

Special Issue

Natural Low-Cost Adsorbents in Water Purification Processes

Message from the Guest Editors

Water treatment is essential to ensure its quality and potability. Among the various techniques employed, adsorption has stood out as an efficient and economical alternative, especially when low-cost natural adsorbents are used. These materials, often derived from agro-industrial waste, biomass and abundant minerals, have a high capacity to remove contaminants, such as heavy metals, dyes and organic compounds. Among the most studied natural adsorbents are banana peels, sugarcane bagasse, sawdust, natural clays and coconut shells. These materials can be used in their natural state or can be modified to increase their adsorptive efficiency. The application of these adsorbents is a sustainable solution since, in addition to reducing water treatment costs, it promotes the reuse of waste and minimizes environmental impacts.

Guest Editors

Dr. Leticia Nishi

Dr. Luis Fernando Cusioli

Dr. Rosângela Bergamasco

Dr. Carolina Moser Paraíso

Deadline for manuscript submissions

15 December 2025



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/231823

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))