

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

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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

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

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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).