



## Preparation of Bacterial Cellulose and Its Biomedical Applications

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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





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## Message from the Editor-in-Chief

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