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Magnetic Field-induced Phase Transition

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2019)

Message from the Guest Editor

Some scientists have been interested in the generation of artificial strong magnetic fields and their application to research into condensed matter physics. This is because a variety of fascinating phenomena such as the quantum Hall effect and various kinds of quantum phase transitions have been discovered in strong magnetic fields. The potential properties of matter that are hidden in normal conditions can appear in strong magnetic fields as a result of "Magnetic Field-Induced Phase Transitions".

We invite researchers who employ strong magnetic fields to control material phases to submit papers. The potential topics include:

- Quantum spin systems
- Frustrated magnets
- Transition metal oxides
- Multiferroic materials
- Rare-earth intermetallic compounds
- Molecular solids
- Development of measurement techniques to probe field-induced phase transitions

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Special Issue

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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 crystal, where science merges with beauty and innovation.

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