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650

**Supervised PhD Theses**

#	Thesis title	By	Date
1	Classification and modeling of workers risk levels by a human behavior-based approach	Mehdi Mohajeri & Abdollah Ardeshir	March 2021
2	Effect of protective spur dike on reduction of local scour around spur dikes (Experimental Investigation)	Hojjat Karami & Abdollah Ardeshir	May 2011
3	development of optimal sampling design methods for calibration of water distribution networks by using multi-criteria decision making	Kouros Behzadian Moghaddam & Abdollah Ardeshir	May 2008

**Supervised MSc Theses**

#	Thesis title	By	Date
1	Investigation of flood-prone areas and urban flood risk assessment; case study: darvezeh Quran, shiraz	Hossein Konarizadeh & Abdollah Ardeshir	February 2021
2	Evaluation of Safety Risk for Construction of Gas Pipeline Projects in Zanjan	Parviz Rasouli & Abdollah Ardeshir	February 2021
3	Provide an Optimal HSE Management system model in Bridge Construction project Study of the First Phase of Freeway of Tehran - North	Alireza Amanzadeh & Abdollah Ardeshir	January 2021

4	Enterprise Risk Management in Transportation Infrastructure	Mohammad Shokoohi Targhi & Abdollah Ardeshir	October 2020
5	Reducing the effect of unpredictable risk with AR in construction	Seyedomid Najmi & Abdollah Ardeshir	September 2020
6	Impact of safety perceptions of factors involved in construction projects on safety culture	Milad Tahmasebi Ashtiani & Abdollah Ardeshir	July 2020
7	Designing an expert fuzzy system based on a data for selecting personnel of civil engineering organization rely on personology criteria	Pouria Bayatpoor & Abdollah Ardeshir	February 2020
8	Creating a safety cultural framework for large construction companies	Mohammad Ali Abdoli Fahadan & Abdollah Ardeshir	February 2020
9	Provide an Optimal Model for HSE Management System in Tunneling Construction Projects ; case of study first phase of Freeway of Tehran - North	Adel Gholami & Abdollah Ardeshir	December 2019
10	Evaluation of dynamic safety riskv during construction based on real-time location	Sina Shafighi & Abdollah Ardeshir	March 2019
11	Improvement of performance of wastewater treatment plant with the focus on reduction in greenhouse gas emissions and energy consumption	Amirreza Behzadian Moghadam & Abdollah Ardeshir	February 2019
12	Integrated Risk Management and Proactive Scheduling of Construction Projects	Ziba Danande Kolli & Abdollah Ardeshir	February 2019
13	Optimization in Storm Water Detention Basins with Sustainable Development Consideration	Mohammad Jamali & Abdollah Ardeshir	February 2019
14	Dynamic scheduling of building projects by integrating BIM and semantic web	Ebrahim Dadgar & Abdollah Ardeshir	February 2019
15	assessment of factors regarding enhancement of the human resources performance efficiency in contracting organizations	Hassan Aghsaei & Abdollah Ardeshir	February 2019
16	Development of a safety conflict identification system in construction projects at the design	Armin Rashidi Nasab & Abdollah Ardeshir	February 2019
17	Evaluation and control of urban flood damage using fault tree approach	Peyman Salimi & Abdollah Ardeshir	January 2019
18	Safety risk assessment and prioritization of oil tanks project; case study oil depots of Tehran	Mohammad Shojaeih & Abdollah Ardeshir	November 2018
19	Codification of criteria decision making for construction project financing by stock market and securitization	Mohammad Jafari Sharif Abadi & Abdollah Ardeshir	February 2018
20	The effect of organizational and safety culture implementation on construction projects risk and cost for health and safety improvement	Mohammda Ali Eskandarizadeh & Abdollah Ardeshir	February 2018
21	Investment pattern for safety management in construction sites	Ali Daroogheh & Abdollah Ardeshir	February 2018
22	Planning and Management of Urban Runoff using Smart Rainwater Harvesting Systems and LID	Farshad Fallah & Abdollah Ardeshir	October 2017
23	Workplace safety assessment system based on inspection and improving solution in building projects	Seyed Ali Ahmadi & Abdollah Ardeshir	October 2017

