



Special Issue on Experimental Physics and Instrumentation

Call for Papers

Experimental Physics is a branch of physics that focuses on the design and conduct of experiments to investigate and understand the fundamental principles and behaviors of matter and energy. It involves the use of various experimental techniques and instrumentation to measure, observe, and analyze physical phenomena in controlled environments. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in the area of **Experimental Physics and Instrumentation**.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **Experimental Physics and Instrumentation**. In this special issue, potential topics include, but are not limited to:

- High-energy physics
- Nuclear physics
- Atomic physics
- Condensed matter physics
- Materials science
- Superconductivity
- Photonics
- Quantum mechanics
- Optoelectronics
- Lasers
- Plasma physics
- Astrophysics
- Particle physics detectors
- Imaging techniques
- Ultrafast laser technology
- Nonlinear optics
- Micro and nanofabrication techniques
- Semiconductor devices and sensors

Authors should read over the journal's [Authors' Guidelines](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Experimental Physics and Instrumentation**” should be selected during your submission.



Special Issue timetable:

Submission Deadline	August 16th, 2024
Publication Date	October 2024

Guest Editor:

For further questions or inquiries
Please contact the Editorial Assistant at
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