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Design and Sensitivity Analysis for Biosensors: Latest Advances and Prospects

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Deadline for manuscript submissions:

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Message from the Guest Editors

Dear Colleagues,

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.

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Message from the Editor-in-Chief

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