# Special Issue

# The Research of Inorganic Nanomaterials

### Message from the Guest Editor

Research on the fabrication of highly efficient optoelectronic devices has been tremendously expanded in the last decades, mainly thanks to the development of new materials which either substitute or incorporate conventional ones. Nowadays, a plethora of inorganic materials is already being used in devices such as solar cells, transistors, light-emitting diodes (LEDs), photodetectors, and catalysts. In recent years, nanomaterials have attracted considerable attention due to their excellent magnetic and optoelectronic responses, enhanced stability, and high surface-to-volume ratio, which qualify them as promising candidates to replace or complement conventional technologies. Therefore, this Special issue will cover a broad array of topics focused on inorganic nanomaterials and nanocomposites, emphasizing their synthesis, properties, and applications.

- Inorganic nanomaterials (semiconductors, quantum dots, oxides, ceramics, etc.)
- Nanocomposites (hybrid nanomaterials, inorganic/organic, etc.)
- Optoelectronic properties
- Applications (catalysis, solar cells, lasers, photodetectors, etc.)

### Guest Editor

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### Deadline for manuscript submissions

closed (1 October 2021)

**Materials**

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### Message from the Editor-in-Chief

*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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