metals

an Open Access Journal by MDPI

IMPACT FACTOR 2.9

CITESCORE 4.4

Computer Methods in Metallic Materials

Guest Editors:

Prof. Dr. João Manuel R. S. Tavares
Faculdade de Engenharia, Universidade do Porto, 4099-002 Porto, Portugal

Dr. José Machado
Departamento de Engenharia Mecânica, Faculdade de Engenharia, Universidade do Porto, Rua Dr. Roberto Frias, s/n, 4200-465 Porto, Portugal

Deadline for manuscript submissions:
closed (31 July 2022)

Message from the Guest Editors

Dear Colleagues,
The permanent development of computer methods is of great interest in the field of metallic materials, as its integration supports the increasing necessity to solve complex problems in numerical modelling involving physical phenomena.

The aim of this Special Issue "Computer Methods in Metallic Materials" is to disseminate numerical advances which have been achieved through the development and integration of new software, numerical models, and simulation techniques. Other areas of interest are related to data processing and machine learning models, or non-destructive testing (NDT) techniques. Such development of computer methods allows the exploration and introduction of new areas of study within metallic materials, such as metal forming, casting, nanotechnology, additive manufacturing processes of metals, as well as optoelectronic, magnetic, electronic and imaging technologies.

We are pleased to invite researchers, manufacturers, and end users to contribute to this Special Issue, which also welcomes review and perspective manuscripts.

metals

IMPACT FACTOR 2.9

CITESCORE 4.4

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 66
4052 Basel, Switzerland

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

mdpi.com/journal/metals
metals@mdpi.com
𝕏@Metals_MDPI