

Special Issue

Metallic Biomaterials Surface Engineering

Message from the Guest Editors

Osseointegration is a natural phenomenon that occurs in the appropriate conditions. The surface chemical composition, texture and shape of items, play an essential role in the success of the medical procedure to which the patient should be subjected. This Special Issue aims to publish some of the best research and reviews performed in the area of metallic biomaterials applications and will cover several topics like:

- Surface modifications for enhanced biological response
- Surface modification for infection control
- Biodegradable coatings and metallic biomaterials
- Bio-functionalization
- Cold plasma treatments
- Additive manufacturing of metallic biomaterial
- New alloys as biomaterials
- Porous metallic biomaterials
- Osseointegration
- Metal/tissue interfaces
- Computer-aided design of metallic implants and prosthesis
- Biomechanical design and characterization
- New trends in metallic biomaterials

Guest Editors

Prof. Dr. Tullio Monetta

Dr. Annalisa Acquesta

Dr. Anna Carangelo

Deadline for manuscript submissions

closed (28 February 2021)



Metals

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



mdpi.com/si/20280

Metals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metals@mdpi.com

[mdpi.com/journal/
metals](https://mdpi.com/journal/metals)





Metals

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



[mdpi.com/journal/
metals](https://mdpi.com/journal/metals)



About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei
Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) /
CiteScore - Q1 (Metals and Alloys)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 18.7 days after
submission; acceptance to publication is undertaken in 2.7
days (median values for papers published in this journal in
the second half of 2025).