symmetry

an Open Access Journal by MDPI

IMPACT FACTOR 2.7

CITESCORE 4.9

Molecular Self-Organization—the Underlying Mystery of Nature

Guest Editors:

Dr. Aneta Jezierska
Faculty of Chemistry, University of Wroclaw, 50-383 Wrocław, Poland

Dr. Jarosław J. Panek
Faculty of Chemistry, University of Wroclaw, 50-383 Wrocław, Poland

Kamil Wojtkowiak
Faculty of Chemistry, University of Wrocław, ul. F. Joliot-Curie 14, 50-383 Wrocław, Poland

Deadline for manuscript submissions:
31 August 2024

Message from the Guest Editors

Dear Colleagues,

We would like to invite you to share with the scientific community your expertise and knowledge of closed- and open-shell interactions described by static and time-evolution methods. The rapid development of computational technologies (hardware and software) has unfolded new possibilities, research areas and perspectives for scientists.

In this Special Issue, we would like to discuss the pros and cons of the application of diverse methods to describe processes at the molecular level that are important from the point-of-view of material science and drug design. Therefore, we would like to pay special attention to small, middle-sized and complex systems in the context of their physico-chemical properties relevant to biological and industrial applications. However, not only that, we would also like to look at reaction mechanisms involving, for example, radicals. Understanding catalytic processes and the appropriate design of new catalysts is of immense importance today. Another important aspect is the symmetry of molecules, or lack thereof.

symmetry

IMPACT FACTOR 2.7

CITESCORE 4.9

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergei D. Odintsov
1. Institució Catalana de Recerca i Estudis Avançats (ICREA), Passeig Luis Companys, 23, 08010 Barcelona, Spain
2. Institute of Space Sciences (ICE-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.
Journal Rank: JCR - Q2 (*Multidisciplinary Sciences*) / CiteScore - Q1 (*General Mathematics*); Q1 (*Physics and Astronomy*); Q1 (*Computer Science*)

Contact Us

Symmetry Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/symmetry
symmetry@mdpi.com
𝕏@Symmetry_MDPI