



symmetry

an Open Access Journal by MDPI



Applied Mechanics, Engineering and Modeling

Guest Editors:

Prof. Dr. Quan Jiang

Prof. Dr. Gennady Kolesnikov

Prof. Dr. Vladimir Siunev

Dr. Maria Zaitseva

Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

Symmetry generalizes the concepts of structural regularity, balance, stability and a kind of aesthetics of natural and artificial systems. However, the properties of the components of the system change over time, and, as a result, asymmetry appears, which causes a movement towards symmetry, that is, towards a new state of balance between the components of the system. Such cycles are repeated each time at a new level, which should correspond to contemporaries' research, including models and methods in applied mechanics and technology. Thus, many updated solutions can be offered to predict the interconnections between the components of different systems as a contribution to sustainable development. In this Special Issue, authors are invited to present their theoretical and experimental research aimed at solving problems directly or indirectly related to the designated areas, including the following topics:

Modeling of technological processes of timber harvesting and processing;

Modeling the properties of paper and other materials obtained from wood raw materials;

Modeling the properties of rocks;

Modeling of technological processes in construction;

etc.



mdpi.com/si/75549

Special Issue



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