

Special Issue

Biocatalysts and Symmetry

Message from the Guest Editors

Dear Colleague, Biocatalysts, or enzymes, have a crucial role in numerous fields such as organic synthesis, pharmaceuticals, and the chemical industry due to their remarkable catalytic efficiency and high stereoselectivity. Biocatalysis has developed in the last two decades. The evolution of enzymes and engineered biocatalysts for enhanced performance, along with using computational tools for their evaluation, has opened new horizons in research and industrial applications. This Special Issue of "Biocatalysts and Symmetry" focuses on the diverse and innovative applications of biocatalysts, highlighting their critical role in various fields, particularly in the synthesis of pharmaceuticals. We aim to explore the multifaceted aspects of biocatalysis, from natural enzymatic processes to advanced engineered biocatalysts, and the computational techniques that drive their development. We invite contributions that cover a wide range of topics, including but not limited to biocatalysis and its applications in chemical synthesis; the development and utilization of multifunctional biocatalysts; advances in enzymatic syntheses for pharmaceutical production...

Guest Editors

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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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