



metals



an Open Access Journal by MDPI

Preparation and Processing Technology of Advanced Magnesium Alloys

Guest Editor:

Prof. Dr. Ruizhi Wu

Department of Materials Science
and Chemical Engineering,
Harbin Engineering University,
Harbin 150001, China

Deadline for manuscript
submissions:

closed (10 May 2024)

Message from the Guest Editor

As one of the lightest engineering metallic materials, magnesium alloys have become a significant area of research in the field of metal materials. In recent years, more and more researchers have engaged in research about magnesium alloys and their processing technologies.

This Special Issue, titled *Preparation and Processing Technology of Advanced Magnesium Alloys*, will focus on the newly developments of magnesium alloys. Specifically, it will cover new Mg alloys, the technical of casting, deformation technologies, microstructure characterization, and mechanical and functional properties.



mdpi.com/si/140382

Special Issue



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Hugo F. Lopez

Department of Materials Science
and Engineering, College of
Engineering & Applied Science,
University of Wisconsin-
Milwaukee, 3200 N. Cramer
Street, Milwaukee, WI 53211, USA

Prof. Dr. Yong Zhang

Beijing Advanced Innovation
Center of Materials Genome
Engineering, State Key
Laboratory for Advanced Metals
and Materials, University of
Science and Technology Beijing,
30 Xueyuan Road, Beijing 100083,
China

Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

Author Benefits

Open Access: free for readers, with **article processing charges (APC)** paid by authors or their institutions.

High Visibility: indexed within **Scopus**, **SCIE (Web of Science)**, **Inspec**, **CAPLUS / SciFinder**, and **other databases**.

Journal Rank: JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q1 (*Metals and Alloys*)

Contact Us

Metals Editorial Office
MDPI, St. Alban-Anlage 26
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/metals
metals@mdpi.com
[X@Metals_MDPI](https://twitter.com/X@Metals_MDPI)