# Special Issue

# Graphene-Based Materials for Biomedical and Environmental Applications

### Message from the Guest Editors

Graphene is a planar sheet of carbon atoms and has numerous advantages compared to other materials in the construction of sensors and biosensors. The large surface area and the easiness in the transfer of electrons make such material highly sensitive towards interface changes, thus contributing to the fabrication of improved sensor/biosensor devices. In addition, graphene can be easily functionalized with various biomolecules (DNA, proteins, peptides) by π–π stacking and hydrophobic interactions or with metal/metal oxide nanoparticles, forming composites desirable in biomedical and environmental applications. This Special Issue is addressed to all types of sensors/biosensors using graphene and functionalized graphene, designed for biomedical and environmental analysis.

### Guest Editors

Dr. Stela-Maria Pruneanu

Prof. Dr. Cecilia Cristea

Dr. Mihaela Tertis

### Deadline for manuscript submissions

closed (20 August 2022)


## Sensors

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*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

## Editor-in-Chief

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