



Special Issue on
Metal Structure, Performance and Applications

Call for Papers

Metal Structure, Performance, and Applications is a comprehensive multidisciplinary field that examines the characteristics, behaviors, and practical uses of metallic materials. It focuses on understanding the atomic and crystalline structures of metals, as well as how these structures impact mechanical properties, such as strength, ductility, and toughness. Through experimental testing and theoretical analysis, researchers seek to optimize the performance of metals in various applications, including construction, aerospace, automotive, and manufacturing industries. By exploring the relationships between microstructure, processing techniques, and performance metrics, advancements in material design and engineering can be achieved to enhance the efficiency and reliability of metal-based products and structures. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in the area of Metal Structure, Performance and Applications.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Metal Structure, Performance and Applications**. Potential topics include, but are not limited to:

- Structural steel
- Aluminum structures
- Metal alloys
- Structural integrity
- Load-bearing capacity
- Corrosion resistance
- Tensile strength
- Structural design
- Welding techniques
- Metal fabrication
- Heat treatment
- Metalworking processes
- Architectural applications
- Metal coatings
- Weather resistance
- Metal forming
- Metal cladding systems
- Metal alloys in construction



Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Metal Structure, Performance and Applications**” should be selected during your submission.

Special Issue Timetable:

Submission Deadline	June 12th, 2024
Publication Date	August 2024

Guest Editor:

For further questions or inquiries, please contact Editorial Assistant at ojmetal@scirp.org.