



## Nanomaterials-Based Sensors for Biomedical Monitoring

Guest Editor:

**Dr. Cláudia Lopes**

Centro de Física das  
Universidades do Minho e Porto,  
Universidade do Minho, Campus  
de Gualtar, 4710-057 Braga,  
Portugal

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### Message from the Guest Editor

Dear Colleagues,

The development of new optimized sensing devices is crucial for modern preventive medicine, being primarily responsible for high-resolution monitoring of human biochemical and bioelectrical activity.

For the medical device industry, it is very important to obtain the right type of sensor, which lasts for a long time and assists in recording high-quality signals. The sensor comprises the first stage of the signal chain and, therefore, plays a key role in the overall noise and performance of the acquisition system.

The ability to produce new materials sculpted at the nanoscale offers the possibility to target very specific functions with biocompatibility, lightness, comfort, and integrated usability. This specific topic of the Special Issue aims to bring an significant contribution to the field of sensing, including, but not limited to, the following topics:

- Nanomaterials-based sensors for bioelectrical detection;
- Nanomaterials-based sensors for biochemical detection;
- New technologies applied to the development of nanomaterials-based sensors;
- New designs for biomedical health monitoring systems.





# sensors



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### **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

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Sensors Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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