



Magnetic Materials

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editor

Dear Colleagues,

This Special Issue will cover recent progress and novel trends in the field of molecular magnetism. Its aim is to collect several high-quality papers (full papers, communications, or reviews) presenting advances in synthesis, physicochemical characterization, as well as applications of magnetic molecular materials. In particular, the topics of interest include but are not limited to:

Novel functionalities of molecular magnets: luminescence thermometers, photomagnetism, humidity-sensitive magnetism;

Spin switching molecular compounds: spin crossover (SCO) from 0D to 3D polymeric structures;

Slow relaxation in molecular materials: single-molecule magnets (SMM) and single-chain magnets (SCM); hybrid materials based on SMMs and graphene and/or chemically modified graphene products;

Synthesis and characterization of molecular materials of reduced dimensionality: thin films and nanoparticles;

Molecular nanomagnets for future applications: molecular spintronics, quantum information processing, and information technologies.





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Editor-in-Chief

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Message from the Editor-in-Chief

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