24	Introduction and using improved lightweight material in construction industry to reduce energy consumption on approach to sustainable development	Pedram Farnood Ahmadi & Abdollah Ardeshir	October 2017
25	study of flow field around bridge pier and abutment in a fixed bed	Yashar Makhtoumi & Abdollah Ardeshir	February 2017
26	Using value engineering approach in risk analysis and the cost of temporary retaining structures in Tehran subway	Ghazaleh Saghari & Abdollah Ardeshir	February 2017
27	Risk perception assessment for personal safety in construction sites in Tehran as case study	Saba Soori & Abdollah Ardeshir	January 2017
28	Risk assessment of chlorination in urban water distribution networks	Milad Edrisi & Abdollah Ardeshir	May 2016
29	A fuzzy evaluation system for safety management on construction site	Saeed Pirasteh & Abdollah Ardeshir	February 2016
30	Effect of foreman (supervision) in safety management on the site considering human resources	Elham Andarabi & Abdollah Ardeshir	February 2016
31	A novel method for financing of highway construction project in Iran with risk sharing approach	Mehdi Hokmelahi & Abdollah Ardeshir	October 2015
32	Risk Analysis of pollutants in urban stormwater drainage systems	Masoud Naderzadeh & Abdollah Ardeshir	October 2015
33	Investigating the performance of permeable reactive barriers (PRBs) for heavy metals removal from groundwater by electrokinetic method	Alireza Anjam & Abdollah Ardeshir	October 2015
34	evaluation and risk analysis of industrialized building system (case study in Tehran, using fuzzy logic method)	Mohammad Hosein Davtala & Abdollah Ardeshir	February 2015
35	Risk assessment in design of construction projects (urban tunneling) for sustainable development	Khashayar Rahimzadeh & Abdollah Ardeshir	February 2015
36	Risk management and Assessment of HSE by fuzzy method in construction industry	Seyed Hashem Mirahmadian Babaahmadi & Abdollah Ardeshir	February 2015
37	consequence analysis explosion	Abdollah Zobdeh Nojokambary & Abdollah Ardeshir	February 2015
38	Optimal Rehabilitation of water distribution system considering economic and environmental approaches	Farshid Rahmani & Abdollah Ardeshir	February 2015
39	Development of optimal and environmentally compatible methods in urban flood management	Mozhgan Karami & Abdollah Ardeshir	December 2014
40	Development and investigation of improvement techniques for strategic management in human resources section and establishment of a smart model to increase the efficiency of human resources	Saeid Ahmadi & Abdollah Ardeshir	December 2014
41	Risk Analysis of Urban Water Systems Under Water Shortage Conditions	Saeed Alizadeh Anarkouly & Abdollah Ardeshir	October 2014
42	Risk management of urban flooding, using modern approaches based on evolutionary algorithms locating reservoirs	Mehran Malekmohammadi & Abdollah Ardeshir	October 2014
43	experimental investigation of the role of sacrificial groin in reducing scouring phenomenon	Yasin Gafari Gorabi & Abdollah Ardeshir	February 2014

