

Special Issue

Advances in Research on the Tribological Behavior of Steels in Lubricated and Unlubricated Contacts

Message from the Guest Editor

Steel plays a key role in contemporary societies, and it is very difficult to imagine life today without this material. Extending the useful life of mechanical components by controlling wear has become a very important tool for reducing production costs in industries. In the same way, the reduction in friction generated in any machinery means significant savings in energy consumption. With this Special Issue, we seek to provide a series of articles on a wide variety of aspects related to the tribology of steels. The purpose is to exhibit recent advances in the characterization and evaluation of new technologies or techniques for the improvement of friction and wear behavior of steel materials. It is hoped that this open access Special Issue will provide a place for anyone wanting to familiarize themselves with the current state-of-the-art of tribological behavior of steels. Original research articles and short communications on the characterization and evaluation of new technologies applied to steels for the enhancement of their tribological performance are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2022)



Metals

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Impact Factor 2.5
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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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