

Special Issue

The State-of-the-Art in Semiconductor Materials Based Sensors

Message from the Guest Editor

This Special Issue focuses on the state of the art for sensors based on semiconductor materials, including metal oxides, conducting polymers, carbon nanotubes, and 2D materials, with a special emphasis on nanostructured materials, heterostructures, and nanocomposites. Sensors based on semiconductor materials include chemiresistive sensors and electrochemical biosensors. The aim of this Special Issue is to highlight the diverse spectra of semiconducting materials used in sensors and their synthesis procedures, properties, and technology, including printable and flexible electronics in a wide range of sensing applications, spanning monitoring of the environment, food industry, health monitoring, industrial applications, and smart cities.

Guest Editor

Dr. Maria Vesna Nikolić

Institute for Multidisciplinary Research, University of Belgrade, 11000 Belgrade, Serbia

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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
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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