44	optimal model for green buildings based on leed	Milad Araghi & Abdollah Ardeshir	October 2013
45	assessment and ranking of risks in an urban storm water collection system	Mahsa Soleimani & Abdollah Ardeshir	October 2013
46	Evaluationof capability and reliability in urban water distribution network	Mohammad Hossein Ali Ghardashi & Abdollah Ardeshir	October 2013
47	Identifying and assessing highway project risks	Mohsen Ahmadi & Abdollah Ardeshir	October 2013
48	Pressure Management in Water Distribution Networks by Multi-objective Optimization Methods	Hashem Zahedipour & Abdollah Ardeshir	September 2013
49	tall building project risk assessment with a fuzzy approach	Mohammad Rekab Islami Zadeh & Abdollah Ardeshir	February 2013
50	risk reduction in construction projects with an attitude to safetyduring the construction (case study mass construction in kerman	Mehdi Mohajeri & Abdollah Ardeshir	February 2013
51	Optimal Flood Management in Urban Water Collection and Conveyance Systems by Multi-objective Genetic Algorithm	Kambiz Salari & Abdollah Ardeshir	October 2012
52	Risk Assessment for Tunnel Construction Using Fuzzy Approach (Case Study Tohid Tunnel)	Yahya Ghasemi & Abdollah Ardeshir	June 2012
53	Evaluation of the causes of changes in construction project & design a model to control and reduction in delays and claims caused by it	Seyyedvaliallah Sajjadibafghi & Abdollah Ardeshir	May 2012
54	Design a Project Portfolio Management Information System (PPMIS)	Hamed Omid & Abdollah Ardeshir	February 2012
55	Optimal Location of Disinfection Systems in Water Distribution Networks using Multi-objective Genetic Algorithm	Mohammad Alimohammadnezhad & Abdollah Ardeshir	February 2011
56	Numerical modeling of flow and scouring around spur dike in rigid bed and unstable bed	Hossein Basser & Abdollah Ardeshir	February 2011
57	Experimental Study on Reduction of Local Scour around Abutments Using Collar	Roholah Cheraghi & Abdollah Ardeshir	February 2011
58	Methods of error reduction of DEM for hydrologic applications in GIS	Seyedhooman Eskafi Vagheee & Abdollah Ardeshir	October 2010
59	Optimization of Waste Water and Collection Network Using Uncertainty Analyze (Case Study of YAZD Town)	Sid Mohammad Hosein Jesmanian & Abdollah Ardeshir	August 2010
60	Survey and analysis of the reasons for delaying in Construction projects By Approach Reduction Loss and Presentation Solution )case study of Dam Building (	Reza Aliverdi & Abdollah Ardeshir	July 2010
61	Management of leakage controlling in water distribution systems	Sina Keshmiri & Abdollah Ardeshir	April 2010
62	Modeling of Failure Events in Water Distribution Networks	Sara Farzin & Abdollah Ardeshir	January 2010

63	A fuzzy approach to construction projects risk assessment and analysis	Eiman Rafiezadeh & Abdollah Ardeshir	December 2009
64	Analysis of Cascade Dam Break having Risk Reduction in GIS(Case Study	Elham Arjangi & Abdollah Ardeshir	September 2009
65	Mapping regional flood models into the stream networks with GIS	Mahdi Bagheri & Abdollah Ardeshir	February 2009
66	Rainfall runoff modeling by regional methods in GIS environment	Nima Sabok Roohieh & Abdollah Ardeshir	February 2009
67	Optimal Location of Hydraulics Structures with Multi-criteria using Fuzzy Logic in GIS	Seyed Nasir Eddin Mohseni & Abdollah Ardeshir	February 2009
68	Codification of HSE-MS Structure in Oil and Gas Refinery (Case Study	Iman Rezaei Sangsaraki & Abdollah Ardeshir	December 2008

## Books

#	Title	Author(s)	Publisher country	publication date	version
<b>Portal Records</b>					
1	Safety Management in Construction Sites	Abdollah Ardeshir, Mehran Amiri Ghalehno	Iran (Islamic Republic of)	September 2013	1
2	HSE in Building Design and Construction	Akbar Torkashvand, Abdollah Ardeshir	Iran (Islamic Republic of)	September 2012	1
3	Management of Stormwater Collection Systems and Flood Control	Abdollah Ardeshir	Iran (Islamic Republic of)	May 2017	2
4	Managing Risk in Construction Projects	Abdollah Ardeshir, Hassan Maleki Tabar	Iran (Islamic Republic of)	May 2014	1
5	Management of Stormwater Collection Systems and Flood Control	Abdollah Ardeshir, Kourosh Behzadian	Iran (Islamic Republic of)	January 2017	1
6	Network Scheduling and control techniques for construction projects	Abdollah Ardeshir, Yagub Alipouri, Hadi Ardeshir	Iran (Islamic Republic of)	April 2015	1

## Journal Papers

### Portal Records

- 1 Rezaee Mojtaba, Eghbal Shakeri, Abdollah Ardeshir, Hassan Maleki Tabar, "Optimizing travel distance of construction workers considering their behavioral uncertainty using fuzzy graph theory", AUTOMATION IN CONSTRUCTION, January 2021 Vol. 124, Num. 15, Page 1-15, January 2021,
- 2 Mohammadreza Jafarian, Abdollah Ardeshir, Afshin Firozi Boyaghchi, "Assessing Financial Risk in Public-Private Partnership Financing for Road Construction Projects in Iran Using Uncertainty Conditions Approach", Journal of Applied Engineering Sciences, November 2020 Vol. 10, Num. 2, Page 139-146, November 2020,
- 3 Mehdi Mohajeri, Abdollah Ardeshir, Mohammad Taghi Banki, Hassan Maleki Tabar, "Discovering causality patterns of unsafe behavior leading to fall hazards on construction sites", International journal of construction management, October 2020 Vol. 0, Num. 0, Page 1-11, October 2020,

