reverse fault rupture propagation in s embankment dams homogeneou ", 8th national congress on Civil Engineering, May 2014
- 25 Mehdi Hashemzadeh, Abbas Soroush, Zahra Saffarzadeh Kermani, "Numerical analysis of behavior of buried steel pipes subjected to dip slip faults ", 8th national congress on Civil Engineering, May 2014
- 26 Mehdi Hashemzadeh, Abbas Soroush, Zahra Saffarzadeh Kermani, "Numerical analysis of behavior of buried polyethylene pipes subjected to dip slip faults ", 8th national congress on Civil Engineering, May 2014

- 27 Sina Shamsmolavi, Abbas Soroush, Piltan Tabatabaei Sourijeh, "Evaluation of Filter Criteria for Earth Dams with Wet core ", The first Iranian Conference on Geotechnical Engineering, October 2013
- 28 Roghieh Jannati Aghdam, Abbas Soroush, "Interpretation of stress-dependent mechanical behavior of rockfill materials ", The 18th international conference on soil mechanics and geotechnical engineering, September 2013
- 29 Sina Shamsmolavi, Abbas Soroush, Piltan Tabatabaei Shoorijeh, "Filter Design for Earth Dams: A Review of Two Case Histories ", 7th National Congress on Civil Engineering, May 2013
- 30 Mohammad Khoshini, Abbas Soroush, Mahda Mortazavizanjani, "Numerical Analysis of fault propagation: Evaluation of faulting-induced damages on rockfill dams ", 7th National Congress on Civil Engineering, May 2013
- 31 Mohammad Khoshini, Abbas Soroush, "Statistical evaluation of gradations and Atterberg Limits of core materials in large earth dams ", 7th National Congress on Civil Engineering, May 2013
- 32 Abbas Soroush, Piltan Tabatabae Shoorijeh, "Evaluation of Filter Criteria for Earth Dams for Core Materials with Low Plasticity ", problematic soils containing organic and mining soils as foundation and body of earth dams, January 2013
- 33 Roya Solhmirzaei, Abbas Soroush, Mahda Mortazavizanjani, "Fault Rupture Propagation through Level Ground and Sloping Sand Layers ", Fifteen World Conference on Earthquake Engineering, September 2012
- 34 Mahda Mortazavizanjani, Abbas Soroush, Roya Solhmirzaei, "Effect of Mechanical Soil Parameters on Fault Rupture Propagation through Granular Soils ", ( Fifteen World Conference on Earthquake Engineering (15WCEE, September 2012
- 35 Mojtaba Farahnak Langroudi, Abbas Soroush, Piltan Tabatabae Shoorijeh, "Effects of gradation on the internal instability of soils: a micromechanical approach using DEM ", 5th Asian Particle Technology Symposium , APT2012, July 2012
- 36 Abbas Soroush, Mojtaba Farahnak Langroudi, "Study of the Behavior of Internally Unstable Soils Using DEM ", 8th European Solid Mechanics Conference, July 2012
- 37 Mojtaba Farahnak Langroudi, Abbas Soroush, Roozbeh Shafipour Nourafshan, Piltan Tabatabae Shoorijeh, "Assessment of Internally Unstable Soils using DEM ", 9th International Congress on Civil Engineering, May 2012
- 38 Mojtaba Farahnak Langroudi, Abbas Soroush, Roozbeh Shafipour Nourafshan, Piltan Tabatabae Shoorijeh, "Evaluation of behaviour of internally unstable soils using DEM ", 9th International Congress on Civil Engineering, May 2012
- 39 Arman Maddah, Abbas Soroush, "2D Analysis of Earth Dams with Clay Core Constructed in Narrow Canyons ", 9th International Congress on Civil Engineering, May 2012
- 40 Roya Solhmirzaei, Abbas Soroush, Mahda Mortazavizanjani, "Numerical analysis of effects of fault rupture on overlying soil structures ", First International and third National Conference on Dams and Hydropowers, February 2012
- 41 Mehrnoosh Sadeghipour, Abbas Soroush, Arash Hiseinzadeh, "Analysis of pore water pressure of earth dams with clay core considering 3D effects of valley- case study: Marun Dam ", First International and third National Conference on Dams and Hydropowers, February 2012
- 42 Arman Maddah, Abbas Soroush, "Evaluation of effect of material type on the behavior of core of earth dams ", First International and third National Conference on Dams and Hydropowers, February 2012
- 43 Mehrnoosh Sadeghipour, Abbas Soroush, Arash Hiseinzadeh, "Analysis of horizontal deformations of earth dams with clay core considering 3D effects of valley- case study: Marun Dam ", First International and third National Conference on Dams and Hydropowers, February 2012
- 44 Mohsen Norouzi, Abbas Soroush, Esmail Aflaki, "Study of behavior of Masjd-e-soleyman rockfill dam using instruments results ", Frst International and Third National Conference on Dams and Hydropower, February 2012
- 45 Abbas Soroush, Piltan Tabatabae Shoorijeh,, "CONTROLLING INTERNAL EROSION IN EARTH DAMS AND THEIR FOUNDATIONS: CASE STUDIES ", Indian Geotechnical Conference, December 2011

