



Special Issue on
Condensed Matter and Materials Physics
Call for Papers

Condensed Matter and Materials Physics focuses on the fundamental and applied aspects of matter in its solid and condensed phases, encompassing both classical and emerging materials systems. It welcomes research on the structural, electronic, magnetic, optical, and thermal properties of materials, as well as novel quantum phenomena in low-dimensional, correlated, and topological systems. The issue aims to highlight advances in experimental techniques, theoretical modeling, and computational simulations that deepen our understanding of material behavior and enable the design of next-generation functional and quantum materials for electronics, energy, and photonic technologies.

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

- Computational materials physics
- Energy and functional materials
- Magnetism and spintronics
- Materials under extreme conditions
- Nanostructured materials
- Optical and photonic materials
- Phase transitions and critical phenomena
- Quantum materials
- Semiconductor physics
- Soft condensed matter
- Solid state physics
- Strongly correlated systems
- Superconductivity
- Surface and interface physics
- Topological materials
- Two-dimensional materials

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 and Materials Physics**” should be selected during your submission.

Special Issue Timetable:

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