

Special Issue

Research in Nanotechnology and Interface Engineering of Nanomaterials

Message from the Guest Editors

Functional nanoparticles have emerged as key building blocks in modern materials science, offering unprecedented control over composition, structure, and performance at the nanoscale. This Special Issue, “Research in Nanotechnology and Interface Engineering of Nanomaterials”, aims to highlight recent progress in the design, synthesis, characterization, and practical deployment of functional nanoparticles across a wide range of scientific and technological fields.

We welcome contributions that report innovative and sustainable synthesis approaches, including chemical, physical, and green methodologies, as well as comprehensive studies on structural, optical, electronic, magnetic, catalytic, and mechanical properties. Particular emphasis will be placed on understanding how precise nanoscale engineering translates into enhanced performance in real-world applications such as biomedicine, drug delivery, catalysis, energy storage and conversion, environmental remediation, sensing, and smart materials.

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Deadline for manuscript submissions

20 September 2026



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/273584

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Message from the Editorial Board

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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