



an Open Access Journal by MDPI

Current Research in Magnetic Nanomaterials: From Fundamentals towards Applications

Guest Editor:

Dr. Ovidiu Crisan

National Institute for Materials
Physics, 077125 Magurele,
Romania

Deadline for manuscript
submissions:

closed (30 September 2023)

Message from the Guest Editor

Magnetic nanomaterials and nanoscale systems represent some of the most widely researched topics over recent decades. This Special Issue is trying to gather a carefully selected compilation of original research papers to aid our understanding of and gain insights into magnetic properties, tailored magnetic materials, and surface functionalized nanoparticles. This issue also calls for papers addressing fundamental approaches to magnetism and spintronics, prediction of novel magnetic compounds, as well as application-specific materials such as magnets for use in extreme conditions of technological operations and nanomagnetic systems for biomedical use as drug delivery agents, hyperthermia therapy, and contrast enhancement in magnetic resonance imaging or gene sequencing, to name but a few.



mdpi.com/si/105509

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

School of Geography, Earth and Environmental Science,
University of Birmingham,
Birmingham B15 2TT, UK

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (Physics, Applied) / CiteScore - Q1 (General Chemical Engineering)

Contact Us

Nanomaterials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/nanomaterials
nanomaterials@mdpi.com
[X@nano_mdpi](https://twitter.com/nano_mdpi)