

ABBAS FATHI AZAR KALKHORAN

EDUCATION

Nov 2022 Ongoing	Ph.D. Risk and Resilience Engineering of Natural, Industrial, and Built Environments Integrated Structural Measures for Seismic-Flood Risk Reduction and Environmental Sustainability at the Urban Scale	
Sept 2011 Sept 2013	Master in Earthquake Engineering Technical and Engineering Campus of Shahid Beheshti University (former Power and Water University of Technology - PWUT). Tehran, Iran Thesis: Soil amplification model for Urmia city considering the nonlinear behavior of soil	GPA: 17.89 From 20 (89%) (3.72 / 4.00)
Sept 2007 July 2011	Bachelor of Civil Engineering Pardisan Institute of Higher Education. Mazandaran, Iran	GPA: 17.46 From 20 (87%)

HONORS

Sept 2013	Ranked 2nd among 15 M.Sc. graduates of Earthquake Engineering, Power and Water University of Technology
Sept 2011	Admitted for pursuing graduate studies at Power and Water University of Technology using the privilege given by the National Organization for Development of Exceptional Talents
July 2011	Ranked 2nd among 61 B.Sc. graduates of Civil Engineering, Pardisan Institute of Higher Education
Sept 2008 & 2009	Winner of Pardisan Institute of Higher Education Scholarship Program (tuition waiver)

PUBLICATIONS (ResearchGate link: <https://www.researchgate.net/profile/Abbas-Fathiazar>)

TECHNICAL TEACHING EXPERIENCE

Jan 2021	Introduction to seismic assessment of existing buildings based on ASCE 41-17.	I presented these topics as a part of the Capacity Building and Training Program for our client's engineers (RAJUK) under the scope of URP S4 and S5 projects. Some of them are online, and some in-person in Dhaka, Bangladesh. (Link)
Sept 2020	Introduction to Fragility and Vulnerability curves	
Aug 2020	Geotechnical investigation for microzonation and risk assessment	
July 2020	Soil Modeling for one-dimensional site response analysis.	
May 2020	Non-Destructive Tests for PEA studies	
April 2020	Preliminary Engineering Assessment (PEA) method statement.	
May 2019	Microtremor-based microzonation.	
Feb 2019	Risk sensitive Land use planning (RSLUP) and Seismic Hazard Microzonation (SHM).	
Jun 2016 - May 2015	Seismic hazard analysis, Shahid Beheshti University, Tehran, Iran	

Sept 2012- June 2013	Power and Water University of Technology, Tehran, Iran. Teaching Assistant on Seismic Hazard Analyses and Design of Steel Structures
Sept 2009- June 2011	Pardisan Institute of Higher Education, Mazandaran, Iran. Teaching Assistant on Structural Analysis II, Structural Analysis I, Mechanics of Materials I, and Fluid Mechanics

PROFESSIONAL EXPERIENCES

Period	Company and Position
Oct 2020 - Mar 2022	Joint Venture of NKY, Protek, Sheltek: Chief Technical Officer (URP-S4 Component)
Feb 2019 - Oct 2020	Joint Venture of NKY, Protek, Sheltek: Chief Technical Officer (URP-S5 Component)
Oct 2017 – Aug 2018	Chase - Mandro Consulting Engineers On-Site Laboratory in charge
Sept 2017	Tehran Construction Engineering Organization (TCEO) Construction Supervisor
Feb 2015 - Mar 2017	Soil Engineering Services (SES) Consulting Engineers Project Engineer
Sept 2011 - 2022	Free-Lancing projects