



Frontiers in Molecule-Based Magnets

Guest Editor:

**Dr. Constantina
Papatriantafyllopoulou**

School of Chemistry, National
University of Ireland Galway,
Galway, Ireland

Deadline for manuscript
submissions:

closed (31 May 2022)

Message from the Guest Editor

Dear Colleagues,

Molecule-based magnets have witnessed an enormous development over the past few decades due to an intense focus on the discovery of new materials and phenomena and the need for a deeper understanding of the origin of their properties. It is an interdisciplinary field that combines several categories of fascinating species, including single molecule/chain/ion magnets, ferromagnets, spin crossover systems, thermal/photo/pressure-induced magnetic switches, spintronics, etc., which have the potential to be used in a wide range of technological and biomedical applications. This Special Issue aims to present research that spans the entire landscape of molecule-based magnets and identify and review the recent developments and breakthroughs in this field.

Dr. Constantina Papatriantafyllopoulou
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](#)