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Multifunctional Nanocomposites in 3D Printing Technologies

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Message from the Guest Editors

During the last few years, nanocomposites have become interesting for several industrial applications due to the possibility of adding functional properties by including nanostructures into a host material. Over the same period, 3D printing and additive manufacturing technologies have reached a good level of development with the possibility of being integrated in production lines for the manufacturing of complex components. The possibility of joining the functional properties of nanocomposites to 3D printing technologies is a present challenge, aiming to produce, in a single shot, complex components for industrial applications.

This Special Issue of *Nanomaterials*, "Multifunctional Nanocomposites in 3D Printing Technologies" aims to provide an overview on recent advances in the development of new materials, new printing technologies, and improvements to their performances.

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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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