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Magnetocalorics

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is devoted to magnetocaloric materials, technologies, and devices with magnetic phase transformations accompanied by the caloric effect.

A magnetic phase transition in a magnetocaloric material can be caused not only by a change in the applied external magnetic field, but also by a variation of temperature, pressure, stress, strain, or another stimulus. Multicaloric materials exhibit caloric responses to several external stimuli. The multicaloric effect is a combination of more than one effect from a subset of magneto-, electro-, elasto-, and barocaloric effects.

In this Special Issue, we would like to combine reports on magnetocalorics and related interesting topics, describing scientific discoveries, novel materials, new technologies and devices, theoretical limits, and future anticipations. Some of the topics are listed as the keywords. We welcome theory and experiment, reviews of the current state of the art, and any research related to the magnetocaloric effects, materials, technologies, and devices.

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Editor-in-Chief

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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