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Biosensors – Recent Advances and Future Challenges

Guest Editors:

Dr. Paolo Bollella

Department of Chemistry,
University of Bari Aldo Moro, Bari,
Italy

Prof. Dr. Evgeny Katz

Department of Chemistry &
Biochemistry, Clarkson
University, Potsdam, NY 13699-
5810, USA

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Message from the Guest Editors

The present Special Issue is devoted to all aspects of biosensing in a very broad definition, including, but not limited to, biomolecular composition used in biosensors (e.g., biocatalytic enzymes, DNAzymes, abiotic nanospecies with biocatalytic features, bioreceptors, DNA/RNA, aptasensors, etc.), physical signal transduction mechanisms (e.g., electrochemical, optical, magnetic, etc.), engineering of different biosensing platforms, operation of biosensors in vitro and in vivo (implantable or wearable devices), self-powered biosensors, etc.

The present Special Issue will cover all research areas related to biosensor devices, biosensoric procedures, and various biosensor applications, specifically emphasizing biomedical applications and environmental monitoring. The Special Issue will be composed of review-style articles, which can be comprehensive literature reviews or reviews based on the author's research activities (like concept papers). The Special Issue is planned for later conversion to a book on the same topic.



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Special Issue



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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.

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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