

Special Issue

State-of-the-Art Metallic Materials and Metallurgy in Germany

Message from the Guest Editors

With the current amendment to the Climate Protection Act, the German government has tightened climate protection targets and set the goal of achieving greenhouse gas neutrality by 2045. In order to reduce CO₂ emissions by 65 percent by 2030 compared with 1990 levels, a billion-euro program has been launched to help decarbonize industry, among other things. Energy-intensive industries in metal production and processing are particularly affected, with the result that they are facing a comprehensive and irreversible transformation in order to achieve the climate targets set. The focus of this Special Issue is therefore on contributions to the state-of-the-art and the transformation of metallurgy and processing of metallic materials in Germany, considering the aspects of decarbonization and recyclability.

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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

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