Special Issue

Advances in Polymer Nanofilms

Message from the Guest Editors

The present Special Issue of *Nanomaterials* is aimed at introducing the latest technologies in polymer nanofilms. The research into polymer nanomembranes covers the design and synthesis of new materials, the innovation of nanomembrane preparation technology, the optimization of multi-functional properties, biomedical applications, environmental and energy applications, and the bionic design of nanomembranes. Therefore, polymer nanomembrane research not only focuses on basic scientific principles, but also focuses on applications to solve practical problems and promote technological progress. In the present Special Issue, we have invited contributions from leading groups in the field with the aim of giving a balanced view of the current state of the art in this discipline. For more details, please see the following link: https://www.mdpi.com/si/197037

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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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