

Siavash Pouryousefi Markhali

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EDUCATION

2011 – 2013 Master of Science (Civil-Environmental Eng.)
Khajeh Nasir University of Technology (K.N.Toosi) – Iran

Thesis Topic: Numerical Simulation of Suspended Sediment Transport in Aras River

Supervisor(s): Prof. Majid Ehteshami, Prof. Seyed Amirodin Sadrnejad

2004 – 2010 Bachelor of Science (Track and Railway Structure Eng.)
Iran University of Science and Technology (IUST) – Iran

Thesis Topic: Impact Assessment of Earthquake Scenarios on Tehran Railway Station

Supervisor(s): Prof. Nasr Azadani

CERTIFICATES

2017 CSHS certificate for attending Principles of Hydrologic Modelling
University of Waterloo

ACADEMIC EXPERIENCE

2017 – 2018 (October) Research Assistant
Department of Building, Civil, Environmental Engineering,
Concordia University, Canada

2015 – 2016 Research Assistant
Department of Civil Engineering, K.N.Toosi University of
Technology, Iran

2012 – 2013 Teacher Assistant
Department of Civil Engineering, K.N.Toosi University of
Technology, Iran

RESEARCH PUBLICATIONS

- 1- **Markhali, S. P., & Ehteshami, M. (2016).** Environmental assessment of leachate transport in saturated homogeneous media using finite element modelling. *Environmental Earth Sciences*, 75(16), 1193. (**Springer**)
- 2- **Merkhali, S. P., Ehteshami, M., & Sadrnejad, S. A. (2015).** Assessment quality of a nonuniform suspended sediment transport model under unsteady flow condition (case study: Aras River). *Water and Environment Journal*, 29(4), 489-498. (**Wiley online library**)

SKILLS AND COMPETENCIES

Some of my computer skills;

- C++
- Matlab
- Raven Hydrological Framework
- Ostrich Optimization Tool
- Android Programming

LANGUAGE PROFICIENCY

TOEFL iBT: 102 (Reading: 29, Listening: 29, Speaking: 22, Writing: 22)

GRE: 317 (Analytical Writing: 3, Verbal: 152, Quantitative: 165)

INTERESTS

- Large-Scale Hydrology
- Numerical Modelling
- Environmental Fluid Dynamic
- Mass transport in porous media
- Sediment Transport
- Water and Waste Water Treatment