

## Special Issue

# Welding and Joining Technology of Dissimilar Metal Materials

### Message from the Guest Editor

Dissimilar material structures could realize a combination of dissimilar materials with excellent performance, which improves flexibility in design and production and meets the demand for function and properties in modern engineering structures. These structures have been widely used in many fields due to their higher technological and economic value.

Therefore, the reliable joining of dissimilar materials is becoming increasingly important. Nevertheless, the great difference in physical and chemical properties between dissimilar materials poses a huge challenge in achieving reliable joining. In this Special Issue, we welcome articles that focus on dissimilar material joining processes and ways to improve joint performance. The fully controllable, fast, and low-cost process is of particular interest, with a high potential for implementation in the joining of dissimilar materials, which enables the production of high-performance products.

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### Guest Editor

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### Deadline for manuscript submissions

31 October 2025



## 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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JCR - Q2 (Metallurgy and Metallurgical Engineering) /  
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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.8 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2024).