Special Issue

Advances in Nanocrystalline Cellulose and Their Applications

Message from the Guest Editor

Nanocellulose offers intriguing opportunities of application in various fields of materials and chemical sciences. First isolated in the 1950' as cellulose nanocrystals, our scientific community has recently discovered the great potentialities of nanocellulose forms, such as microfibrillated cellulose (MFC), nanofibrillated cellulose (NFC) and cellulose nanocrystals (CNCs), including their use in paper and nanopaper forming, coating technologies, drug delivery, nanophotonics, charge storage, bioremediation, biocatalysis and catalysis. For this Special Issue, we aim to receive and publish the latest outstanding research on the topic of nanocellulose extraction, production and application in novel and appealing technologies, including, but not limited to, the fields of paper and pulping processes, coating technologies, application in medicine and nanomedicine, tissue engineering, catalysis and biocatalysis, water filtration and optoelectronics. We kindly invite you to submit a manuscript(s) for this Special Issue. Full papers, communications and reviews are all welcome.

Guest Editor

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Message from the Editorial Board

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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