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## New Trends in Materials for Permanent Magnets

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### Message from the Guest Editors

Dear Colleagues,

Permanent magnets are one of the most important materials in modern technology, being widely used in industrial and military systems and everyday life. The fields of application of permanent magnets, such as the energy/electrical, information/communication technology, automotive/robotics, and biomedical engineering industries, are fully expanding, leading to an accelerated demand for high-performance permanent magnets. This, together with growing concerns about environmental degradation due to the exploitation of rare earths, rising costs, and availability problems of rare earths, has led to intense efforts worldwide to search for alternative materials with the potential to prepare new types of permanent magnets.

In this Special Issue, we would like to gather contributions that address the latest developments in the field of permanent magnets, such as improving magnetic properties, reasonable and balanced use of rare earth resources, recycling, and alternatives to rare-earth-based modeling.



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# Special Issue



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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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