Special Issue

Novel Applications of Biodegradable Nanocelluloses

Message from the Guest Editor

The development of biodegradable materials has been important for allowing deep comprehension of the properties and behavior of biodegradable polymeric nanoparticles. In particular, nanocelluloses deserve great attention as highly stable and crystalline biodegradable nanomaterials. This Special Issue aims to present new applications of biodegradable nanocelluloses and nanocellulose films in fields such as optoelectronics, nanophotonics, tissue engineering, materials consolidation, biocatalysis, and paper modification. Chemical modifications of the starting materials or preparation of blends with other materials or biomolecules for granting access to novel multifunctional and biohybrid structures are of particular interest for this Special Issue.

Guest Editor

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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