



College of Engineering



Dr. Zeinab Yavari
Assistant Professor

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Education:

Ph.D. in Environmental Health Engineering,
Isfahan University of Medical Sciences-2017
M.Sc. Environmental Health engineering, Tehran
University of Medical Sciences-2011
B.Sc in Environmental Health engineering, Qom
University of Medical Sciences-2008

Honors & Awards:

1. Recognized as a Top Ph.D. Talent and Elected
Student (2017)

PROFILE

Dr. Zeinab Yavari is an assistant professor at Sultan Qaboos University with over a decade of academic and research experience in environmental engineering. She holds a Ph.D. in Environmental Health Engineering from Isfahan University of Medical Sciences (2017), along with an M.Sc. in the same field from Tehran University of Medical Sciences. Before joining SQU in 2021, she held key academic and administrative positions in Iranian universities, including head of department and associate dean for academic affairs. She has led several funded projects, published over 40 peer-reviewed papers, and actively contributes to graduate supervision, curriculum development, and international collaboration. Her research focuses on microplastics and emerging contaminants in the environment.

WORK EXPERIENCE

- 2021 – to date – Assistant Professor, Department of Civil and Architectural Engineering, College of Engineering, Sultan Qaboos University, Sultanate of Oman.
- 2019 – 2021 – Assistant Professor, Department of Environmental Health, School of Health, Shahid Sadoughi University of Medical Sciences, Yazd, Iran.
- 2019 – 2021 – Associate dean, College of Abarkouh, Shahid Sadoughi University of Medical Sciences, Yazd, Iran.
- 2019 – 2021 – Head, Department of Environmental Health Engineering, College of Abarkouh, Shahid Sadoughi University of Medical Sciences, Yazd, Iran.
- 2011 – 2014 – Lecturer, Qom University of Medical Sciences, Iran.

RESEARCH INTERESTS

- Treatment of emerging contaminants in the environment
- Microplastic detection in wastewater and compost plant
- Water and wastewater treatment technologies
- Advanced oxidation processes (AOPs)
- Microbial fuel cell

Professional Credentials, Certifications, or Licensing

1. Certificate of Higher Education Teaching and Learning (CHETL)-2024

Professional Development Activities

1. Workshop "Learning from Within: Peer Review's Role in Teacher Professional Development", organized by CETL, SQU (2024)
2. Workshop "Assessment and Rubric Design", organized by CETL, SQU (2024)
3. Workshop "Teaching Critical Thinking", organized by CETL, SQU (2024)
4. Workshop "Course Design", organized by CETL, SQU (2024)
5. Workshop "Case Study as a Teaching Strategy (Part 1)", organized by CETL, SQU (2023)
6. Workshop "Introduction to CHETL and Educational Philosophy Course", organized by CETL, SQU (2023)
7. Workshop "Outcome-Based Learning Objectives", organized by CETL, SQU (2023)
8. Workshop "Pedagogy Models & Instructional Strategies", organized by CETL, SQU (2023)
9. Workshop "Customizing Your Teaching to Outcome-Based Learning, Assessment, and Active Learning", organized by CETL, SQU (2023)
10. Workshop "Assessments Policies & Procedures", organized by CETL, SQU (2023)

Selected Journal Publications

1. Ehsanifar M, Yavari Z. Neurotoxicity Following Exposure to Micro- and Nanoplastics. *OBM Neurobiology* 2025; 9(1): 277; doi:10.21926/obm.neurobiol.2501277.
2. Abrar Al Amri, Zeinab Yavari (Corresponding), Mohammad Reza Nikoo "The Occurrence and Detection of MicroPlastics: Different Treatment Technologies Adopted for Wastewater Treatment Plants in Oman". *Journal of Chemosphere*. 2024
3. Farzaneh Mohammadi, Zeinab Yavari (Corresponding), Mohammad Reza Nikoo, Ali Al-Nuaimi, Hossein Karimi. "Machine learning model optimization for removal of steroid hormones from wastewater" *Journal of Chemosphere*. 2023
4. Ehsanifar M, Rafati M, Yavari Z. "Indoor air pollution and behavioral factors affecting to COVID-19 transition". *Journal of Community Med Health Solutions*. 2022.
5. Ehsanifar M, Yavari Z, Motaghedifar MR, Rezaei M. "Risk of activation of human viruses lurking in ambient following COVID-19 prevention supplies excessive use". *Journal of Community Med Health Solutions*. 2022.
6. Mojtaba Ehsanifar, Zeinab Yavari, Mehravar Rafati. "Exposure to urban air pollution particulate matter: neurobehavioral alteration and hippocampal inflammation". *Environmental Science and Pollution Research*. 2022.

Selected Conference Participations

1. Eeman.K.Muhi Aldeen., Zeinab Yavari. "Exploring Advanced Oxidation Processes for Sulfamethoxazole Removal from Aqueous Solution using Sono-Electro-Fenton (SEF) Technique". 17th Annual International Conference on the Challenges in Environmental Science & Engineering. (Oral Presentation) Pula, Croatia. Oct. 2024
2. Abrar Al Amri, Zeinab Yavari, Mohammad Reza Nikoo "The Occurrence and Detection of MicroPlastics: Different Treatment Technologies Adopted for Wastewater Treatment Plants in Oman". International Summit on Environmental Science and Engineering (Oral Presentation). August 2023. Greece
3. Farzaneh Mohammadi, Zeinab Yavari , Mohammad Reza Nikoo, Ali Al-Nuaimi, Hossein Karimi. "Machine learning model optimization for removal of steroid hormones from wastewater" *Journal of Chemosphere*. 2023
4. Zeinab Yavari, Abrar Al Amri. Mohammad Reza Nikoo "Towards Air Quality Improvement via Various Renewable Energy Approaches" International Conference on Air Pollution and Climate Change (Oral Presentation). Jan 2023. Oman

5. Zeinab Yavari, Fatemah Yousef Ghaleb Al-Qais, Mohammad Reza Nikoo. "An Integrated Approach to Enhance the Desalination Process: Coupling Solar Cell Desalination with Microbial Desalination Cell". International Conference on Air Pollution and Climate Change (Oral Presentation). Jan 2023. Oman
6. Zeinab Yavari, Farzaneh Mohammadi. Mohammad Reza Nikoo. "Machine Learning Model Optimization for Removal of Steroid Hormones from wastewater: 15th International Conference Challenges in Environmental Science & Engineering (Oral Presentation). Dec. 2022.UAE.

Short Courses, Public Lectures, Seminars

1. WasteWater Treatment Technologies and Energy Production in Arab Countries, Kuwait Institute for Scientific Research, Kuwait, 18–19 November 2024
2. One Day workshop for NAMA company, Title: Microplastic: Fate and Removal Efficiency in Wastewater Treatment Plants, May 2024
3. One Day workshop for Beah Company, Title: Microplastic Pollution in Municipal solid waste: Sources, Fate, and Environmental Implications, Oct 2024
4. One Day workshop for Environmental authority, Title: Microplastic Pollution: Sources, Fate, and Environmental Implications, Dec 2024