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Advances in Metal Materials and Symmetry/Asymmetry

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Message from the Guest Editors

Dear Colleagues,

This Special Issue explores the intricate relationship between symmetry/asymmetry and the properties of metal materials, a crucial aspect in materials science and engineering. Symmetry and asymmetry, from crystal structures to macroscopic textures, play a pivotal role in determining material behavior, including mechanical strength, thermal conductivity, and corrosion resistance. We invite original research contributions that delve into the theoretical and practical implications of symmetry/asymmetry in metal materials, aiming to advance the development of innovative materials with enhanced performance.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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