Special Issue

Organic Bioelectronics for Bioengineering Application

Message from the Guest Editors

Organic bioelectronics-enabled smart devices have shown their potential to tackle critical challenges in bioengineering applications associated with disease diagnostics, food safety, agriculture, and environmental monitoring. This Special Issue aims to introduce cutting-edge research activities in organic bioelectronics, revealing the open challenges for building next-generation bioelectronic devices. The Special Issue welcomes original and review articles, which will present current high-impact research topics as well as future perspectives in bioelectronics. Key topics include, but are not limited to, the following: 1) organic bioelectronic device and system design, 2) smart biosensors and bioelectronic systems, 3) wearable and implantable bioelectronics, 4) self-powered and integrated bioelectronics, 5) lab-on-a-chip microsystems, 6) biomedical signal processing of bioelectronics, 7) in vitro or in vivo monitoring systems for biological signals, and 8) machine learning for smart bioelectronics.

Guest Editors

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