

## Special Issue

# Synthesis and Characterization of Porous Hybrid Nanomaterials

### Message from the Guest Editor

Dear colleague, Hybrid materials constitute a synergistic combination of organic and inorganic components at the nanometer or even molecular level. New generations of hybrid materials and nanocomposites with tailorable surface properties are finding increasing applications in many areas, such as environmental protection, sorption technologies, filtration processes, biomedicine, sensing, and biosensing, (photo)catalysis, as well as multifunctional coatings. Proper design of porosity is of paramount importance, as the porous structure (along with surface chemistry) determines the key properties associated with practical applications in the above-mentioned areas. It is our pleasure to invite you to publish your work in this Special Issue entitled “Synthesis and Characterization of Porous Hybrid Nanomaterials” in the form of full articles, communications, or reviews. The aim of this Special Issue is to gather articles describing new concepts related to the synthesis, functionalization, characterization, and application of different classes of porous hybrid materials and systems. See more information at <https://mdpi.com/si/133981>. We look forward to your submission.

### Guest Editor

Dr. Mariusz Barczak

Institute of Chemical Sciences, Faculty of Chemistry, Maria Curie-Skłodowska University, Lublin, Poland

### Deadline for manuscript submissions

closed (30 April 2023)



## Nanomaterials

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Impact Factor 4.3  
CiteScore 9.2  
Indexed in PubMed



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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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