Curriculum Vitae for

Bardia Roghani

PERSONAL INFORMATION

Gender: Male   **Born:** Jan. 10, 1988-Mashhad, Iran

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Tehran, Iran. PO box: 1439951154

EDUCATION

2014-Current	**PhD, Environmental Engineering**
	School of Civil Engineering, College of Engineering, University of Tehran, Tehran, Iran.
2011-2013	**M.Sc., Environmental Engineering**
	School of Civil Engineering, College of Engineering, University of Tehran, Tehran, Iran.
	Thesis topic: *Wastewater Systems Performance Evaluating Method Based on Value Engineering and Environmental Issues*
	Supervisor: Prof. Massoud Tabesh
	GPA: 17.83/20 (4/4)
	Ranked 1st among 2011 entry of Environmental Engineering students
2006-2011	**B.Sc., Civil Engineering**
	School of Civil Engineering, College of Engineering, Azad University, Mashhad, Iran
	GPA: 17.69/20 (3.74/4)

PUBLICATION

1-**Roghani, B.** and Tabesh, M., "A new index for environmental performance of wastewater concrete pipes", 7th national congress on civil engineering, Zahedan, Iran, 2013. (in Persian)

2-**Roghani, B.,** Tabesh, M., and Askarzade, M., "Environmental performance assessment of wastewater collection pipelines" 3rd international conference on environmental planning and management, Tehran, Iran, 2013 , (in Persian)

3-Askarzade, M., Tabesh, M., and **Roghani, B.,** "A new method for obtaining fuzzy membership function of water distribution network's input parameters", 8th symposium on advances in science and technology commission, Mashhad, Iran, 2013, (in Persian)

4-Tabesh, M. and **Roghani, B.,** "Management of non-revenue water in south Alborz provinces", Water resource and consumption management, Tehran, Iran, 2014 (in Persian)

5-**Roghani, B.,** AbdiGhohroudi, M. S., and Roozbahani, A., "Assessing vulnerability of water distribution network to earthquake hazards through fuzzy decision analysis" 6th International Conference on Integrated Natural Disaster Management, Mashhad, Iran, 2015 (in Persian).

6-**Roghani, B.,** Tabesh, M., Amrollahi, M. S., and Venkatesh, G. "Estimation and evaluation of greenhouse gas emissions during the life-cycle of wastewater pipelines: Case study of Tehran, Iran", Civil Engineering Infrastructures Journal, 50(1), 191-206.

7-Fereshtehpour, M., **Roghani, B.,** and MianAbadi, H. (2015), "Geopolitical challenges of transboundary groundwater resources governance with emphasis on Iran", International Quarterly of Geopolitics, 11 (3), 170-204.

8-Fereshtehpour, M., **Roghani, B.,** and MianAbadi, H., "Investigation of transboundary challenges in the west and northwest portion of Iran" 8th Congress of Iran's Geopolitics, Sanandaj, Iran, 2015 (in Persian).

9-Tabesh, M., Rasi Faghihi, N., Roozbahani, A., Heydarzadeh, R., and **Roghani, B.,** "Identifying threats affecting the emergence and increase of non-revenue water (Case Study: District No. 4 of Tehran water and wastewater company)". Iran Water & wastewater Science Engineering Congress, Tehran, Iran, 2017 (in Persian).

10-Tabesh, M., Faghihi, N.R., Roozbahani, A., Heidarzadeh, R. and **Roghani, B.,** (2017) "Using bayesian networks for risk assessment of real losses in water distribution systems". European Water, 58, 391-398.

11-Nazif, S., Gholami, M., and **Roghani, B.,** (2017) "Development of performance indicators for evaluation of wastewater treatment plant's units". Amirkabir Journal of Civil Engineering (DOI: 10.22060/ceej.2017.13167.5342).

12-Tabesh, M., Roozbahani, A., **Roghani, B.,** Faghihi, N.R., and Heidarzadeh, R. (2018) "Risk Assessment of Factors Influencing Non-Revenue Water Using Bayesian Networks and Fuzzy logic". Water Resources Management 32(3).

13- Tabesh, M., Feizi, M., **Roghani, B.,** Motevallian, S., (2018) "Life-Cycle Assessment (LCA) of Wastewater Treatment Plants: A Case Study of Tehran, Iran". International Journal of Civil Engineering.

WORK EXPERIENCE

- **College of engineering (University of Tehran)**

  Research member, September 2013 until now.

- **VargahSazan Co.**

  Member of the supervisory team of wastewater treatment plant of Ghoam, Iran, June 2014- August 2014

- **Tavoni-Maskan Construction Company**

  Volunteer colleague, June until September 2010

- **Iran Water and Wastewater Association (IWWA)**

  Associate member, August 2015 until now.

KEY SKILLS

- **Technical**

  1-Competent user of Microsoft Office suit products

  2-Well experienced in the use of WaterCAD, StormCAD, SewerCAD, SewerGEMS, EPANet, ETABS, SimaPro, ArcGIS

LANGUAGE PROFICIENCY AND INTERNATIONAL TESTS

☑ TOEFL IBT Exam Taken on May, 9th, 2015
Total score: 95

☑ GRE Exam Taken on December, 1st, 2015
Quantitative Reasoning: 162
Verbal Reasoning: 148
Analytical Writing: 3

RESAERCH INTEREST

1- Life cycle assessment	2-Urban water and wastewater infrastructures
3-Green infrastructure	4-Sustainable urban planning and management
5-Water and wastewater treatment technologies	6-Water resource management

HONORS

- Offered honors admission to the PhD program without taking the national entrance exam as the top 10% student of the Department of Civil Engineering, University of Tehran, 2014.
- Offered Sabbatical leave at INSA Lyon, France from February until August 2018.
- Winner of the UNESCO prize in **Blue Sky Ideas** competition, University of Tehran, 2018.

INTERESTS

- Playing Guitar, Doing exercising (bodybuilding), Reading books, Watching movies