Special Issue

Synthesis and Application of Polymer-Based Nanofibers and Nanocrystals

Message from the Guest Editor

Microfibrils can be separated from the fibers to form nanosized materials known as nanocrystals (NCs) and nanofibers (NFs) using new, efficient technologies. In addition to their regenerative behavior, the NCs and NFs exhibit very strong strength qualities, dimensional stability, thermal stability, and good optical properties, making them potential building blocks for new materials. By coating or combining conductive polymers with cellulose as well as native and modified cyclodextrins, hybrid composites of sustainable materials and inorganic functional materials are introduced to enhance the usefulness of sustainable materials. This Special Issue will represent the recent advancement of nanocrystals and nanofiber, followed by their possibility for smart materials. Natural behaviors, extraction, and modification of nanocrystals and nanofibers are welcomed and their synthesis with nanomaterials is also introduced, which is necessary to meet the technological requirements for smart materials.

Guest Editor

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I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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