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Magnetism in Chemistry

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is entirely dedicated to magnetic interactions in chemistry. We welcome submissions of original research articles and reviews that demonstrate significant advances in the field of magnetism in heterogeneous or homogeneous chemistry, such as:

- structural characterizations demonstrating novel magnetic orderings for known catalysts;
- chemical studies providing solid proofs of improvement in catalytic performances (reaction rate, selectivity, flow rate...) by intrinsic and/or extrinsic magnetism;
- innovative theoretical treatments, theoretical advances and new models in understanding and clarifying the role of magnetism in chemical reactions;
- *state-of-the-art* DFT (and beyond-DFT) computation, computational analyses, and simulations able to clarify crucial aspects of magnetism in chemistry;
- new synergistic approaches utilizing theory, computation and experiments devoted to clarifying crucial aspects of magnetism in chemistry.



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Special Issue



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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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