

## Special Issue

# Magnetocaloric Effect in Molecular Magnets

### Message from the Guest Editor

In 1881 Emil Warburg discovered the magnetocaloric effect (MCE) in iron. Over the past 140 years, several outstanding achievements in this field have been obtained, including the Nobel Prize for William Giaque. Despite the passage of so many years, the MCE is still intensively studied. Although most MCE research is focused on alloys, molecular magnets provide an alternative approach, and are not limited to low-temperature applications. Recent results on the barocaloric effect (which is very analogous to MCE) for spin crossover compounds reveal remarkable performance close to room temperature. The aim of this Special Issue is to provide a comprehensive collection of articles which will describe the current status of MCE research. It will be an opportunity to present new results, summarize the research carried out so far, and introduce the MCE to newcomers. Both theoretical and experimental articles are welcome.

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### Guest Editor

Dr. Piotr Konieczny

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### Deadline for manuscript submissions

closed (28 February 2022)



## Magnetochemistry

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Carlos J. Gómez García

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