

Special Issue

Bioelectronic Sensor

Message from the Guest Editors

Several three-terminal organic bioelectronic structures have been proposed so far to address the needs for a variety of biosensing applications. The most popular structures utilize organic field-effect transistors operated in an electrolyte, to detect both proteins and genomic analytes. They are endowed with selectivity by immobilizing a layer of bio-recognition elements. These features along with the foreseen low-cost for their production, make them very appealing for point-of-care biomedical applications. Electrolyte-gated organic field-effect transistors (EGOFETs) and organic electrochemical transistors (OECTs) are prominent for detecting biochemical recognition events, as they are easily fabricated and operated. This Special Issue is dedicated to advanced and emerging concepts and technologies of transistor amplified detection for different biochemical reactions. Topics include field-effect transistor (FET)-based transduction of biochemical events, such as ionic and enzymatic, as well as immunometric or genomic interactions. For detailed information, please visit [here](#).

Guest Editors

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

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