



Asymmetries in Biological Phenomena

Guest Editor:

Dr. Hervé Seligmann

The National Natural History
Collections, The Hebrew
University of Jerusalem,
Jerusalem, Israel

Deadline for manuscript
submissions:

closed (15 August 2021)

Message from the Guest Editor

Dear Colleagues,

Symmetries in natural phenomena, and causes for departures from symmetry, relate to the deepest properties embedded in natural phenomena. Biological structures and processes are no exception. Our understanding of biological asymmetries, whether random (fluctuating) or systematic (directional) is scarce. This is true at the levels of morphological bilateral (a)symmetries, biomolecular chirality, behavioural laterality, genetic code structure, DNA structure, and directionality in biomolecular processes such as replication, transcription and translation.

This special issue invites reviews, new insights and research on these topics at any level of biological phenomena, including analyses that unite asymmetries across observational scales and topics.

Dr. Hervé Seligmann
Guest Editor





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

Journal Rank: JCR - Q2 (*Multidisciplinary Sciences*) / CiteScore - Q1 (General Mathematics)

Contact Us

Symmetry Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

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