

## Special Issue

# Advanced Materials for Sustainable and Green Sample Preparation

### Message from the Guest Editors

The focus of this Special Issue is on the design, synthesis, and application of advanced materials that enhance the efficiency, selectivity, and environmental compatibility of sample preparation processes. We are particularly interested in studies that explore novel materials and methods that minimize the use of hazardous chemicals, reduce energy consumption, and promote the sustainable use of resources. Topics of interest for this Special Issue include, but are not limited to, the following:

- Development of green solvents and reagents for sample preparation.
- Application of nanomaterials in sustainable extraction techniques.
- Biodegradable and renewable materials for sample processing.
- Innovations in sorbent- and solvent-based microextraction techniques.
- Advances in membrane technology for sample preparation.
- Use of ionic liquids and deep eutectic solvents (DESS) in analytical chemistry.
- Photocatalytic and bio-inspired materials for environmental sample analysis.
- Automation and miniaturization of green sample preparation methods.
- Sustainable protocols for the isolation and analysis of bioactive compounds.

### Guest Editors

Dr. Hakim Faraji

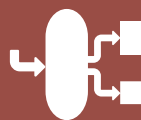
Dr. Bárbara Socas-Rodríguez

Dr. Antonio V. Herrera-Herrera

Dr. Ruth Rodríguez-Ramos

### Deadline for manuscript submissions

closed (10 December 2024)



## Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5

---



[mdpi.com/si/207204](https://mdpi.com/si/207204)

*Processes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[processes@mdpi.com](mailto: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))