symmetry

an Open Access Journal by MDPI

IMPACT FACTOR 2.2

CITESCORE 5.4

Symmetry in Numerical Analysis and Computational Fluid Dynamics

Guest Editors:

Dr. Dhananjay Yadav
Department of Mathematical and Physical Sciences, University of Nizwa, P.O. Box 208, PC 133 Al Khuwair, Nizwa 616, Oman

Dr. Mukesh Kumar Awasthi
Department of Mathematics, Babasaheb Bhimrao Ambedkar University, Lucknow 226025, India

Dr. Rishi Asthana
School of Engineering and Technology, BML Munjal University, Gurugram, Haryana 123106, India

Deadline for manuscript submissions:
closed (31 October 2023)

Message from the Guest Editors

Dear Colleagues,

Fluid flow, in various geometries, plays an important role in industry as well in our daily life. In the case of cylindrical configuration, there are many applications of capillaries, such as water jets, film boiling, film-wise condensate, etc. The decay of any liquid cylindrical jet into different droplets is a complex and universal process that is useful both in nature and industry. The root cause of jet decay is the instability generated on the surface of the jet. When a liquid jet enters the atmosphere, the interface between the atmospheric air and the jet becomes unstable, resulting in liquid jet decay. The exact solution of the Navier–Stokes equation is not currently known, and therefore, general numerical- and symmetry-based numerical methods are very helpful for the computation of various properties of fluid flows required for industry.

We invite contributions from authors on these topics.

Dr. Dhananjay Yadav
Dr. Mukesh Kumar Awasthi
Dr. Rishi Asthana
Guest Editors

mdpi.com/si/149952

Special Issue

symmetry

IMPACT FACTOR 2.2

CITESCORE 5.4

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