



*sensors*



an Open Access Journal by MDPI

## Carbon Nanosensors for Bio-Chemical Detection

Guest Editor:

**Prof. Dr. Giuseppe Trusso Sfrassetto**

Department of Chemical Science,  
University of Catania, Catania,  
Italy

Deadline for manuscript  
submissions:

**closed (25 December 2022)**

### Message from the Guest Editor

Carbon nanomaterials represent a new generation of materials having nanometer sizes. These classes of nanomaterials, including carbon nanoparticles, carbon and graphene quantum dots, graphene, graphene oxide, carbon fibers, carbon nanotubes, show exciting advantages with respect to classic single molecules, due to the combination of minuscule size and high surface area and have enormous potentiality for multipurpose uses, such as catalysis, medicine and biomedicine, and also sensing.

The target of this Special Issue is to collect the recent advances on this field (research articles and review), in particular on the detection of chemical and biological analytes having high impact on human life, including, but not limited to transition metals, organic and inorganic pollutants, chemical weapons, neurotransmitters, molecules or biomolecules related to important diseases, and metabolites.



[mdpi.com/si/76352](https://mdpi.com/si/76352)

**Special** Issue



*sensors*



an Open Access Journal by MDPI

## 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

## 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.

## Author Benefits

**Open Access** : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility**: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

**Journal Rank**: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

## Contact Us

---

*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)