

Special Issue

Recent Advances in Microstructure and Properties of Metals and Alloys (2nd Edition)

Message from the Guest Editors

Metallic materials are polycrystalline materials widely used in the production of many elements and engineering structures. The microstructure and technological production process of alloys are fundamental determinants of their mechanical, thermal, and electrical properties and, in many cases, constitute a major limiting factor in their use in many industrial applications.

This Special Issue will present the latest achievements in testing the properties of metallic materials produced using various manufacturing technologies, including heat treatment, as well as considerations regarding the relationship between innovative technological parameters, manufacturing technologies, and welding and production methods; the microstructure whose evolution they influence; and the properties of the obtained products.

This Special Issue on “Recent Advances in Microstructure and Properties of Metals and Alloys (2nd Edition)” will serve as a valuable resource for materials scientists, engineers, and technologists, offering a deeper understanding of the complex interplay between the microstructures and properties of alloys.

Guest Editors

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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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