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University Address:

Faculty of Architecture and Art, University of Kashan, Kashan, Iran

Education:

Ph.D. Civil Engineering, Iran University of Science and Technology, Tehran, Iran, 2013.

M.Sc. Civil Engineering, Tarbiat Modares University, Tehran, Iran, 1997.

B.Sc. Civil Engineering, Isfahan University of Technology, Isfahan, Iran, 1993.

List of selected papers:

Sadeghpour, A.H.; Rabbani, N; Tafreshi, F; Winter 2023. **Analysis of Movement Mechanisms in Transformable Roofs Based on the Examination of Prominent Global Samples** . Journal of Iranian Architecture Studies, E-ISSN 2676-5020, Volume 22: 195-213.

Sadeghpour, A.H.; Alemi, B.; Parchebaf Motlagh F.; Autumn 2023, **Design Analysis of Noshabad Owi Underground Complex from the Perspective of Passive Defense**. Journal of Passive Defence, ISSN 2980-8030, E-ISSN 2008-6849 Vol. 14, No. 3, Serial No. 55; 65-82.

Sadeghpour, A.H.; Yavari, N.; **Analysis of Dynamic Mechanisms in Building Facades**. Winter 2022. Journal of Renewable and New Energy; Volume 9, Issue 2, Serial Number 18, 101-112, DOR: 20.1001.1.24234931.1401.9.2.11.4

Golkar, N. ; **Sadeghpour, A.H.** and Divandari, J. ; August 2021. **Drawing Inspiration From The Spine, Designing a Pedestrian Bridge**. Journal of Architecture and Urbanism , ISSN 2029-7599 / e ISSN 2029-7974, Volume 45 Issue 2: 119-130.

Sadeghpour, A.H., Shariatmadari, N.; Dogmehchi, F.; Karamdad , F., The assessment of effect of inert materials Evaluation of Fibers Effect on the Shear Strenght of Municipal Solid Waste. Amirkabir J.Civil Eng., 50(3) (2018), pp169-172, DOI:10.22060/CEEJ.2017.12575.5232.

Sabetgadam, M. ; Alami, B. ; **Sadeghpour, A.H.** and Pachenari, A.R.; Fall & Winter 2018. Form Optimization of Truss Columns by Inspiration of Helix in Bone Structure. Journal of Iranian Architecture & Urbanism, Vol.9, No.16, pp.157-168.

Shariatmadari, N. ; **Sadeghpour, A.H.** ; Karamdad , F. and Dogmehchi, F.; Evaluation of Fibers Effect on the Shear Strenght of Municipal Solid Waste. Amirkabir J.Civil Eng., 50(3) (2018), pp169-172, DOI:10.22060/CEEJ.2017.12575.5232.

Jorkesh, Z. ; Ajalloeian, R. ; **Sadeghpour, A.H.** and Kalantar Hormozi, M.J.; The Effect of Brine Water on Engineering Characteristics Changes of Sandstones. Scientific Quarterly Journal, GEOSCIENCES, Vol. 26, No. 104, Summer 2017, pp251-260.

Mansouri, H. ; Jorkesh, Z. ; Ajalloeian R. and **Sadeghpour, A.H.**; July 2016. Investigating effects of water salinity on geotechnical properties of fine-grained soil and quartz in a sandstone case study: Ajichay project in northwest Iran. Bulletin of Engineering Geology and the Environment, Springer, ISSN:1435-9529, pp. 1-12.

Shariatmadari, N. ; **Sadeghpour, A.H.** ; and Mokhtari, M.; March 2015. Aging effect on physical properties of municipal solid waste at the Kahrizak Landfill, Iran. international Journal of Civil Engineering. Vol. 13, No.1, Transaction A: Civil Engineering, pp. 126-136.

Derakhshandi, M.; Pourbagherian, H.R.; Baziar, M.H.; Shariatmadari, N. and **Sadeghpour, A.H.**; December 2014. Numerical analysis and monitoring of a rockfill dam at the end of construction. international Journal of Civil Engineering. Vol. 12, No.4, Transaction B: Geotechnical Engineering, ISSN:1735-0522, pp. 226-237.

Shariatmadari, N. ; **Sadeghpour, A.H.** ; and Razaghian, F.; July 2014. Effects of aging on shear strength behavior of municipal solid waste. international Journal of Civil Engineering. Vol. 12, No.3, Transaction B: Geotechnical Engineering, pp. 326-337.

Ajalloeian, A.; Mansouri. H. and **Sadeghpour, A.H.**; 2013. Effect of Saline Water on Geotechnical Properties of Fine-grained Soil. Electronic Journal of Geotechnical Engineering (EJGE), Vol.18, Bund.G, ISSN:1089-3032, pp1419-1435.

Mansouri, H.; Ajalloeian, A. and **Sadeghpour, A.H.**; 2013. The Investigation of Salinity Effects on Behavioral Parameters of Fine-Grained Soils. 7th International Conference on Case Histories in Geotechnical Engineering, Chicago, USA.

