

Special Issue

Preparation of Bacterial Cellulose and Its Biomedical Applications

Message from the Guest Editor

Bacterial cellulose (BC) is one of the most established biopolymers in the field of biomedical materials research. As randomly assembled nonwoven from ribbon-like fibrils composed of elementary nanofibrils, it delivers a combination of exclusive properties, such as biomimetic, collagen-like structure with high flexibility and water holding capacity, crystallinity, mouldability, compounding capacity, and lignin and hemicellulose-free chemistry. To this end, we invite you to submit original research articles and review articles, covering the following topics:

- BC production and cost-effective carbon sources
- BC-based particles, membranes, and 3D matrices
- Amino acid and protein-supplemented BC membranes
- BC/polymer-based composites
- BC in regenerative medicine
- BC in organoids development
- BC toxicity and safety

Guest Editor

Dr. Selestina Gorgieva

Institute of Engineering Materials and Design, Faculty of Mechanical Engineering, University of Maribor, Smetanova 17, 2000 Maribor, Slovenia

Deadline for manuscript submissions

closed (10 July 2021)



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/32697

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))