



## Preparation of Bacterial Cellulose and Its Biomedical Applications

Guest Editor:

**Dr. Selestina Gorgieva**

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

Deadline for manuscript  
submissions:

**closed (10 July 2021)**

### Message from the Guest Editor

Dear Colleagues,

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





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

*Processes* (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

## 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:** JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

## Contact Us

---

Processes Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

[mdpi.com/journal/processes](http://mdpi.com/journal/processes)  
[processes@mdpi.com](mailto:processes@mdpi.com)  
[X@Processes\\_MDPI](https://twitter.com/Processes_MDPI)