

Special Issue

Sediment Contamination and Metal Removal from Wastewater

Message from the Guest Editors

This Special Issue aims to explore the challenges and advances in the field of sediment contamination and metal removal technologies from wastewater. The contamination of sediments by heavy metals and other toxic substances poses a major environmental concern, compromising the quality of aquatic ecosystems and human health. Furthermore, the effective treatment of wastewater remains a priority to minimize the impacts of industrial, agricultural, and urban activities. Articles submitted to this Special Issue will address topics such as

- The transport and accumulation mechanisms of metals in sediments.
- Advanced analytical techniques for characterizing metals and their forms in sediment matrices.
- The environmental and ecotoxicological impacts associated with metals in sediments.
- The development and optimization of wastewater treatment technologies for metal removal, such as adsorption, chemical precipitation, electrochemical processes, and biological treatments.
- Innovative and sustainable approaches for the recovery and valorization of extracted metals.
- Case studies illustrating integrated solutions for managing contaminated sediments and treating wastewater.

Guest Editors

Dr. Yahya El Hammoudani

Prof. Dr. Khadija Haboubi

Prof. Dr. Fouad Dimane

Deadline for manuscript submissions

closed (31 July 2025)



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/225980

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

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





Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



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



About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))