

Special Issue

Wastewater Treatment for Pollution Mitigation: Latest Advances and Prospects

Message from the Guest Editors

This Special Issue will provide an overview of the state-of-the-art, advances, and challenges regarding the role and possibilities of different treatment technologies for water recovery. It will cover the applications, development of new materials, reactor design, and case studies regarding the following techniques: i) physico-chemical processes, including adsorption, ion exchange, membrane processes, phase separation, and multiphase extraction; ii) advanced oxidation/reduction processes, including heterogeneous catalysis, UV/H₂O₂, Fenton oxidation, ozonation, sonolysis, and electrochemical treatment; iii) biological processes, including anaerobic digestion, aerobic process, biofilm process, and membrane bioreactors; iv) process intensification. The Special Issue will cover the following fields:

- Nanotechnology and nanomaterials;
- Potable and non-potable water reuse;
- Urban hydrology (sewer systems, stormwater management, green infrastructure);
- Drinking water treatment and distribution;
- Monitoring, fate, and assessment of contaminants (chemical, microbial, anthropogenic particles such as microplastics or nanoparticles);
- Resource recovery and residuals management.

Guest Editors

Dr. Belisa Alcantara Marinho

Dr. Maria Alice Prado Cechinel

Dr. Bianca Miguel de Souza Chaves

Deadline for manuscript submissions

closed (15 September 2023)



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

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Message from the Editor-in-Chief

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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