Special Issue

Synthesis, Characterization and Application of Nanofibers

Message from the Guest Editor

Nonwoven membranes made out of nano or microfibers have attracted the attention of researchers from very different fields over the last few decades due to the high surface area as well as the diversity of morphologies that they present. The aim of the present issue is to collect articles that deal with new progress in the various techniques to obtain these nonwoven nanofibers, such as electrospinning or solution blow spinning, as well as their industrial scale-up, new applications of nonwoven membranes for biomedical scaffolds, drug delivery, electronic sensors, wearable textile with incorporated electronic devices, microelectromechanical systems (MEMS) and filtration amongst others.

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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