



Synthesis and Application of Nanocomposite Materials

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Message from the Guest Editors

Dear Colleagues,

In the realm of material science, the spotlight is now firmly fixed on nanocomposites, captivating the scientific community with their remarkable potential to enhance the intrinsic qualities of polymers while introducing innovative functionalities.

This Special Issue has been curated to shine a spotlight on the most recent and groundbreaking developments within the world of nanoparticles and nanocomposites, with a particular emphasis on the remarkable multifunctionality that nanostructures bring to a diverse array of applications. Of note are the cutting-edge advances in creating novel strain sensors and solid polymer electrolytes, elevating the performance of structural batteries and supercapacitors, and pioneering biosensors and human motion detectors. Moreover, we eagerly welcome studies that investigate the influence of nanostructures on other aspects, boosting the performance of conventional polymers and polymer matrix composites. Theoretical models focused on the mechanical, electrical, thermal, electrochemical, or biological behavior of nanostructured polymers are also warmly encouraged.





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Message from the Editor-in-Chief

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