

Special Issue

Emerging Technologies for Advanced Water Purification

Message from the Guest Editor

In recent years, the reuse of wastewater has increased dramatically due to the constant increase in water demand. New technologies have emerged to address new challenges, such as the degradation of persistent pollutants and emerging contaminants, non-biodegradable wastewater, and pathogens. This Special Issue welcomes submissions on advanced wastewater management and treatment including but not limited to:

- Physico-chemical processes (membrane technologies, coagulation-flocculation, etc.);
- Advanced oxidation processes (photocatalysis, ozone Fenton, activated persulfate, sonochemistry, electrochemical oxidation, etc.);
- Applications of new catalytic materials for advanced wastewater treatment;
- Combination of biological and physicochemical processes—hybrid treatment;
- Advanced biological treatment (moving bed and membrane bioreactors, etc.);
- Bioremediation and phytoremediation;
- Studies carried out in pilot plants or related to size scaling;
- Applications of artificial intelligence to advanced waste treatment;
- Simulation of advanced treatment of wastewater or drinking water.

Guest Editor

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Deadline for manuscript submissions

closed (20 August 2021)



Environments

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CiteScore 5.7



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About the Journal

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Sergio Ulgiati

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.2 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the first half of 2025).