

Special Issue

Brazing and Diffusion Welding of New Materials and Dissimilar Materials

Message from the Guest Editor

We are proud to introduce our upcoming Special Issue of *Metals*, entitled “Brazing and Diffusion Welding of New Materials and Dissimilar Materials”. The development and applications of new materials and the joining of dissimilar materials are critical in advancing technology, across various industries. Brazing and diffusion welding are two prominent techniques that have shown significant potential in achieving strong, reliable joints in these challenging scenarios. This Special Issue will serve as a platform to explore novel bonding techniques and discuss evolving interfacial behaviors and strengths in this field. For this Special Issue, we will welcome a diverse range of studies on wetting, brazing, and diffusion wetting processes in new materials. Studies on DFT calculations for the corresponding interfaces would also fall within the scope of this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (20 June 2025)



Metals

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



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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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