



Special Issue on
Condensed Matter Phenomena and Applications
Call for Papers

Condensed Matter Phenomena and Applications explores the physical properties, structures, and behaviors of condensed phases of matter, including solids, liquids, soft materials, and nanostructures. This field investigates fundamental phenomena such as superconductivity, magnetism, phase transitions, quantum effects, electronic transport, and crystallography, while also emphasizing practical applications in materials science, electronics, energy technologies, photonics, and advanced manufacturing. It integrates theoretical modeling, experimental techniques, and computational simulations to advance the understanding and development of functional materials and emerging technologies in modern physics and engineering.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Condensed Matter Phenomena and Applications**. Potential topics include, but are not limited to:

- Superconductivity and quantum materials
- Magnetism and spintronics
- Nanomaterials and nanostructures
- Semiconductor physics
- Soft condensed matter
- Crystallography and lattice dynamics
- Electronic and transport properties
- Phase transitions and critical phenomena
- Surface and interface physics
- Thin films and coatings
- Photonic and optical materials
- Computational condensed matter physics
- Low-dimensional systems
- Energy materials and storage systems
- Advanced functional materials
- Experimental techniques in condensed matter physics

Authors should read over the journal's [For Authors](#) 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 - Condensed Matter Phenomena and Applications**” should be selected during your submission.

Special Issue Timetable:

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Guest Editor:

Dr. Omole Ezekiel Olaoluwa

Department of Physical Sciences, Landmark University, Nigeria

For further questions or inquiries, please contact Editorial Assistant at papersubmissionyun@gmail.com.