

Special Issue

Atomic-Scale Properties of Magnetic Surfaces, Interfaces, and Nanostructures

Message from the Guest Editors

Magnetic surfaces, interfaces, and nanostructures are key elements for a wide spectrum of technological applications. Consequently, extensive research activities have been performed to explore the physical properties of these systems, including both fundamental and practical aspects. A deep understanding of the physical mechanisms at the atomic scale, both from theoretical and experimental points of view, is a crucial step towards utilizing magnetic nanomaterials in devices with improved functionality and efficiency in order to realize commercially available products for future everyday life. This Special Issue has the goal of collecting the latest original research contributions in the forms of short communications, articles, or comprehensive reviews on the atomic scale properties of magnetic surfaces, interfaces, and nanostructures. Our vision is to compile a high-impact Special Issue that will serve as an important reference for future research and development activities in this field. All considered papers should demonstrate clear links to atomic scale magnetic properties.

Guest Editors

Dr. Krisztián Palotás

Dr. Balázs Újfalussy

Prof. Dr. László Szunyogh

Deadline for manuscript submissions

closed (31 August 2021)



Nanomaterials

an Open Access Journal
by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/50575

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

[mdpi.com/journal/
nanomaterials](https://mdpi.com/journal/nanomaterials)





Nanomaterials

an Open Access Journal
by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed



[mdpi.com/journal/
nanomaterials](https://mdpi.com/journal/nanomaterials)



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.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

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

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, CAPIus / SciFinder, Inspec, and other databases.

Journal Rank:

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