

## Special Issue

# Conducting Polymer Nanocomposites Based on Carbon Nanomaterials (CNMs)

### Message from the Guest Editor

Carbon nanomaterials (CNMs), such as single- and multiwalled carbon nanotubes, carbon nanofibers, graphene, and graphene oxide, have found a great interest in the fields of nanocomposite materials because of their unique properties. In particular, they are characterized by a large surface area, good environmental stability, and excellent electrical, thermal, chemical, and mechanical properties. Clearly, the incorporation of CNMs in polymer matrices is a very attractive approach to merge the mechanical and processability features of the polymer with the conductive properties of the nanofiller. These nanocomposites open up new opportunities in various fields ranging from sensors, electrochemical capacitors, solar cells, transistors, to molecular electronic devices... For further reading, please follow the link to the Special Issue website at:  
<https://www.mdpi.com/si/32610>

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### Guest Editor

Dr. Orietta Monticelli  
Università degli Studi di Genova, Genoa, Italy

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### Deadline for manuscript submissions

closed (31 December 2021)



## Nanomaterials

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*Nanomaterials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[nanomaterials@mdpi.com](mailto:nanomaterials@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

School of Geography, Earth and Environmental Science, University of  
Birmingham, Birmingham B15 2TT, UK

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