Special Issue

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

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.

Guest Editors

Prof. Dr. Hanane Tounsadi

Department of Chemistry, Laboratoire d'Ingénierie, d'Electrochimie, de Modélisation et d'Environnement, Sidi Mohamed Ben Abedellah University, Fes 30030, Morocco

Prof. Dr. Alaâeddine Elhalil

Laboratory of Process and Environmental Engineering, Higher School of Technology, Hassan II University of Casablanca, Casablanca, Morocco

Deadline for manuscript submissions

closed (31 October 2023)

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/153006

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

mdpi.com/journal/sustainability

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/journal/sustainability

MDPI

About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)