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## Synthesis, Applications and Biological Impact of Nanocellulose

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Deadline for manuscript  
submissions:

**closed (30 April 2022)**

### Message from the Guest Editors

Dear Colleagues,

Interest in nanocellulose research continues to increase dramatically in the past few years with advances in the preparation/extraction of nanocellulose such as cellulose nanocrystals (CNC), cellulose nanofibrils (CNF), bacterial nanocellulose (BNC)). There have also been significant developments in the fabrication of functional nanocellulose-based materials for various industrial applications. This Special Issue aims to cover recent advances in the synthesis of nanocellulose, surface modifications for the design of functional nanocellulose as well as applications and biological impact. Manuscripts presenting innovative methods of preparation, design of new advanced nanocellulose-based materials and biomedical applications are most welcome. This Special Issue aims to cover recent advances in the synthesis of nanocellulose, surface modifications for the design of functional nanocellulose as well as applications and biological impact. Manuscripts presenting innovative methods of preparation, design of new advanced nanocellulose-based materials and biomedical applications are most welcome.

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Dr. Karina Ckless

*Guest Editors*



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# Special Issue



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## Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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