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Magnetic Properties at Extreme Conditions

Guest Editor:

Prof. Dr. Mark Murrie
School of Chemistry, Joseph Black Building, University of Glasgow, Glasgow G12 8QQ, UK

Deadline for manuscript submissions:
closed (30 November 2020)

Message from the Guest Editor

Extreme conditions research bridges coordination chemistry, solid state chemistry, structure, magnetism, and spectroscopy and can be used to unravel new physical behavior in superconductivity, charge transport, and magnetism. Pressure can be applied to a range of molecular magnetic materials, including single-molecule magnets, spin crossover complexes, spin chains, and magnetic frameworks. Here, applied pressure provides a direct probe for investigating magnetostructural correlations, avoiding the need to examine numerous different chemical derivatives of a given material. It is rapidly becoming a convenient tool to study molecular magnetic materials, where it has been used to increase magnetic ordering temperatures, change the orientation of Jahn–Teller axes, and control magnetic anisotropy.

This Special Issue of *Magnetochemistry* aims at publishing a collection of research contributions illustrating recent achievements in all aspects of the development, study, and understanding of magnetic properties at extreme conditions.

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Editor-in-Chief

Prof. Dr. Carlos J. Gómez García

Department of Inorganic Chemistry, Faculty of Chemistry, University of Valencia, C/Dr. Moliner 50, 46100 Burjasot, Spain

Message from the Editor-in-Chief

Magnetochemistry constitutes a multidisciplinary field where chemists and physicists not only study magnetic properties but also design and synthesize chemical compounds with desired magnetic properties. *Magnetochemistry* is inviting contributions in any field related with this area, such as theoretical models, crystal engineering, molecular magnetism, SMM, SIM, SCM, SCO, magnetic nanostructures, magnetic MOFs, magnetic recording, qubits, magneto-caloric materials, etc. Our goal is to share your contribution in a timely fashion and in a manner that will be valued by the scientific community.

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Contact Us

Magnetochemistry Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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magnetochemistry@mdpi.com
𝕏@Magnetochem