Special Issue

Microstructure and Properties of Intermetallic Compounds

Message from the Guest Editors

The continuous development of science and technology requires the availability of functional materials with exceptional properties. Intermetallic Compounds (IMCs), also known as intermetallics, intermetallic alloys, ordered intermetallic alloys, or long-range-ordered alloys, have been extensively studied due to their corrosion resistance, high-temperature mechanical properties, hydrogen storage ability, magnetic properties, shape memory, electrical conductivity, and more. The Special Issue aims to gather cutting-edge research and advancements in the field of intermetallic compounds. We invite researchers and scientists to present their latest findings, theories, and experimental results related to the microstructure and properties of intermetallic compounds. Potential topics include, but are not limited to:

- Synthesis and characterization techniques for intermetallic compounds;
- Microstructural investigation of intermetallic compounds;
- Mechanical properties of intermetallic compounds;
- Thermodynamic and kinetic aspects of intermetallics;
- Applications of intermetallic compounds.

Original research papers and state-of-the-art reviews are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (20 February 2025)

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About the Journal

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.

Editor-in-Chief

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