

Special Issue

Symmetry in Numerical Analysis and Applied Mathematics

Message from the Guest Editors

The world is mathematical. Symmetry and asymmetry play an important role in it. Many issues in technology, engineering, physics, electronics, mechanics, and even economic sciences or biology can be described with more or less complex mathematical models. This is why it is so important to constantly expand our knowledge in this field. The aim of this Special Issue is to provide a series of articles presenting the broadly understood application of mathematics to solve problems occurring in mathematical modeling, engineering, technology, computer science, and other branches of study. In particular, we welcome submissions on methods for solving differential and integral equations (including fractional-order equations), functional equations, integral approximations, and applications of mathematics bordering on computer science, e.g., word combinatorics, heuristic algorithms, and artificial intelligence methods. **Keywords**

- Artificial intelligence methods
- Heuristic algorithms
- Computer mathematics
- Numerical analysis
- Mathematical modeling
- Numerical methods
- Differential, integral, and functional equations

Guest Editors

Dr. Mariusz Pleszczyński

Dr. Rafał Brociek

Dr. Giacomo Capizzi

Deadline for manuscript submissions

31 December 2025



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/211228

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

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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.

Editor-in-Chief

Prof. Dr. Sergei Odintsov

1. ICREA, 08010 Barcelona, Spain

2. Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

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