

Hamed Vagheei

Contact Information

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hamed.vaghei@gmail.com

Education and Research

Ph.D., Civil and Environmental Engineering *Nov. 2018 – Present*

Polytechnic University of Turin, Turin, Italy

Ph.D. Title: "Water Resources Management & Ecological Responses in Non-Tidal Wetlands"

Research Fellow *Mar. 2018 – Oct. 2018*

Polytechnic University of Turin, Turin, Italy

Research Project: "Water Resources Management & Ecological Responses in Non-Tidal Wetlands"

M.Sc., Civil Engineering: Water and Hydraulic Structures *Sep. 2014 – Sep. 2016*

Grand Ayatollah Borujerdi University, Borojerd, Iran

Thesis: "Climate Change Impacts on Hydropower Plants (Case Study: Seimareh Dam & Hydropower Plant)"

GPA: 18.26/20

B.Sc., Civil Engineering *Sep. 2010 – Mar. 2014*

Grand Ayatollah Borujerdi University, Borojerd, Iran

GPA: 17.29/20

Research Interests

- ✓ *Water Resources Management*
- ✓ *Hydrological Modeling*
- ✓ *Environmental Engineering*
- ✓ *Climate Change*
- ✓ *Water-Energy-Food Nexus*

Honors and Scholarships

- ✓ *Ph.D. Scholarship, Politecnico di Torino*
- ✓ *Research Scholarship, Politecnico di Torino*
- ✓ *Ranked 1st in Master Programme*
- ✓ *B.Sc. Outstanding Student (Top 5%)*

Skills

✓ **Computer:**

SWAT, SWAT-CUP, HEC-HMS, WEAP, ArcGIS, Geo Studio, AutoCAD, Microsoft Office

✓ **Language:**

Persian: Native

English: Fluent

IELTS Overall Score 6.5 (Listening 7, Reading 6.5, Writing 6, Speaking 6.5)

Italian: Basic

Publications

Goodarzi, M. R., Vagheei, H. & Mohtar, R. H. *The Impact of Climate Change on Water and Energy Security, Water Supply* 2020, <https://doi.org/10.2166/ws.2020.150>

Goodarzi, M. R., Vagheei, H. & Mousavi, M. *The Behavior of Inflow to the Seimareh Dam in the Face of Climate Change Impacts, Journal of Environmental Science and Technology, Vol 22, No.3, May 2020, 10.22034/JEST.2018.20468.2956*

Goodarzi, M. R., Mohtar, R. H., Vagheei, H., Daher, B. T. & Lawford, R. *Water-Energy-Food Nexus Challenges and Opportunities: A Review on the WEF Nexus, (under review).*

Conferences and Workshops

Vagheei, H., Vezza, P., Palau-Salvador, G. & Boano, F. *The Impacts of Water Quality Changes on Aquatic Ecosystems: A Case Study of Clariano River, Spain, EGU General Assembly 2020.*

Vagheei, H., Vezza, P., Palau-Salvador, G. & Boano, F. *Application of SWAT Model in Eco-hydrological Assessment of the Clariano River, International Soil and Water Assessment Tool Conference, 17-19 July 2019, Vienna, Austria.*

Advanced SWAT-CUP Workshop, 15-16 July 2019, Vienna, Austria.

Vagheei, H. *Eco-hydrological Assessment of an Agricultural River Basin Using SWAT Model, Marchi Lecture and Ph.D. Days, 1-3 July 2019, Parma, Italy.*

Goodarzi, M. R. & Vagheei, H. *Novel Technologies and Innovation in Hydropower Industry, the International Conference on Environmental Science, Engineering & Technologies (CESET 2015), 5-6 May 2015, University of Tehran.*

Goodarzi, M. R. & Vagheei, H. *Hydropower, the Largest Renewable Source of Energy, 1st International Conference on Environmental Engineering, 5 Feb. 2015, Tehran.*

Farnam, M. & Vagheei, H. *The Evaluation of High Performance Concrete and the Importance of Using this Concrete in Construction, 1st National Conference of New Concrete Technologies, 21 May 2015, Gilan, Rasht.*

References

Dr. Fulvio Boano

Associate Professor, Polytechnic University of Turin, Turin, Italy

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Dr. Mohammad Reza Goodarzi

Assistant Professor, Department of Civil Engineering, Yazd University, Yazd, Iran, and WEF Nexus Research Group, Department of Biological and Agricultural Engineering, Texas A&M University

Email: goodarzimr@yazd.ac.ir

Dr. Hamid Masaeli

Assistant Professor, Grand Ayatollah Borujerdi University, Borojerd, Iran

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