



Nanoscience & Nanotechnology: Selected Papers from TNT2021

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Message from the Guest Editor

Nanotechnology has huge potential to impact established industrial sectors, building new emerging industries and niche segments and creating economic value. The high-level scientific meeting “Trends in Nanotechnology” series (TNT) aims to present a broad range of current research in Nanoscience and Nanotechnology, as well as related policies or other kind of initiatives. TNT events have demonstrated that they are particularly effective in transmitting information and establishing contacts among workers in this field.

This Special Issue, “Nanoscience and Nanotechnology: Selected Papers from TNT2021”, will contain the accepted papers presented during the TNT2021 International Conference (Tirana, Albania). The selected papers will include advanced nanomaterials preparation, characterization, properties and their applications in sectors such as Medicine, Energy, Optics or Security & Defense.





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Editor-in-Chief

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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