



Emerging Technologies in Wastewater Treatment and Resource Recovery: Recent Advances, Challenges and Future Trends

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Message from the Guest Editors

Water pollution has been a common challenge the world over because it is a major problem affecting human health and the aquatic environment. Emergent pollutants are introduced into freshwater from a variety of industrial and human activities. Furthermore, extra chemicals, energy consumption, as well as greenhouse gases emissions from conventional wastewater treatment have been of interest to researchers. In recent decades, several advanced technologies have been employed for municipal wastewater management. There is a need, however, to find alternative approaches suitable for achieving the sustainable development goals. The purpose of this Special Issue is to discuss the challenges and opportunities of advanced materials and developed technologies for wastewater treatment and resource recovery. The issue's focus is on new hybrid methods and advanced technologies, concepts, and process designs to sustainably remove emergent pollutants. Additionally, authors may report on the feasibility of using these advanced technologies and their economical approaches for full-scale applications.





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