Special Issue

Nanomaterials for Catalysis and Energy Storage

Message from the Guest Editors

The ever-increasing demands for energy are directly influencing global warming, and the scarcity of natural energy resources is steering research attention toward alternative energy resources. In this context, energy-storage devices are important research subjects. Among them, batteries and supercapacitors are considered highly efficient. The design and development of catalysts/photocatalysts, which are active and cover the maximum part of the solar energy spectrum, have attracted considerable research attention in recent years. Recent research has focused on developing highly active catalysts/photocatalysts, which are an alternative to conventional catalysts. This Special Issue, Nanomaterials for Catalysis and Energy Storage, broadly focuses on electric double-layer capacitors, hybrid capacitors, Li and sulfur batteries, and fuel cells. We invite authors to contribute original research articles, review articles, and short communications for peer-reviewed publication covering the most recent progress and development in the area of nanomaterials for catalysis and energy storage.

Guest Editors

Dr. Sajid Ali Ansari

Dr. Md. Mahbubur Rahman

Dr. Nazish Parveen

Deadline for manuscript submissions

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Nanomaterials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nanomaterials@mdpi.com

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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

Prof. Dr. Eugenia Valsami-Jones
School of Geography, Earth and Environmental Science, University of Birmingham, Birmingham B15 2TT, UK

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