

Special Issue

Carbon-Based Materials for Therapeutic Application

Message from the Guest Editor

Drug delivery, biosensing, carbon monoxide release, antibacterial, anti-inflammatory, tissue engineering, implants etc. are some of the many applications that reap the benefits of carbon nanomaterials. Research is currently focused either on developing more advanced carbon-based nanomaterials (aside from the carbon nanotubes, graphene, and fullerenes that have been studied up to now) and the functionalization of nanomaterials with therapeutic agents (e.g., oligonucleotides, aptamers), or in the development of alternative, more advanced applications. However, since human bodies are complex, it is advised to gain deeper knowledge of the mechanisms by which the therapeutic effect is achieved. In this context, omics and molecular techniques can result in a better understanding of the topic.

This Special Issue is focused on the collection of high-quality research articles, comprehensive reviews, and novel communications in order to present the state-of-the-art research on the therapeutic applications developed using carbon-based nanomaterials. This Special Issue is supervised by Dr. Chatzimitakos Theodoros and assisted by our Topical Advisory Panel Member Dr. Kasouni Athanasia.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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