

Special Issue

Design and Sensitivity Analysis for Biosensors: Latest Advances and Prospects

Message from the Guest Editors

Biosensors are becoming a more prominent part of our lives. The requirements of high sensitivity, better reliability, accuracy, and repeatability of biosensors are a few major deal breakers for a biosensor to be commercialized. Most biosensors, either selective or label free, are based on the interaction of the receptor and target molecules but it is always hard to predict the behavior of the sensor system. Even with the advancements, recent research still focuses on the design and optimization of novel biosensor structures. Therefore, this Special Issue focuses on the latest advancements and prospects of novel biosensor designs. We encourage authors to submit manuscripts on FET-based biosensors and biosensing signal amplification circuits are encouraged. Experimental or simulation studies of biosensors to explain the quantitative results are also welcome. For more information on the Special Issue, please visit [LINK](https://www.mdpi.com/journal/applsci/special_issues/1O52929BVG) https://www.mdpi.com/journal/applsci/special_issues/1O52929BVG

Guest Editors

Dr. Naveen Kumar

Device Modelling Group, School of Engineering, University of Glasgow, Glasgow G12 8LT, UK

Dr. César Pascual García

Materials Research and Technology Department, Luxembourg Institute of Science and Technology, Esch-sur-Alzette, Luxembourg

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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