# Special Issue

# New Welding Materials and Green Joint Technology

## Message from the Guest Editor

Welding technology, one of the important processes in material engineering, has been widely used in such industrial sectors as aeronautics, astronautics, energy, transportation, chemical industry, weapons, machinery, electronics and various metal structures. At present, new materials and electronic, computer and robotic technologies have been developed, and they provide new opportunities for us to further probe welding technology. However, new materials, components and devices have higher requirements in welding processes and welding materials. These requirements can promote the innovation of traditional technologies in the connection of new or special materials and dissimilar material components and the reliability detection and life evaluation of complex welding products, and advance the development of new welding processes and green connection technologies. In this Special Issue, we welcome a variety of research works on innovative green welding materials, new welding process and solder processing methods. Studies on additive manufacturing are also within the scope of this Issue.

## Guest Editor

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## Deadline for manuscript submissions

closed (30 June 2024)

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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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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).

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