



metals



an Open Access Journal by MDPI

Fabrication and Characterization Analysis of Biodegradable Magnesium and Zinc-Based Alloys Developed as New Biomedical Materials

Guest Editor:

Prof. Dr. Debao Liu

School of Materials Science and Engineering, Tianjin University of Technology, Tianjin 300384, China

Deadline for manuscript submissions:

closed (15 April 2023)

Message from the Guest Editor

Dear Colleagues,

In recent years, much progress has been made on the development of biodegradable magnesium and zinc alloys as implants in cardiovascular and orthopedic applications. This Special Issue focuses on the following topics: (i) the design, fabrication and characterization analysis of biodegradable magnesium and zinc alloys materials (ii) in vitro and in vivo performances of developed magnesium and zinc alloys materials.



mdpi.com/si/92661

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)