



Rolling of Metals

Guest Editor:

Prof. Reza Riahi

Department of Mechanical,
Automotive, and Materials
Engineering, University of
Windsor, Windsor, Ontario,
Canada

Deadline for manuscript
submissions:

closed (30 April 2020)

Message from the Guest Editor

Metal rolling remains a relevant deformation process employed for the high volume production of wrought metal sheets, plates, bars, pipes and rods that are used in subsequent metalworking processes. As rolled metal products continue to comprise a substantial portion of manufactured metal products, the rolling of metals has attained a position of major importance in the metalworking industry. The complexity of metal rolling includes the refinement of the metal microstructure and texture, which has a distinct influence on establishing the final mechanical properties of the metal and has led to extensive research in this field. These interactions have been noted to be influenced by the thermo-physical and mechanical properties as well as the surface conditions of the work roll and work piece; the lubrication conditions; and the rolling parameters engaged.

For this Special Issue of *Metals*, we welcome reviews and articles in the areas of principle, computer-aided modeling, microstructural evolution, near-surface microstructure development and characterization, roll coating, lubrication (coolant), and the tribology of rolling.





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 26
4052 Basel, Switzerland

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

mdpi.com/journal/metals
metals@mdpi.com
[X@Metals_MDPI](https://twitter.com/X@Metals_MDPI)