



Special Issue on Advanced Condensed Matter Physics

Call for Papers

Advanced Condensed Matter Physics explores the physical properties and emergent behavior of matter in solid and strongly interacting systems, with attention to phenomena arising from collective interactions at microscopic and macroscopic scales. It addresses electronic, magnetic, optical, structural, and thermal properties of materials, together with quantum effects, phase transitions, low-dimensional systems, and novel states of matter. The topic also incorporates experimental techniques, theoretical modeling, and computational approaches for understanding complex materials and advancing applications in quantum devices, nanotechnology, energy systems, and functional materials.

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

- Quantum materials
- Strongly correlated systems
- Superconductivity
- Magnetism and spintronics
- Topological materials
- Two-dimensional materials
- Nanostructured materials
- Semiconductor physics
- Electronic transport
- Optical properties
- Phase transitions
- Quantum phase phenomena
- Soft condensed matter
- Surface and interface physics
- Computational materials physics
- Advanced spectroscopy and microscopy

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 - *Advanced Condensed Matter Physics***” should be selected during your submission.

Special Issue Timetable:

Submission Deadline	December 28th, 2026
Publication Date	February 2027

Guest Editor:

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