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Design, Analysis, Manufacture and Testing of Nanocomposites

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Message from the Guest Editor

Dear Colleagues,

With numerous theoretical and experimental techniques emerging in diverse scientific fields, the study of nanocomposites has increased dramatically over the years in various scientific areas, with new processes in the design, analysis, manufacture, and testing of nanocomposites. The enormous number of potential materials and their combinations, the wide range of synthesis paths, the improvement of experimental equipment, and the integration of computer techniques (including simulations, artificial intelligence, and machine learning tools) provide the scientific field of nanocomposites with an infinite horizon of possibilities.

It is my pleasure to invite you to submit original research and review articles for this Special Issue addressing innovative approaches and novel proposals on different application areas aimed at the recent advances in the field of nanocomposites. In particular, the main objective is to give a broad and current view of some of the most active lines of research and to gather specific experience from various research communities in the latest developments and trends in the field of nanocomposites.

Prof. Dr. Dimitrios Tzetzis

Guest Editor



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Special Issue



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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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