Special Issue

Emerging Technologies for Waste Treatment, Pollution Control and Resource Recovery

Message from the Guest Editors

Since the Industrial Revolution, the amount of waste produced by humans has increased significantly, making our environment uninhabitable. For example, while some land is used for landfills, the capacity of these is gradually running out, and, when waste is stored, there is still a risk of contaminating soil and water resources, demonstrating that the current landfills are not the optimal choice. In these situations, emerging technologies for waste treatment, pollution reduction and control, and resource recovery from waste are essential. This Special Issue aims to invite Authors to submit original research and review articles focusing on this area. The potential topics include, but are not limited to, the following:

- Novel technologies and methods for waste treatment and management without secondary pollution;
- Innovative strategies for pollution reduction, control, and removal;
- Resource recovery from waste through methods including but not limited to hydrometallurgy, pyrometallurgy, and electrometallurgy;
- Emerging circular economy strategies for waste;
- Novel procedures to enhance the value of waste.

Guest Editors

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Deadline for manuscript submissions

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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

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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).

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