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Current Development on Electrochemical Glucose Biosensors

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Message from the Guest Editors

The main objective of this Special Issue is to illustrate the development of all generations of electrochemical glucose biosensors. The key areas of the issue include enhanced electrodes, technologies, materials, enzymes, and fundamental science related to clinical, chemical, physical, biological, and IoT engineering-related aspects, as follows:

- Novel mediators for electrochemical glucose sensors (organic, inorganic, polymer, co-polymer, dual, hybrid, etc.).
- Modification techniques between enzymes and electrodes for long-term measurement.
- Latest techniques related to fourth-generation glucose biosensors (materials, engineering, methods, enhanced performance, etc.).
- Studies on skin-implantable and wearable electrochemical glucose biosensors (materials, engineering, methods, enhanced performance, etc.).
- Characterization and optimization of materials for electrochemical glucose biosensors.
- Study on IoT grafting technology for electrochemical glucose biosensors.
- Electrochemical glucose biosensor trends and commercialization.
- Original articles and review papers related to other recently developed electrochemical glucose sensors.

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Message from the Editor-in-Chief

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