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Development and Application of Advanced Inorganic Composites

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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.



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Special Issue



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Message from the Editor-in-Chief

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