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Functional Biodegradable Nanocomposites

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Message from the Guest Editors

Recently, significant progress has been made in the creation of biodegradable polymeric formulations with functionalities similar to those of non-biodegradable polymers, both of natural and of synthetic origin, extending their applicability to fields like food packaging, production of health-related materials, agriculture, etc. In this context, biodegradable nanocomposites offer new and exciting possibilities. Therefore, this Special Issue invites manuscripts dealing with the development of functional polymer nanocomposites that can undergo biodegradation in different media, including biological systems, soils, landfills, etc. Original articles covering all aspects of polymer science and technology will be considered for publication.

Deadline for manuscript
submissions:

closed (21 September 2021)



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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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