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Biosensors – Recent Advances and Future Challenges

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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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Message from the Editor-in-Chief

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