



an Open Access Journal by MDPI

## Biorefineries

Guest Editors:

### Dr. Jalel Labidi

Department of Chemical and Environmental Engineering, Faculty of Engineering Gipuzkoa, University of the Basque Country, Plaza Europa 1, 20018 Donostia-San Sebastián, Gipuzkoa, Spain

### Dr. Xabier Erdocia

Department of Chemical and Environmental Engineering, University of the Basque Country, UPV/EHU Plaza Europa 1, 20018 San Sebastián, Spain

Deadline for manuscript submissions:

**closed (1 June 2023)**

## Message from the Guest Editors

Several countries have implemented strategies to shift from fossil fuel-based economies to biobased economies. This change requires the development of sustainable biorefining processes with low environmental impacts and new biobased building blocks as precursors for chemicals and polymers.

This Special Issue is focused on the production of new building blocks, chemicals, and polymers from biomasses using innovative and green processing technologies. The Special Issue will also include other topics, such as the structural characterization and applications of biobased products.

## Topics:

Advances in pretreatment processes;  
Sustainable chemistry;  
Multiproduct biorefineries;  
LCA;  
New feedstocks;  
Products and applications of biobased building blocks;  
Advanced characterization.



[mdpi.com/si/28297](https://mdpi.com/si/28297)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Thomas J. Schmidt**

Institute of Pharmaceutical  
Biology and Phytochemistry,  
University of Münster,  
Corrensstrasse 48, D-48149  
Münster, Germany

## Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

## Contact Us

---

*Molecules* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/molecules](http://mdpi.com/journal/molecules)  
[molecules@mdpi.com](mailto:molecules@mdpi.com)  
[X@Molecules\\_MDPI](#)