

## Special Issue

# Hybrid Nano Polymer Composites (2nd Edition)

### Message from the Guest Editors

Hybrid Nano Polymer Composites is an interdisciplinary field that combines the unique properties of nanoparticles and polymers to create advanced materials with enhanced mechanical strength, thermal stability, electrical conductivity, and other desired characteristics. Volume II of the Special Issue collection on Hybrid Nano Polymer Composites focuses on gathering publications that cover recent developments, cutting-edge research, and advancements in the field. It aims to provide a comprehensive overview of the state of the art, challenges, and future prospects of Hybrid Nano Polymer Composites, in particular with piezoresistive, thermoresistive, and piezoelectric properties for sensing applications, as well as electroactive and shape memory materials, suitable for the new technology of 4D printing, that adds unique functions to 3D-printed architectures under the influence of external stimuli. For more details, you can see the following link: <https://www.mdpi.com/si/193227>

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2025)



## Nanomaterials

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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### Editor-in-Chief

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