





an Open Access Journal by MDPI

Symmetry Considerations for Ferroelectric Materials and Flexoelectricity

Guest Editor:

Dr. Peter V. Yudin

Institute of Physics of the Czech Academy of Sciences, 18221 Prague, Czech Republic

Deadline for manuscript submissions:

closed (31 October 2022)

Message from the Guest Editor

Ferroelectrics are inseparable from symmetry breaking. In these and other related materials symmetry plays important role for the interpretation of observed phenomena, and enables their use in devices such as memory and reconfigurable electronics.

This Special Issue invites you to submit original research works, review articles, and short communications related to symmetry considerations for ferro-, antiferro-, piezo-, pyro-, and flexo-electricity, as well as other related effects. The impact of material's symmetry as well as symmetry of defects, boundary conditions and applied stimuli on structure, properties and dynamics are of interest. This special issue aims to promote knowledge exchange for this important scientific direction, building at the intersection of physics, mathematics, and materials science.







IMPACT FACTOR 2.2



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 Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (*Multidisciplinary Sciences*) / CiteScore - Q1 (General Mathematics)

Contact Us