



symmetry

an Open Access Journal by MDPI



Relativistic Gravity, Cosmology and Physics of Compact Stars

Guest Editor:

Prof. Dr. Aram Saharian

Department of Physics, Yerevan
State University, Alex Manoogian
Street, 0025 Yerevan, Armenia

Deadline for manuscript
submissions:

closed (30 January 2022)

Message from the Guest Editor

The proposed Special Issue will cover actively pursued subjects of modern relativistic astrophysics and cosmology. It will include articles touching on the most diverse aspects of the field, such as modern problems in Einstein's classical theory of gravity and its alternatives, string theory-motivated cosmological models, quantum field theory in a curved background, quantum effects in cosmological models with nontrivial topology, quantum effects in a braneworld scenario, the properties of superdense matter and the relativistic structure of compact stellar objects, the vast diversity of the manifestations of compact stars, including the modern aspects of the equation of state of superdense matter, its magnetic and thermal properties, rotational dynamics, superfluidity and superconductivity, and phase transition from hadronic to quark matter.



mdpi.com/si/29241

Special Issue



Editor-in-Chief

Prof. Dr. Sergei D. Odintsov

1. Institutió 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