

## Special Issue

# Development and Application of Advanced Inorganic Composites

### Message from the Guest Editor

Inorganic nanomaterials are a class of compounds characterized by unique properties that result in advantageous surface, bulk, and optical characteristics. Nevertheless, their integration into technology creates additional economic and ecological challenges, which are a current priority for both science and industry. In this context, the integration and uniform distribution of nanoparticles in various media create conditions for the formation of nanocomposites. Applying suitable synthesis methods for these dispersion systems, coupled with detailed characterization and investigation of their physical and chemical properties, opens up new opportunities that align with industrial needs. Therefore, in this Special Issue, we invite you to submit manuscripts on synthesis methods for preparing nanocomposite materials, detailed characterizations of the resulting inorganic systems, and investigations of their physical properties. We are particularly interested in works directly associated with the synthesis and analysis of multicomponent oxide systems doped or substituted by different rare elements.

### Guest Editor

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### Deadline for manuscript submissions

closed (20 December 2024)



## 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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