

Special Issue

Symmetry and Molecular Spectroscopy

Message from the Guest Editors

This Special Issue on Symmetry and Molecular Absorption is aimed at highlighting the role of symmetry in structural and reactivity studies performed with spectroscopic methods. Historically, the symmetry classification of molecular states has been of great value in the analysis of absorption spectra and in making predictions on molecular geometries. It was well known that significant structural aspects of molecules, either in the ground or in the excited states, could be investigated making recourse to their symmetry properties. Successively, symmetry arguments were advanced in order to establish a theoretical framework in studies of molecular reactivity and reaction mechanisms. In this respect, the Woodward–Hoffman rules should be at least recalled as an extraordinarily solid attempt to rationalize the photochemical pathways of concerted reactions.

Guest Editors

Prof. Dr. Pier Remigio Salvi

Department of Chemistry, University of Florence, Florence, Italy

Dr. Cristina Gellini

Department of Chemistry, University of Florence, Florence, Italy

Deadline for manuscript submissions

closed (28 February 2021)



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/38013

Symmetry
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
symmetry@mdpi.com

[mdpi.com/journal/
symmetry](https://mdpi.com/journal/symmetry)





Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



[mdpi.com/journal/
symmetry](https://mdpi.com/journal/symmetry)



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.

Editor-in-Chief

Prof. Dr. Sergei Odintsov
ICREA, 08010 Barcelona and Institute of Space Sciences (IEEC-CSIC),
C. Can Magrans s/n, 08193 Barcelona, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within SCIE (Web of Science), Scopus, CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Multidisciplinary Sciences) / CiteScore - Q1
(General Mathematics)