



Special Issue on New Materials and Intelligent Devices

Call for Papers

New Materials and Intelligent Devices is a rapidly evolving interdisciplinary field at the intersection of materials science, electronics, computer science, and engineering. It focuses on the design, synthesis, and integration of advanced functional materials—often termed “intelligent” or “smart” materials—with device architectures that can perceive, respond to, and adapt to their environment. Unlike traditional materials that serve passive structural or functional roles, intelligent materials possess the inherent ability to sense external stimuli (such as light, heat, force, electricity, and magnetism), initiate dynamic responses, and even self-optimize their performance. 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 this area of **New Materials and Intelligent Devices**.

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

- Stimuli-Responsive and Adaptive Materials
- Energy-Related Materials and Devices
- Optical and Photonic Materials
- Sensing and Actuation Materials
- Soft Materials and Flexible Electronics
- Biomimetic and Bio-inspired Materials
- Information Functional Materials
- Manufacturing and Integration Technologies

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 - New Materials and Intelligent Devices**” should be selected during your submission.

Special Issue timetable:

Submission Deadline	September 24th, 2026
Publication Date	November 2026

Guest Editor:



For further questions or inquiries
Please contact Editorial Assistant at
ns@scirp.org