

Special Issue

Microstructure Evolution and Deformation Mechanisms in Lightweight Alloys

Message from the Guest Editors

A growing demand for lightweight metals and their alloys drives us to optimize the microstructure and enhance the mechanical properties of the materials. Lightweight metallic materials are favoured by many industrial fields owing to their high strength-to-weight ratios and are gradually being used for diverse structural applications for weight reduction. This Special Issue of *Crystals* will focus on the following topics:

- Microstructure evolution of lightweight alloys;
- Deformation mechanisms of lightweight alloys;
- Design of lightweight alloys with reinforced mechanical properties.

It is our pleasure to invite you to submit manuscripts related to this Special Issue in order to share your research ideas and results.

Guest Editors

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Deadline for manuscript submissions

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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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