

Special Issue

Innovative Mechanical Processing Technology of Metals

Message from the Guest Editors

The mechanical processing of metal materials is an essential manufacturing process that affects the performance of materials. The technology for processing metal materials is undergoing a profound transformation driven by digitalization. The development and introduction of innovative technologies can optimize processing methods to produce products with enhanced performance and higher quality so as to meet the requirements of the industry. This Special Issue aims to present the latest research on the innovative processing of metal materials. The Special Issue includes—but is not limited to—the following topics:

- Innovative metal processing technologies;
- Innovative metal forming, including forging, rolling, extrusion, sheet-metal forming, etc.;
- Innovative metal cutting, including turning, milling, broaching, grinding, etc.;
- Innovative metallic product design, process analysis, and experiments;
- Novel design methods and the optimization of processing technology;
- Industry 4.0, IoT, and 5G-related applications on metals.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2023)



Metals

an Open Access Journal
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Impact Factor 2.5
CiteScore 5.3



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About the Journal

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.

Editors-in-Chief

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