

Special Issue

Advanced High-Strength Steel

Message from the Guest Editors

Advanced high-strength steel stands as a cornerstone material that powers innovation and progress across numerous industries. From automotive manufacturing to aerospace engineering, and from structural buildings to precision machinery, its exceptional strength-to-weight ratio and enhanced properties have revolutionized the way we design and build. In recognition of this vital role, we are excited to announce the publication of a Special Issue dedicated to "Advanced High-strength Steel". This initiative aims to bring together the brightest minds in the field to share their latest research, insights, and applications. This Special Issue aims to cover the recent progress in the research field of steel, including phase transformations, mechanical properties, fatigue, precipitation, characterization, thermodynamic simulations, crystallography, materials processing, additive manufacturing, etc. You are cordially invited to contribute your manuscript to this Special Issue. We enthusiastically welcome full-length papers, brief communications, and comprehensive reviews on these topics. Your insights will enrich the dialogue on this critical subject matter.

Guest Editors

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Dr. Xuelin Wang

Dr. Xiangyu Xu

Dr. Yishuang Yu

Deadline for manuscript submissions

closed (10 July 2025)



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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

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