Special Issue

Advances in Friction, Lubrication, Wear and Oxidation in Metals Manufacturing

Message from the Guest Editors

We would like to invite researchers to submit original research papers, short communications, and review articles to this Special Issue on “Advances in Friction, Lubrication, Wear and Oxidation in Metals Manufacturing”. This Special Issue is dedicated to disseminating the latest research and understandings based on advanced experimental studies and computational modellings related to the development of novel lubricants for the manufacturing and characterization of tribological properties and oxidation behavior of metals. The potential scope of interest includes (but is not limited to):

- Advanced manufacturing;
- Metal forming;
- Metals and alloys;
- Development and application of novel lubricants;
- Tribology testing;
- Characterization of friction and wear;
- Oxidation in manufacturing;
- Contact mechanics, computational simulation, and multiscale modeling.

Guest Editors

Dr. Guanyu Deng
Dr. Hongtao Zhu
Prof. Dr. Anh Kiet Tieu

Deadline for manuscript submissions

closed (31 December 2021)

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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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Author Benefits

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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).

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