



## Symmetric Ordered Algebraic Structures and Lattice Theory

Guest Editor:

**Dr. Hashem Bordbar**

Center for Information  
Technologies and Applied  
Mathematics, University of Nova  
Gorica, SI-5000 Nova Gorica,  
Slovenia

Deadline for manuscript  
submissions:

**closed (31 December 2025)**

### Message from the Guest Editor

Dear Colleagues,

This Special Issue will explore the subject of ordered sets and lattices in different algebraic structures such as commutative algebra, homological algebra, computational algebra, ordered algebra, and hypercompositional algebra, with an emphasis on symmetry relations. The other purpose of this Special Issue is to investigate the application of lattice theory to physics, computer science, and other disciplines.

This Special Issue presents high-quality papers of original research in the field of algebra and the connection between algebraic structures, symmetric relations, ordered sets, and lattices. Articles from related research areas that have a significant bearing on algebra will also be considered. In addition, new theoretical aspects as well as practical applications representing current research directions on this topic are welcome.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Sergei Odintsov

ICREA, 08010 Barcelona and  
Institute of Space Sciences (IEEC-  
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