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

Prof. Dr. Aleksander Lisiecki

Department of Welding Engineering, Faculty of Mechanical Engineering, Silesian University of Technology, Konarskiego 18A Str., 44-100 Gliwice, Poland

Dr. Guido Di Bella

Department of Engineering, University of Messina, Contrada di Dio 1, 98166 Messina, Italy

Deadline for manuscript submissions

20 November 2025

Metals

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.3

mdpi.com/si/217114

Metals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metals@mdpi.com

mdpi.com/journal/metals

Metals

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.3

mdpi.com/journal/metals

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.

Editors-in-Chief

Prof. Dr. Hugo F. Lopez
Department of Materials Science and Engineering, College of Engineering & Applied Science, University of Wisconsin-Milwaukee, 3200 N. Cramer Street, Milwaukee, WI 53211, USA

Prof. Dr. Yong Zhang
Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Metals and Alloys)

Rapid Publication:

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).

MDPI