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Functionalized Graphene Derivatives: Structure, Properties and Biological Applications

Guest Editors:

Dr. Alessandra Zicari

Department of Experimental
Medicine, Sapienza University of
Rome, V.le Regina Elena 324,
00161 Rome, Italy

Dr. Marco Tafani

Department of Experimental
Medicine, Sapienza University,
00161 Rome, Italy Department of
Experimental Medicine, Sapienza
University, Rome, Italy

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Message from the Guest Editors

Dear Colleagues,

In recent years, we have witnessed a burst in the production and usage in biomedicine of nanomaterials in general and of graphene in particular.

Graphene and graphene oxide are very suitable in biosystems: in fact, they show low cytotoxicity and chemical properties that allow the binding of active biomolecules and could therefore favor their intracellular delivery.

Progresses in nanotechnology have allowed production of different forms of graphene that now represent a family, each member of which possesses different characteristics and properties.

Unfortunately, this massive interest and production is not accompanied by a deep study of its biological effects, so that there is still much to discover and understand regarding many aspects of this nanomaterial.

This Special Issue will focus on new aspects of graphene, such as functionalization, toxicity studies, and applications in biology and medicine.

We invite authors to submit innovative research papers or reviews toward better understanding the effects of graphene nanoparticles in biosystems.

Particular attention will be dedicated to the antimicrobial and antiviral properties of graphene.



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Special Issue



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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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