

Special Issue

Game Changer Nanomaterials: A New Concept for Biosensing Applications

Message from the Guest Editors

The relentless research in nanomaterials is expanding almost every field of science. Biosensing is not an exception, and a multitude of papers have been published on this topic, focusing on the improved analytical performances of the resulting brand-new sensors based on these nanomaterials. Many authors have highlighted the role of metal/metal oxide nanoparticles, nanostructured polymers, and carbon nanomaterials in the enhancement of the sensitivity and limit of detection. Interestingly, the synergistic effect that these nanomaterials provide to biological recognition elements such as enzymes has also attracted attention. On the other hand, other nanostructured materials have entirely replaced these biological species, bringing selectivity and avoiding the main demerits of enzyme-based biosensors. This Special Issue aims to collect novel and interesting new approaches of nanomaterials being applied in the biosensing field. Importantly, due to new research paths, not only will biosensors be considered, but also nanomaterials-based sensors that may compete with the classical idea of biosensors.

Guest Editors

Prof. Dr. José María Palacios Santander

Prof. Dr. Laura Cubillana Aguilera

Dr. Juan José García Guzmán

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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Message from the Editor-in-Chief

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

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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