



Friction and Wear of Metallic Materials—State of the Art

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Message from the Guest Editors

Dear Colleagues,

We welcome to this Special Issue manuscripts that report on studies concerning recent progress in the tribological research and applications of metallic materials, including, but not limited to, the following topics:

- The fundamentals of the wear and friction of metallic materials;
- The tribology of armor materials;
- Wear and friction in energy production, e.g., nuclear reactors;
- Wear and friction in external fields, e.g., electrical and magnetical fields and energy field-assisted machining;
- Progress in bionic tribology;
- Progress in tribology in electronic devices;
- AI and machine learning for tribo-material design and prediction;
- Computational tribo-materials and tribological processes;
- The additive manufacturing of tribo-materials;
- Progress in tribological research in the transportation sector;
- Wear and friction in electrical vehicles and trains;
- Surface engineering for friction and wear control.





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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.

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