Special Issue

Cellulose Nanomaterials and Nanocomposites

Message from the Guest Editors

Cellulose nanomaterials and nanocomposites have been demonstrated to provide a greater contribution to sustainability, due to their excellent potential as biodegradable and renewable alternatives to non-biodegradable polymers used in single-use plastics, reinforcing fibers, and coatings in different industrial sectors, such as, for example, papermaking, building, electronics, and medicine. Cellulose nanopapers have attracted the attention of numerous researchers as a result of their unique physical and optical properties, as well as their ability to be modified to present electric and magnetic properties. Cellulose nanomaterials obtained from, for example, cellulose nanofibers, have been proved to reinforce composite materials, such as biodegradable polymers PLA, paper, and cement. A new generation of materials consisting of or reinforced with nanocelluloses are required to replace high-environmental-impacting materials. The current Special Issue invites submissions of papers concerning the novel contributions to the knowledge on cellulose nanomaterials. Lengthy papers, short communications, and reviews are also welcome for submission.

Guest Editors

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Dr. Roberto Aguado
Dr. Ana Balea

Deadline for manuscript submissions

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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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