# Special Issue

# Symmetry and Microelectronic/Optical Materials

**Message from the Guest Editors**

In the study of microelectronic or optical materials, symmetry is a critical problem. It pertains to the introduction of defects or impurities or any breakdown of a crystal structure. From the point of view of quantum physics, this may cause certain transitions between different states. Extensive physical and chemical reactions can be expected, including the enhancement of certain physical parameters (e.g., electrical polarization). This can be carried out by adding impurities. For example, adding certain elements may alter the fluorescence band of a crystal.

We live in an era that has witnessed tremendous research progress in topological materials, ferroelectric materials, thermoelectric materials, optical materials, and optoelectronic materials. We anticipate that more progress will be made with respect to the combination of symmetry and microelectronic/optical materials.

In this Special Issue, we seek theoretical or experimental studies of impurities or defects or any change in a crystal, expecting a complete change in the physical or chemical properties of the crystal system.

**Guest Editors**

Dr. Zongan Li

Dr. Ye Wu

Dr. Yingcheng Lin

**Deadline for manuscript submissions**

31 December 2025


**Symmetry**

**an Open Access Journal by MDPI**

**Impact Factor 2.2**
**CiteScore 5.3**

mdpi.com/si/231782

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

mdpi.com/journal/symmetry

# Symmetry

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 5.3

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. ICREA, 08010 Barcelona, Spain
2. Institute of Space Sciences (IEEC-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 )

MDPI