- 4 Mehdi Mohajeri, Abdollah Ardeshir, Mohammad Taghi Banki, "Using Association Rules to Investigate Causality Patterns of Safety-Related Incidents in the Construction Industry", *SCIENTIA IRANICA TRANSACTION A-CIVIL ENGINEERING*, June 2020 Vol. 0, Num. 0, Page 1-16, June 2020,
- 5 Amin Atarodi, Hojat Karami, Abdollah Ardeshir, Khosro Hoseini, "Optimization of the Geometric Parameters of the Protective Spur Dike using Taguchi Method and GRA", *Journal of Science and Technology of Agriculture and Natural Resources*, May 2020 Vol. 24, Num. 1, Page 13-26, May 2020,
- 6 Amin Atarodi, Hojat Karami, Abdollah Ardeshir, Khosro Hoseini, David Lampert, "Experimental Investigation of Scour Reduction Around Spur Dikes by Collar Using Taguchi Method", *Iranian Journal of Science and Technology Transactions of Civil Engineering*, March 2020 Vol. 6, Num. 0, Page 1-13, March 2020,
- 7 Abdollah Ardeshir, Pedram Farnood Ahmadi, Hamid Bayat, "A Prioritization Model for HSE Risk Assessment Using Combined Failure Mode and Effect Analysis and Fuzzy Inference System: A Case Study in Iranian Construction Industry", *International Journal of Engineering*, September 2018 Vol. 31, Num. 9, Page 1487-1497, September 2018,
- 8 Meysam Ebrahiminejad, Eghbal Shakeri, Abdollah Ardeshir, Mohammad Hossein Fazel Zarandi, "An Object-Oriented Model for Construction Method Selection in Buildings using Fuzzy Information", *ENERGY AND BUILDINGS*, August 2018 Vol. 178, Num. 1, Page 228-241, August 2018,
- 9 Yagub Alipouri, Mohammad Hassan Sebt, Abdollah Ardeshir, Weng Tat Chan, "Solving the FS-RCPPSP with hyper-heuristics: A policy-driven approach", *JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY*, March 2018 Vol. -, Num. 0, Page 1-17, March 2018,
- 10 Hassan Maleki Tabar, Abdollah Ardeshir, Mohammad Hassan Sebt, Rudi Stouffs, Evelyn Ai Lin Teo, "On the calculus of risk in construction projects ; contradictory theories and a rationalized approach", *SAFETY SCIENCE*, February 2018 Vol. 101, Num. 0, Page 72-85, February 2018,
- 11 Abdollah Ardeshir, Mehdi Mohajeri, "Assessment of safety culture among job positions in high-rise construction: a hybrid fuzzy multi criteria decision-making (FMCDM) approach", *International Journal of Injury Control and Safety Promotio*, January 2018 Vol. 0, Num. 0, Page 1-12, January 2018,
- 12 Hessam Youneszadeh, Abdollah Ardeshir, Mohammad Hassan Sebt, "Exploring Critical Success Factors in Urban Housing Projects Using Fuzzy Analytic Network Process", *Civil Engineering Journal-TEHRAN-OPEN*, November 2017 Vol. 3, Num. 11, Page 1-14, November 2017,
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- 15 Mehran Amiri Ghale No, Abdollah Ardeshir, Mohammad Hossein Fazel Zarandi, "Fuzzy probabilistic expert system for occupational hazard assessment in construction", *SAFETY SCIENCE*, January 2017 Vol. 93, Num. 0, Page 16-28, January 2017,
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- 17 Abdollah Ardeshir, Mehdi Mohajeri, Mehran Amiri, "Evaluation of safety risks in construction using Fuzzy Failure Mode and Effect Analysis (FFMEA)", *SCIENTIA IRANICA TRANSACTION A-CIVIL ENGINEERING*, October 2016 Vol. 23, Num. 6, Page 2546-2556, October 2016,
- 18 Mohsen Ahmadi, Kourosh Behzadian, Abdollah Ardeshir, Zoran Kaplan, "Comprehensive risk management using fuzzy FMEA and MCDA techniques in highway construction projects", *JOURNAL OF CIVIL ENGINEERING AND MANAGEMENT*, July 2016 Vol. -, Num. 0, Page 1-11, July 2016,