- 46 Lohrasb Keykhosrowpour, Abbas Soroush, Seyed Mohammad Reza Imam, "A study on the behavior of a geosynthetic encased stone column group using 3D numerical analysis ", 2011Pan-Am CGS Geotechnical Conference, October 2011
- 47 Mahda Mortazavizanjani, Abbas Soroush, Roya Solhmirzaei, "Near surface distorsion under fault rupture propagation through soil ", First international conference on urban construction in the vicinity of active faults, September 2011
- 48 Abbas Soroush, Piltan Tabatabaee Shoorijeh, "Some long-term problems associated with suffusion in the foundation of embankment dams ", The International Symposium on Dams and Reservoirs under Changing Challenges, June 2011
- 49 Behrooz Ferdowsi, Abbas Soroush, "Study of the cyclic constant volume loading of the granular media from micromechanical aspects: effects of confining pressure and cyclic strain amplitude ", The 14th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, May 2011
- 50 Abbas Soroush, "Seepage and Deformations of Dams and their Monitoring ", The 14th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, May 2011
- 51 Mehrnoosh Sadeghipour, Abbas Soroush, Arash Hiseinzadeh, "Numerical Analysis of Rockfill Dams in Narrow Canyons- Case Study: Marun Dam ", The 14th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, May 2011
- 52 Lohrasb Keykhosrowpour, Abbas Soroush, Seyed Mohammad Reza Imam, "Study of the Effect of encased stone columns on the strength of soft soils using numerical analysis ", Sixth National Congress on Civil Engineering, April 2011
- 53 Hadi Ganjidost, Abbas Soroush, S.Jamshid Mousavi, "Determining Coefficient of Permeability of Mixed Clayey Soils Using Artificial Neural Networks ", 4th International Conference on Geotechnical Engineering and Soil Mechanics, November 2010
- 54 Mahdi Nobari Nasab, Arash Hiseinzadeh, Abbas Soroush, Vahid Lotfi, "Numerical Analysis of 3D and 2D Seepage in a high coConcrete Arch Dam ", 4th International Conference on Geotechnical Engineering and Soil Mechanics, November 2010
- 55 Hamed Farshbaf Aghajani, Abbas Soroush, "A New Analytical Solution for One Dimensional Flow in Unsaturated Soils ", Fifth International Conference on Unsaturated Soils, September 2010
- 56 Abbas Soroush, Piltan Tabatabaee Shoorijeh, Alireza Mohammadinia, "A critical investigation of some material specifications in CFRDs ", 78<sup>ème</sup> RE:union: ANNUELLE COLLOQUE INTERNATIONAL "BARRAGES ET DEVELOPPEMENT SOUTENABLE DES RESSOURCES EN EAU" Hanoi, Mai 2010, May 2010
- 57 Mozghan Asadzadeh, Abbas Soroush, Ata Aghaei Araei, "The Influence of Stress Level on the Shear Strength of Rockfill Materials ", 8th International Congress on Civil Engineering, January 2010
- 58 Behrooz Ferdowsi, Abbas Soroush, Roozbeh Shafipour Nourafshan, "Three Dimensional Discrete Elements Modeling of Undrained Monotonic and Cyclic Response of Granular Media- Micromechanical Perspective ", Particle-Based Methods, Fundamentals and Applications, November 2009
- 59 Behrooz Ferdowsi, Abbas Soroush, Roozbeh Shafipour Nourafshan, "Numerical Modeling of Undrained Cyclic Behavior of Granular Media Using Discrete Element Method ", ICADD9- The Ninth International Conference on Analysis of Discontinuous deformation, New Developments and Applications, November 2009
- 60 Abbas Soroush, Sina Sasanian, Hossein Soltani Jigheh, "Mixed versus clayey soils for the core of earth dams ", , October 2009
- 61 Abbas Soroush, Roghieh Jannati Aghdam, "Evaluation of Mechanical Behavior of Rockfill Materials Using the Hyperbolic Model ", The 1st International Symposium on Rockfill Dams, October 2009
- 62 Abbas Soroush, Saeedeh Tabarsaz, "Numerical analysis of a stone column group ", GEOHALIFAX 2009- 62nd Canadian Geotechnical Conference, September 2009
- 63 Abbas Soroush, Piltan Tabatabaee Shoorijeh, "Design and Construction Considerations to Reduce Internal Erosion Risks in Earth Dams ", 23rd International Congress on Large Dams, May 2009
- 64 Arash Azizi, Seyed Mohammad Reza Imam, Abbas Soroush, Rashid Zandian, "Behavior of Sand in Constant Deviatoric Stress Loading ", Prediction and Simulation Methods for Geohazard Mitigation, May 2009

