

## Shahryar Jafarinejad, Ph.D.

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### Summary

Dr. Shahryar Jafarinejad is an associate professor of chemical engineering at Tuskegee University (TU), United States, where he also serves as a faculty senate member since 2019. Before joining TU in 2018 as an assistant professor, he worked as a postdoctoral researcher at the Department of Civil and Environmental Engineering, University of California, Irvine. He has taught chemical engineering courses at TU, University of Tehran, the College of Environment, and Technical and Vocational University (Iran), and supervised undergraduate and graduate students. He has published three books, several book chapters, and numerous peer-reviewed journal and conference papers, and has served as an editorial board member and reviewer of engineering journals.

His research interests include simulation and mathematical modeling, nanotechnology, environanotechnology, green technologies, sustainable materials, advanced process design, advanced water and wastewater treatment, surface modification of membranes, environmental issues in the petroleum industry, and water-energy-environment nexus.

### Selected Publications

#### Books

**Shahryar Jafarinejad**, Bryan S. Beckingham, The Renewable Energy-Water-Environment Nexus: Fundamentals, Technology, and Policy. 1st Edition, Elsevier, 2023, Paperback ISBN: 9780443134395, eBook ISBN: 9780443134401.

**Shahryar Jafarinejad**, Petroleum Waste Treatment and Pollution Control. 1st Edition, Elsevier, Butterworth-Heinemann, 2017, Print ISBN: 9780128092439, Electronic ISBN: 9780128094983.

**Shahryar Jafarinejad**, The Basic Elements in Nanotechnology and Polymeric Nanocomposites. In Persian, Simaye Danesh Publications, 2009, ISBN: 9786001200021.

#### Book Chapters and Peer Reviewed Journal and Conference Articles

Please see Google Scholar and Scopus

### Fall 2018