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- 26 Farshid Rahmani, Kourosh Behzadian, Abdollah Ardeshir, "Rehabilitation of a Water Distribution System Using Sequential Multiobjective Optimization Models", *JOURNAL OF WATER RESOURCES PLANNING AND MANAGEMENT-ASCE*, September 2015 Vol. 0, Num. 0, Page 0-0, September 2015,
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- 29 Abdollah Ardeshir, Reza Maknoon, Mohammad Reza Islami Zadeh, Zeinab Jahantab, "HSE risks assessment in urban high-rise construction using Fuzzy Approach", *Journal of Health and Safety at Work*, June 2015 Vol. 5, Num. 2, Page 1-13, June 2015,
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- 31 Saber Sabourian Sarroodi, Abdollah Ardeshir, Kourosh Behzadian Moghadam, Fatemeh Jaliliani, "Optimal Site Location for Booster Stations of Chlorine Injection with non-linear Decay Rate in Water Distribution System", *Journal of Water & Wastewater*, March 2015 Vol. 25, Num. 6, Page 77-87, March 2015,
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- 33 Abdollah Ardeshir, Yagub Alipouri, Peyman Besmel, "A Survey of Factors Influencing Safety Performance of workers in Construction Sites Using Fuzzy Analytic Hierarchy Process (Case Study: Khuzestan province)", *Iran Occupational Health*, February 2015 Vol. 11, Num. 6, Page 64-74, February 2015,
- 34 Abdollah Ardeshir, Mehran Amiri Ghalehno, Yahya Ghasemi, Mark Errington, "Risk assessment of construction projects for water conveyance tunnels using fuzzy fault tree analysis", *INTERNATIONAL JOURNAL OF CIVIL ENGINEERING*, December 2014 Vol. 12, Num. 4, Page 396-412, December 2014,
- 35 Roozbeh Ghazal, Abdollah Ardeshir, Iman Zahedirad, "Climate Change and Stormwater Management Strategies in Tehran", *Procedia Engineering*, December 2014 Vol. -, Num. 89, Page 780-787, December 2014,
- 36 Mehran Amiri Ghalehno, Abdollah Ardeshir, Elahe Soltanaghaei, "Analysis of High Risk Occupational Accidents in Construction Industry Using Data-mining Methods", *Iran Occupational Health*, October 2014 Vol. 11, Num. 4, Page 31-43, October 2014,
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- 39 Mehran Amiri Ghalehno, Abdollah Ardeshir, Mohammad Hossein Fazel Zarandi, "Risk-based Analysis of Construction Accidents in Iran During 2007-2011- Meta Analyze Study", *IRANIAN JOURNAL OF PUBLIC HEALTH*, April 2014 Vol. 43, Num. 4, Page 507-522, April 2014,
- 40 Abdollah Ardeshir, Seyed Nasir Eddin Mohseni, Kourosh Behzadian Moghadam, Mark Errington, "Selection of a Bridge Construction Site Using Fuzzy Analytical Hierarchy Process in Geographic Information System", *ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING*, April 2014 Vol. 0, Num. 0, Page 1-16, April 2014,
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- 42 Hassan Ghassemi, Amin, Abdollah Ardeshir, "getting in the flow", *NAVAL ARCHITECT*, August 2013 Vol. 110, Num. 8, Page 64-70, August 2013,
- 43 Amir Hosein Javid, Abdollah Ardeshir, Mehdi Borghei, Amir Hesam Hasani, Mohsen Eslamizadeh, "Investigation of solubility of Polycyclic Aromatic Hydrocarbons (PAHs) resulting from oil leakage in ground water in Rey aquifer", *ARCHIVES DES SCIENCES*, July 2013 Vol. 65, Num. 7, Page 251-267, July 2013,
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- 45 Mehran Amiri Ghalehno, Abdollah Ardeshir, "Improving Occupational Safety in Construction Industry through Application of Experience Modification Rating (EMR)", *Safety Message*, June 2013 Vol. 11, Num. 42, Page 16-17, June 2013,
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