

Special Issue

Advances in Biochar and Biobased Carbonaceous Materials

Message from the Guest Editor

This Special Issue, titled “Advances in Biochar and Biobased Carbonaceous Materials”, will provide a multidisciplinary platform to cover recent innovations in the fundamental understanding of scaled-up production methods of biochar for its possible agricultural utilization, as well as application-oriented novel processes for biomass-based carbonaceous material production. Contributions that close the gap between laboratory-scale research and practical applications are encouraged, with a focus on optimization, life cycle assessment, multi-scale characterization techniques, and multipurpose usage. Topics include, but are not limited to, methods and/or applications in the following areas:

- Sustainable production methods of biochar and carbonaceous materials;
- Biochar in agriculture and environmental remediation;
- Tailored biobased carbonaceous materials for specific utilization areas;
- Techno-economic, life cycle, and scalability assessments.

Guest Editor

Prof. Dr. Esin Apaydın Varol

Chemical Engineering Department, Engineering Faculty, Eskisehir Technical University, 26555 Eskisehir, Türkiye

Deadline for manuscript submissions

10 April 2026



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/255186

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))