

## Special Issue

# Editorial Board Members' Collection Series: "Structural Adhesives for Similar or Dissimilar Materials"

### Message from the Guest Editors

In the field of metal joining, structural adhesives are becoming increasingly significant as an alternative or complement to traditional methods. Despite its growing use, adhesive bonding of metals presents unique challenges. The performance of an adhesive joint in metallic applications is influenced by several factors, including surface preparation, environmental conditions, and the specific types of stresses that act on the bond. For metals, factors such as corrosion resistance, fatigue behavior, and compatibility with surface treatments are critical in determining the long-term durability of the bond. This Special Issue aims to highlight the latest advancements in structural adhesive technology, with a focus on bonding metallic materials. Topics of interest include new adhesive formulations for metals, methods for improving metal surface preparation, comparative studies of adhesive bonding versus welding or soldering in metals, and the impact of environmental factors such as humidity on adhesive performance. Studies addressing the durability, fatigue resistance, and corrosion behavior of adhesive bonds in metal applications are especially welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 November 2025)



## Metals

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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.

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### Editor-in-Chief

Prof. Dr. Yong Zhang

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