

Special Issue

Sustainable Treatment of Organic Pollutants and Microbial Degradation for Environmental Sustainability

Message from the Guest Editors

With rapid industrialization and urbanization, organic pollutants continue to accumulate, leading to increasingly prominent environmental issues. Microbial degradation technology is receiving increasing attention due to its efficiency and environmental friendliness. Therefore, research on sustainable treatment methods for organic pollutants and the role of microorganisms in this process is crucial for achieving environmental sustainability. Possible topics include, but are not limited to, the following:

- Pollution characteristics and evolution trends of organic pollutants in typical environments;
- Environmental behaviors and toxic effects of organic pollutants in different environmental media;
- Efficient degradation bacteria screening from various habitat sources of pollutants;
- Mechanisms of microbial degradation of organic pollutants;
- Techniques to enhance microbial degradation capabilities;
- Construction and application of composite degradation bacterial communities;
- Microbial degradation technologies in wastewater treatment;
- Application of biofilm technology in organic pollutant treatment.

Guest Editors

Dr. Haiming Zhao

College of Life Sciences, Jinan University, Guangzhou, China

Dr. Jiliang Cheng

Research Institute of Tropical Forestry, Chinese Academy of Forestry, Guangzhou, China

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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