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Advanced Nanocomposites for 3D Printing Applications

Guest Editor:

Dr. Giovanni Spinelli

OLEM, Institute of Mechanics,
Balgarian Academy of Sciences,
1113 Sofia, Bulgaria

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Message from the Guest Editor

A recent research field involving the development and optimization of nanocomposites concerns the 3-dimensional printing (3DP) also known as additive manufacturing (AM) which allows fast and accurate fabrication of complex structures with wide range of sizes and forms thus favoring a low-cost and rapid prototyping. The introduction of nanotechnology into this innovative field offers huge potential and opportunities for the manufacturing of 3D printed parts with customizable properties and specific multifunctionality.

The forthcoming Special Issue “Advanced Materials for 3D Printing Applications” aims at gathering and publishing original research papers, letters as well as review articles, which either add knowledge to the current understanding of nanocomposites suitable for additive manufacturing applications, or report new insights in this field.



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Special Issue



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Editor-in-Chief

Prof. Dr. Shirley Chiang

Department of Physics, University
of California Davis, One Shields
Avenue, Davis, CA 95616-5270,
USA

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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Nanomaterials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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