# **Special Issue**

## Latest Developments in Biopotential Sensor Development for Brain Signals

## Message from the Guest Editor

Biopotential sensors, specifically electrodes, play a crucial role in diagnosis, neuroscience, and medical research. These sensors are essential for accurately detecting and measuring electrical signals generated by biological tissues, particularly the brain. Over the past few years, the development of biopotential sensors, encompassing both invasive and noninvasive technologies, has seen significant advancements. This progress has opened new avenues for research and clinical applications.

This Special Issue is dedicated to exploring the latest advancements in the development and application of biopotential sensors for acquiring brain signals. It aims to highlight innovative sensors and methodologies that enhance the precision and reliability of brain signal acquisition. Additionally, this issue will welcome contributions that introduce novel techniques for analyzing brain biopotential signals, as well as practical applications of these technologies. Potential topics include but are not limited to:

- biopotential sensors
- electrodes
- brain signals
- brain-computer interface

### **Guest Editor**

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## Deadline for manuscript submissions

30 April 2026



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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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