

Special Issue

Structural and Mechanical Properties of Novel Mg Alloys

Message from the Guest Editors

Magnesium and its alloys, due to their high specific strength, are very promising for future structural applications pertaining to the aerospace, transportation, and energy sectors. However, the mechanical properties of industrial Mg alloys are relatively low, so it is necessary to develop novel Mg alloys with high performance. Therefore, this Special Issue, titled “Structural and Mechanical Properties of Novel Mg Alloys”, will collect papers that focus on the current status of new developments in Mg alloys. Specifically, we welcome papers related to the following aspects: preparation techniques employed in the development of novel Mg alloys, microstructural and property control in Mg alloys, deformation and recrystallization in Mg alloys, simulations of microstructure, and mechanical performance. We expect this Special Issue to provide readers with some perspectives on the latest progress in the developments and applications of novel Mg alloys, as well as to extend their use in various applications.

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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