

## Special Issue

# Recent Advances in Nanostructured Metallic Materials

### Message from the Guest Editors

Nanostructured materials are of particular interest in the materials community due to their unique microstructures and properties. The microstructural length scale of nanostructured materials is often on the order of a few to tens of nanometers. This Special Issue aims to present the latest advances in both experiments and simulations that can improve our understanding of the fundamentals and applications of nanostructured metallic materials. Both original research articles and reviews are welcome. This Special Issue will cover a wide range of topics, including but are not limited to the following:

- Advanced manufacturing of bulk nanostructured metals;
- Mechanical properties and deformation mechanisms of nanocrystalline metallic materials;
- Advanced characterization techniques of nanostructured materials, such as in situ characterization, synchrotron X-ray, neutron diffraction, etc;
- Radiation effects on nanostructured metals;
- Thermal, electrical, magnetic, and optical properties of nanocrystalline metallic materials.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2024)



## Metals

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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.

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### Editors-in-Chief

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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).