

Special Issue

Synthetic and Natural Compounds with Symmetry/Asymmetry in Medicinal and Environmental Chemistry

Message from the Guest Editors

In the era of Big Data, modeling techniques and bioinformatics approaches based on experimental and computational techniques have successfully highlighted the importance of applying computational methods in drug discovery and beyond. The computational approaches could be an effective strategy with low-costs and high efficiency for designing promising symmetric and asymmetric candidates for the treatment of life-threatening diseases or environmentally friendly compounds of public health interest. This Special Issue aims to provide an overview of recent advances in the field of medicinal and environmental chemistry. The submitted manuscripts should be focused on small molecules with symmetry/asymmetry having the potential for the treatment of current challenging diseases. Manuscripts focused on multidisciplinary topics on the design of small symmetrical/asymmetrical molecules as well as their applicability in environmental matters in the real-world context are also welcome. This Special Issue welcomes submissions from a wide range of disciplines, including chemistry, biology, medicine,

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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