Special Issue

Application of Nanocellulose in the Industry

Message from the Guest Editors

Nanocelluloses (NCs) are bio-based nano-structured products that open up new solutions for natural material sciences. In recent years, many research groups and industries have been extensively working on ground-breaking innovations for the characterization and production of cellulose nanofibers (CNF), cellulose nanocrystals (CNC), and bacterial nanocellulose (BNC), making possible new potential applications in many different areas, such as composites, paper and board, packaging, paints and coatings, oil and gas, personal care, cosmetics, UV filters, medical implants, antibacterial materials, drug delivery, 3D printing, inks, food stabilizers, functional food ingredients, food and beverages, super-absorbents, environmental and wastewater treatments, metal removal, membrane filtration, CO2 adsorption, agriculture, insulators, fire retardants, batteries, biosensors, flexible electronics, energy storage, cement industry, textiles, sports footwear, plastics, rheology modifiers, etc.. In summary, NCs open up an endless number of applications. This Special Issue aims to cover a broad range of NCs applications in the industry. Full papers, short communications, and reviews are welcome.

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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.

Editor-in-Chief

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