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Microelectrode Sensors and Microelectrode Arrays

Guest Editor:

Dr. Damion Corrigan
Biomedical Engineering
Department, The University of
Strathclyde, Glasgow, UK

Deadline for manuscript
submissions:

closed (31 October 2020)

Message from the Guest Editor

The area of microelectrode and microelectrode arrays (MEA) for chemical and biological sensing has gained considerable interest over the last decade, promising a wide range of applications in biomedical research, medical diagnostics, and chemical and environmental sensing, as well as having potential end uses in defence, security, and agriculture.

We invite manuscripts for this Special Issue from all aspects pertinent to microelectrode sensor and MEA development. Both reviews and original research articles are welcome. Reviews should provide an up-to-date and critical overview of state-of-the-art technologies and new applications arising from the use of microelectrodes and MEAs relevant to biosensing. Original research papers that describe the use of microelectrodes or MEAs, such as organ-on-a-chip, sensitive biomarker measurements, neuroelectrochemical measurements, chemosensing as well as surface functionalization strategies, advances in fabrication techniques, or the detection of specific biomolecules in complex clinical samples, are also of interest.



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Special Issue



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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

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.

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Sensors Editorial Office
MDPI, St. Alban-Anlage 66
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