- 65 Amirhosein Karbarshyadeh, Abbas Soroush, "A comparison between seismic behaviors of earth dams with inclined and vertical clay cores a numerical analysis approach ", , October 2008
- 66 [en-name N/A], Abbas Soroush, "Numerical analysis of an earth dam during construction and 1st impounding ", , June 2008
- 67 Abbas Soroush, Piltan Tabatabaee Shoorijeh, Mahdi Miri Disfani, "A Laboratory study on some factors affecting suffusion in soils ", , December 2007
- 68 Abbas Soroush, [en-name N/A], "Monitoring of an earth dam during construction and first impounding ", , June 2007
- 69 [en-name N/A], Arash Hiseinzadeh, Abbas Soroush, Vahid Lotfi, "Monitoring of a high concrete arch dam ", , June 2007
- 70 Piltan Tabatabaee Shoorijeh, Abbas Soroush, Mahdi Miri Disfani, "Segregation of transition materials: a possible cause of internal erosion in embankment dams ", , May 2007
- 71 Abbas Soroush, Mahdi Miri Disfani, Piltan Tabatabaee Shoorijeh, "Potential of internal instability in alluvial sediments ", , October 2006
- 72 [en-name N/A], Abbas Soroush, [en-name N/A], [en-name N/A], "Karun river hydropower cascade development and its socio- environmental impacts ", , June 2006
- 73 Abbas Soroush, Piltan Tabatabaee Shoorijeh, Mahdi Miri Disfani, "Filter Testing an essential aspect in designing filters for embankment dams ", , May 2006
- 74 Abbas Soroush, Ata Aghaei Araei, "Uncertainties in Mechanical Behavior of Rockfills during first Impounding of rockfill Dams ", , May 2005
- 75 Abbas Soroush, Hossein Soltani Jigheh, "numerical analysis of syncrude tailings dam considering strength anisotropy of foundation material ", , March 2005
- 76 Abbas Soroush, Piltan Tabatabaee Shoorijeh, "NEF Testing on a Case Study by a Relatively Largy-scal Filtration Apparatus ", , October 2004
- 77 Abbas Soroush, Mehdi Rayati, "Numerical analysis of karkheh dam founation and its cut \_ off wall subjected to earthquake loading ", , August 2004
- 78 Abbas Soroush, Sheila Koochi Fayegh Dehkordi, "Numerical analysis of liquefaction induced lateral spreading ", , August 2004
- 79 Abbas Soroush, Mohsen Rezaei, "Stability Analysis of the Sarcheshmeh Tailings Dam . ", , September 2003
- 80 Abbas Soroush, Hossein Soltani Jigheh, "Effects of shear stength anisotropy on stability of earth structures ", , September 2001
- 81 Abbas Soroush, "Effects of shear strength Anisotropy on stability of Soil structures ", , September 2001
- 82 Abbas Soroush, Mohammad Soroush, "parameters affecting thickness of bentonitic cack - a physical model study ", , October 2000
- 83 Abbas Soroush, "Plastic Concrete Cut\_off Wall in the Karkheh Dam: Review Of Some Construction Aspects and A Summary Of Opinions Of the Expert Panel ", , October 2000
- 84 Hamid Zargarpour, Abbas Soroush, "Geotechnical Engineering in Hydropower Projects in Iran ", , March 2000
- 85 Abbas Soroush, Mortaza Gharouninik, A.H Ghazvinian, "The Karun III Hydro\_Electric Project Review Of The April 12 1999 Event in The Underground Complex ", , March 2000
- 86 Abbas Soroush, [en-name N/A], "The Canadian Liquefaction Experiment :A Study Of Liquefaction ", , March 1999

## Taught Courses

#	Course title	Description	Headlines	Date
1	Foundation Engineering	Introducing analysis and design of shallow and deep foundations and retaining walls from both geotechnical and structural points of view (with more emphasis on geotechnical aspects)		Fall 2021
2	Theory of Plasticity	Introducing bases of continuum mechanics and elasticity theory . Introducing bases of plasticity theory and elastoplastic models		Spring 2021
3	Design of Embankment Dams	Introducing all aspects of design, construction, and monitoring of earth dams		Spring 2021
4	Technical English	Through this course students become familiar with vovabularies, Expressions and passages related to different fields of Civil Engineering		Fall 2020
5	Advanced Soil Mechanics (II)	Introducing advanced topics on soil fabric and behavior and effects of water on soils		Fall 2020