



Materials from Biosourced Monomers

Guest Editors:

Dr. Vincent Terrasson

TIMR, ESCOM/UTC, 1 Allée du
Réseau Jean-Marie Buckmaster,
60200 Compiègne, France

Dr. Victorien Jeux

TIMR, ESCOM/UTC, 1 allée du
réseau Jean-Marie Buckmaster,
60200 Compiègne, France

Dr. Fanny Coumes

ECP-IPCM, Sorbonne Université,
4 Place Jussieu, 75005 Paris,
France

Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editors

Given the constraints dictated by the environment and current policies, it is urgent to conceive and develop novel molecular bricks and materials from biosourced components in order to replace petroleum-based monomers and to compete with the existing petroleum-sourced materials. Those biosourced molecules are very interesting synthons, thanks to the presence of alcohol, acid or amine functional groups, that can be polymerized by condensation reaction and yield biosourced polyesters or polyamides with interesting mechanical properties. This pathway to bioplastics remains one of the most explored nowadays. Alternatively, chain-growth polymerization of biosourced monomers is also an interesting pathway leading to biopolymer synthesis. Indeed, despite a lower number of naturally occurring molecules presenting polymerizable vinyl bonds, FRP and RDRP of such monomers is an expanding field.

This Special Issue concerning (nano)materials prepared from biosourced monomers aims to cover recent advances in the synthesis of all types of monomers derived from biomass, their use to prepare new biosourced (nano)materials and the study of their properties and applications.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

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

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.

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))

Contact Us

Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)