

## Special Issue

# Polymer Nanocomposites in Energy Storage and Conversion Devices

### Message from the Guest Editor

This volume will deal with the application of nanocomposites and nanomaterials, preferably containing polymers, as one of the components in energy storage and conversion devices. Papers describing the modeling, synthetic route, and characterization of new hybrid (composite) nanomaterials are particularly welcome. We will also consider papers related to the description of the performance of energy storage and conversion devices based on nanocomposites. Review papers dealing with the presented scope will also be considered. Special attention will be paid to the application of nanocomposites in electrochemical energy storage devices; batteries, supercars, and fuel cells; and in photovoltaics.

### Guest Editor

Prof. Dr. Władysław G. Wieczorek

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### Deadline for manuscript submissions

closed (15 June 2021)



## Nanomaterials

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## About the Journal

### 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.

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### Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

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