# Special Issue

# Magnetic Materials

## Message from the Guest Editor

Dear Collegues,  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.

## Guest Editor

Dr. Nikolia Lalioti
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## Deadline for manuscript submissions

closed (30 June 2023)

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# About the Journal

## Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

## Editor-in-Chief

Prof. Dr. Alessandra Toncelli
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