Special Issue

Plastic Deformation and Welding on Metallic Materials

Message from the Guest Editors

One of the most important properties of metals and alloys is their ability to deform permanently without breaking cohesion, known as plasticity. It is this property that makes possible the plastic processing of metals in processes including rolling, forging, pressing, drawing. and obtaining finished products and semi-finished products such as rods, profiles, sheets, pipes, and wires. The functional properties of structural materials, especially their mechanical characteristics, are significantly influenced by the chemical composition of the alloy, the manufacturing technology, and the heat and plastic processing used, which determine the material's crystalline structure and macro- and microstructure, as well as the presence or absence of texture. We are pleased to invite you to submit original research papers, short communications, or review articles that describe the current state of knowledge in the field of Plastic Deformation and Welding of Metallic Materials.

Guest Editors

Dr. Agnieszka Kurc-Lisiecka

Department of Logistics and Management Engineering, WSB Merito University in Poznan, 29 Sportowa, 41-506 Chorzow, Poland

Prof. Dr. Aleksander Lisiecki

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

Deadline for manuscript submissions

closed (30 December 2024)



an Open Access Journal by MDPI

Impact Factor 2.4 CiteScore 5.0



mdpi.com/si/195462

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

mdpi.com/journal/crystals





an Open Access Journal by MDPI

Impact Factor 2.4 CiteScore 5.0



About the Journal

Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

Prof. Dr. Alessandra Toncelli
Department of Physics, University of Pisa, 56126 Pisa, Pl, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

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

Journal Rank:

JCR - Q2 (Crystallography) / CiteScore - Q2 (Condensed Matter Physics)

