

Special Issue

Recent Advances in Water Quality Assessment and Sustainable Wastewater Treatment: Analysis and Methods

Message from the Guest Editors

The effective management of water quality and wastewater treatment has become increasingly critical due to rising urbanization, industrialization, and climate change. Traditional water treatment methods, while foundational, often struggle to address the complex range of contaminants and the need for efficient resource recovery. With escalating pollution and evolving regulatory demands, there is a pressing need for advancements that improve both the effectiveness and sustainability of these processes. Recent technological and methodological innovations are revolutionizing water quality assessment and wastewater treatment. Advanced monitoring techniques and novel treatment technologies are crucial for enhancing water quality, reducing environmental impacts, and ensuring the sustainable reuse of treated water. This Special Issue seeks to provide a comprehensive overview of the latest research, challenges, and innovations in these areas. We welcome original research articles and reviews on topics such as emerging contaminants, innovative treatment methods, resource recovery and reuse, and climate change adaptation strategies.

Guest Editors

Dr. Yaneth A. Bustos-Terrones

División de Estudios de Posgrado e Investigación, CONACYT-TecNM- Instituto Tecnológico de Culiacán, Juan de Dios Batíz 310. Col. Guadalupe, Culiacan 80220, Mexico

Dr. Juan Gabriel Loaiza

División de Estudios de Posgrado e Investigación, Instituto Tecnológico de Culiacán-TecNM, Culiacán 80220, Mexico

Deadline for manuscript submissions

31 May 2026



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/217581

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

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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)