

Special Issue

Selected Papers on Lasers, Accelerators, and Optics to Celebrate the 100th Anniversary of the Birth of N.G. Basov

Message from the Guest Editor

The aim of the issue is to present results and ideas in the fields of physics that determine the progress of compact XUV and X-ray sources. They will find wide applications in scientific research, industry, healthcare, security systems, and other socially significant areas. Theoretical and experimental contributions are equally encouraged. The following areas are of particular interest:

- Classical electrodynamics: fundamentals and computations;
- Ultrafast optics;
- Pico–fermto second lasers;
- Generation and acceleration of bright electron beams;
- Problems of accelerating structures with a high rate of energy gain;
- Problems of storage rings for low (

Guest Editor

Prof. Dr. Alexander Vladimirovich Vinogradov
P.N. Lebedev Physical Institute of the Russian Academy of Sciences,
119991 Moscow, Russia

Deadline for manuscript submissions

closed (31 March 2023)



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.4



mdpi.com/si/86190

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

[mdpi.com/journal/
symmetry](https://mdpi.com/journal/symmetry)





Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.4



[mdpi.com/journal/
symmetry](https://mdpi.com/journal/symmetry)



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. 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

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)