Derakhshandi, M.; Honarmand, M. and **Sadeghpour, A.H.**; 2013. A Comparison of Three and Two-Dimensional Analyses of Rock fill Dams in Narrow Valleys(A Case Study: The Vanyar Dam). 7th International Conference on Case Histories in Geotechnical Engineering, Chicago, USA.

Torkianfar,F., Jafari,H., **Sadeghpour,A.H.**,(2010). Endangerment Survey of Construction Activities on Shore Line. Journal of Environmental Studies , Volume 35, Number 52, 43-55

Ghanbari,A., **Sadeghpour, .H.**, Mohamadzadeh,H., Mohamadzadeh, M., (2008). An Experimental Study on the Behavior of Rockfill Materials Using Large Scale Tests. EJGE, Vol.13, Bund.G.

Sadeghpour,A.H., Ghanbari, A.,(2007). Studying Groundwater Controlling Method During Deep Excavations, Case Study,Shahid Madani Dam Excavation. Geotechnique & Strength of Materials Journal ,Vol.24, Spring 2007, 43-53.

Sadeghpour, A.H., (2005). Preliminary Evaluation of Design Parameters of Rockfill Materials in Break Water of Pars Petrochemical Harbor of Assaluyeh. *Geotechnique & Strength of Materials Journal* ,Vol.21, winter 2005, 43-53.

Sadeghpour, A.H., (2001). Study of Particle Breakage in Rockfill Material. *Geotechnique & Strength of Materials Journal* ,Vol.18, winter 2001, 51-62.

Sadeghpour, A.H., (1998). Metod of Sampling for Rockfill Dam Shell Materials. *Geotechnique & Strength of Materials Journal* ,Vol.16, Autumn and winter 1998, 1-8.

Sadeghpour, A.H., Asgari, j., Mojezi, M., (2008). Study of Instability Event of Rock Trench in Vanyar Dam Spillway. 6th Iinternational Conference on Case Histories in Geotechnical Engineering, Arlington, VA, USA.

Sadeghpour, A.H., Qanbari, A, Fadaie, M. (2008). Groundwater Lowering in Deep Excavation, Casestudy :Foundation Excavation of Shahid Madani Dam. 6th Iinternational Conference on Case Histories in Geotechnical Engineering, Arlington, VA, USA.

Mansouri, H.; Ajalloeian, A. and **Sadeghpour, A.H.**; 2013. The Investigation of Salinity Effects on Behavioral Parameters of Fine-Grained Soils. 7th International Conference on Case Histories in Geotechnical Engineering, Chicago, USA.

Derakhshandi, M.; Honarmand, M. and **Sadeghpour, A.H.**; 2013. A Comparison of Three and Two-Dimensional Analyses of Rock fill Dams in Narrow Valleys(A Case Study: The Vanyar Dam). 7th International Conference on Case Histories in Geotechnical Engineering, Chicago, USA.

Membership of Professional Associations:

International society for soil mechanics and geotechnical engineering (ISMG)

Iranian construction engineers organization (ICEO)

Iranian committee on large dams (IRCOLD)

Iranian geotechnical society (IGS)

Referee for Journal Articles

AMIRKABIR JOURNAL OF CIVIL ENGINEERING

SHARIF JOURNAL (CIVIL ENGINEERING)

JOURNAL OF ENGINEERING GEOLOGY

JOURNAL OF IRANIAN ARCHITECTURE STUDIES

Consulting Experience: (1998 – now)

Activities performed:

Analyzing of dam body in different position such as earthquake, rapid draw down, study state, design of dam body element, control of stability of upstream and downstream slops, design of foundation excavation, design of monitoring system, study and investigation of borrow area, design of diversion tunnel structure, control of abutments stability, design of foundation.

Positions held:

Project manager / Head of the geotechnical department/ Head of foundation and dam body and Instrumentation group/ member of dam foundation, dam body and Instrumentation design group

Name of some projects:

- 1) Tajyar earth dam and irrigation and drainage system, Sarab, Iran.
- 2) Aghbolagh earth dam and irrigation and drainage system, Brojen, Iran.
- 3) Cheshmezane earth dam and irrigation and drainage system, Shahrekord, Iran.
- 4) Rodbar rockfill dam and Hydropower, Lorestan , Iran.
- 5) Khoshksaray storage dam and irrigation and drainage system, Marand, Iran.
- 6) Shirinab earth dam and irrigation and drainage system, Khuzestan, Iran.
- 7) Sardasht rockfill dam and irrigation and drainage system, Khuzestân , Iran.
- 8) Seydon earth dam, Khozestan, Iran.
- 9) Rehabilitation of the Korit old dam, Tabas, Iran.
- 10) Abolfares earth dam and irrigation and drainage system, Khuzestan, Iran.
- 11) Tazekand earth dam, Iran.
- 12) Bazoft concrete arc dam, Rodbar, Iran
- 13) lirab storage dam and Hydropower, Iran
- 14) Vanyar rockfill dam and irrigation and drainage system, Tabriz, Iran
- 15) Minoo Island irrigation and drainage system, Khuzestan, Iran.
- 16) Genaveh Island prison building, Genaveh Island, Iran.