

## Special Issue

# Magnetocaloric Effect: Theory, Materials and Applications

### Message from the Guest Editor

The magnetocaloric effect (MCE) is due to the temperature change provoked by the application of a magnetic field. In this special chapter, the articles should improve:

- theoretical scientific knowledge (thermodynamics, magnetism)
- simulation studies (ab initio, Montecarlo)
- materials with high functional properties
- applications studies and development/simulation of specific devices (actuators, sensors, energy). As an example, magnetic refrigeration technology has brought an eco-friendly alternative to the conventional gas compression (CGC) technique.

This special issue is open to new ideas and approaches, as well to review articles. Dr. Joan-Josep Suñol Martínez

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### Guest Editor

Prof. Dr. Joan-Josep Suñol

Composite Campus- Materials and Thermodynamics labs, University of Girona, 17003 Girona, Spain

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### Deadline for manuscript submissions

closed (30 March 2022)



## Magnetochemistry

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# About the Journal

## Message from the Editor-in-Chief

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### Editor-in-Chief

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