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Chemistry and Symmetry/Asymmetry: Feature Papers 2023

Guest Editor:

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Deadline for manuscript submissions:
closed (31 January 2024)

Message from the Guest Editor

"Chemistry and Symmetry/Asymmetry: Feature Papers 2023" is a Special Issue encompassing a broad range of topics in symmetry or asymmetry in chemistry. All kinds of symmetry-related problems in chemistry may be the subject of papers submitted to *Symmetry*. One of the most relevant fields includes optical activity that is the consequence of a kind of chirality center. New transition metal complex catalysts comprising optically active ligands, and the asymmetric reactions that they allow, are also of interest. Thus, all researchers are invited to contribute submissions focused on, but not limited to, the following necessary and emergent research topics in related areas: asymmetric syntheses; chiral catalysts and chiral P-ligands; X-ray structures; crystal structures; dynamic kinetic resolution; biocatalysts; molecular clusters; theoretical calculations on enantioselective reactions; quantum chemistry; coordination chemistry; and transition metal complexes.

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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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