

Special Issue

Advances in High-Energy Flux Technologies for Metallic Materials

Message from the Guest Editor

Articles focusing on the review, investigation, and innovations of high-energy flux technologies for metallic materials all welcome to this Special Issue of *Metals*. Research on electron beam and laser technologies, including additive manufacturing, electron beam and laser welding of metals, surface layer treatment, electron beam remelting and refining, electron beam machining, etc., is expected in this Special Issue. Experimental studies and simulations of high-energy flux technologies for metallic materials are also of interest.

Guest Editor

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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.

Editor-in-Chief

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CiteScore - Q1 (Metals and Alloys)

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manuscripts are peer-reviewed and a first decision is
provided to authors approximately 18.7 days after
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the second half of 2025).