Special Issue

Symmetry in Microwave Energy Applications and Microwave Characterization

Message from the Guest Editor

This Special Issue, entitled "Symmetry in Microwave Energy Applications and Microwave Characterization", aims to explore the significance of symmetric/asymmetric analysis methods and design concepts in microwave energy applications and microwave characterization. Specifically, it delves into novel designs for microwave circuits and components and practical implementations highlighting the efficiency and advantages of microwave heating and microwave preparation in either the symmetric or asymmetric network form. This Special Issue also aspires to a deeper understanding of near-filed microwave and microwave characterization, which contribute to novel methods in nondestructive detection, analysis of near-field microwave interaction, and nondestructive imaging in a microwave characterization system.

Guest Editor

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Deadline for manuscript submissions

30 September 2025

Symmetry

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About the Journal

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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