



Special Issue on
Advanced Functional Materials and Applications

Call for Papers

Advanced Functional Materials and Applications brings together cutting-edge research on the rational design, synthesis, characterization, and technological deployment of materials engineered to deliver targeted electrical, optical, magnetic, catalytic, mechanical, or stimuli-responsive functions. The topic encompasses nanomaterials, smart polymers, advanced ceramics, hybrid composites, energy conversion and storage systems, optoelectronic platforms, biomaterials, and functional surface coatings. Particular emphasis is placed on elucidating structure–property–performance relationships, scalable fabrication strategies, multiscale modeling approaches, and application-driven optimization. Contributions that demonstrate practical implementation in energy systems, environmental technologies, electronics, biomedicine, and sustainable engineering are especially encouraged.

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

- Biomaterials engineering
- Catalytic materials
- Composite material systems
- Energy storage materials
- Environmental remediation materials
- Flexible electronic materials
- Hydrogen storage materials
- Magnetic functional materials
- Nanostructured materials
- Optoelectronic materials
- Phase change materials
- Photovoltaic materials
- Smart polymer systems
- Surface functional coatings
- Thermoelectric 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 - *Advanced Functional Materials and Applications***” should be selected during your submission.

Special Issue Timetable:

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