Special Issue

Multifunctional Materials and Applications: Basic Nanomaterials, Catalysis, Composites, Electronics, and Biomaterials: 2nd Edition

Message from the Guest Editor

We would like to invite all scientists, researchers, and scholars in the field of multi-functional materials and applications, particularly those who are participants in the 19th International Conference on Multi-functional Materials and Applications (ICMMA 2025), to submit their original research papers, short communications, reviews, and mini-reviews to this Special Issue of *Nanomaterials*, entitled "Multifunctional Materials and Applications: Basic Nanomaterials, Catalysis, Composites, Electronics, and Biomaterials: 2nd Edition". The conference topics and scope of this Special Issue cover all aspects of basic nanomaterials, catalysis, composites, electronics, and biomaterials, and this issue will be divided into the following main sections:

- Nanomaterials related to design, synthesis, and modifications;
- Nanomaterials related to characterization;
- Nanomaterials related to applications.

We kindly encourage you to submit a manuscript regarding one of the above topics to this Special Issue.

Guest Editor

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Deadline for manuscript submissions

26 January 2026

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/239078

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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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