symmetry

an Open Access Journal by MDPI

IMPACT FACTOR 2.7

CITESCORE 4.9

Symmetry/Asymmetry of Differential Equations in Biomathematics

Guest Editors:

Dr. Liang Zhang
College of Science, Northwest A&F University, Yangling 712100, China

Prof. Dr. Junli Liu
School of Science, Xi'an Polytechnic University, Xi'an 710048, China

Prof. Dr. Tailei Zhang
School of Science, Chang'an University, Xi'an 710064, China

Deadline for manuscript submissions:
31 December 2024

Message from the Guest Editors

Dear Colleagues,

It is well known that differential equations are powerful tools for the study of biomathematics, and symmetry/asymmetry is a common phenomenon in the real world. The study of the symmetry/asymmetry of differential equations in biomathematics is of great significance in revealing the interaction or motion changes among organisms.

This Special Issue focuses on recent advancements and applications of differential equations in biomathematics, emphasizing the role of symmetry and asymmetry in biological systems. Topics include the development and analysis of mathematical models in biology, novel computational methods for solving differential equations, and the investigation of complex biological systems through the lens of symmetry and asymmetry. We invite original research articles, reviews, and methodological contributions that provide new insights into the interplay between symmetry, asymmetry, and differential equations in the context of biomathematics...

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