

Special Issue

Advances in Adsorption Processes for Sustainable Water Treatment

Message from the Guest Editors

This Special Issue is devoted to new research and recent contributions on the various adsorbents and materials based on natural materials (in unmodified form or after modification or functionalization), composites, functional materials, waste of industry and agriculture (sawdust, citrus peels, nut shells, eggshells, fruit seeds, bones, coffee grounds, textile waste, etc.), green adsorbents, and nanomaterials in water and wastewater treatment via the principles of sustainable development. For this Special Issue, relevant topics include (but are not limited to) the following: case studies, the kinetics of adsorption, regeneration and recovery assessments, process design, and mechanism analysis of removal using theoretical calculation methods, modeling, and simulation. We would like to invite you to contribute original research and review papers on water/wastewater treatment and purification techniques and materials. We look forward to receiving your contributions.

Guest Editors

Dr. Slavica S. Lazarević

Department of Inorganic Chemical Technology, Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia

Dr. Ivona Častvan Janković-Castvan

Department of Inorganic Chemical Technology, Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia

Deadline for manuscript submissions

closed (31 December 2025)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/197213

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)