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Nano-Magnets and Nano-Magnetisms

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Deadline for manuscript submissions:
closed (30 November 2022)

Message from the Guest Editors

Dear Colleagues,

The past decade has witnessed fast development in the field of low-dimension magnetic systems, such as nanodots, nanowires, thin film and two-dimensional materials, which have become a cutting-edge area in magnetism. This field has garnered tremendous research interests in both fundamental physics (e.g., unique nanoscale topological domain states, electrical modulation of nano-magnetisms, geometrical confinement effects) as well as practical device applications. Despite these advances, there are yet many open issues to be addressed.

This Special Issue aims to address a broad range of fundamental physics and practical applications referring to nanomagnets and nanomagnetism. The Special Issue will include experimental, theoretical, as well as numerical work. All article types of this field are welcome. Detailed information please visit: https://www.mdpi.com/journal/nanomaterials/special_issues/nano_magnetism

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Guest Editor

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Editor-in-Chief

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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.

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