Special Issue

Advances in Electrochemical Bioelectronic Sensors

Message from the Guest Editors

Bioelectronics is a fast-developing field that attracts a lot of attention, especially in recent years. The fusion of biology and electrical engineering enabled the use of functional biostructures in sensing and energy harvesting applications. Advances in wireless communication technologies and low-power electronics had significantly broadened the application range of biosensors, allowing convenient and user-friendly pairing bioelectronic devices with smartphones and other personal electronics. We focus on integrated sensing bioelectronics that uses electrochemical signal transduction. We aim to collect high-quality research and review papers covering fundamental and practical aspects, starting from the implementation of novel materials, surface modification and functionalization methods to design, electronics integration, power management, and signal processing.

- Immunosensors
- Medical diagnostics
- Bioelectronics
- Electrochemical detection
- Bioelectrocatalysis
- Wearable electronics
- Power management
- Impedance spectroscopy
- Electronics integration
- Enhanced biosensing
- Signal transduction
- Analytical chemistry
- Biosensors

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About the Journal

Message from the Editorial Board

Chemosensors continues to grow as a forum for all manners of sensing that encompass chemistry. *Chemosensors* is published in open access format – all articles and content are released on the internet immediately following acceptance, thus allowing unlimited access to the content as soon as it is published. We would be happy to have you join our growing list of authors.

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