# **Special Issue**

# Machining and Finishing Processes for Metals

## Message from the Guest Editor

Machining technologies are the most widely used production technologies. By using mechanical, thermal or chemical energy, they are capable of providing a high energy density, thus enabling the machining of difficultto-cut materials, parts with complex geometries and narrow tolerances, micro parts, as well as the realization of specific production features at acceptable production rates and high-quality levels. In order to improve the aesthetic appeal of machined products; enhance their mechanical, tribological or electrical properties; and remove any possible defects or non-conformances, machining processes are usually followed by finishing processes such as grinding, honing, polishing, lapping, blasting, plating, coating, heat treating, advanced super finishing processes, etc. Considering the processes can be highly complex, scientific studies are striving for a better understanding of the underlying physical phenomena. This Special Issue kindly invites researchers from the aforementioned fields to present new theoretical or experimental results and recent advancements in the form of research articles and reviews.

#### **Guest Editor**

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## Deadline for manuscript submissions

closed (31 January 2023)



## Metals

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## **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

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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 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

