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Electrochemical Sensors in Bioanalytical Chemistry

Guest Editors:

Dr. Rocco Cancelliere

ENEA, Technologies and Devices
for Electrochemical Storage
(TERIN-DEC-ACEL), 00123 Rome,
Italy

Dr. Laura Micheli

Department of Chemical Science
and Technologies, University of
Rome Tor Vergata, 00133 Rome,
Italy

Dr. Giuseppina Rea

Institute of Crystallography,
National Research Council of
Italy, Via Salaria Km. 29,300,
00015 Monterotondo, Rome, Italy

Message from the Guest Editors

Electrochemical transducers are at the core of electrochemical sensors and convert chemical information into measurable electrical signals (such as current, voltage, charge, and impedance) in a proportional manner to the analyte's concentration. The intervention of nanomaterials, nanocomposites and conducting polymers in electrochemical sensor build-up, along with improvements in miniaturization techniques, and engineering of chemical and biological matter contributed to the development of sensors with unprecedentedly high sensitivity and selectivity parameters.

This Special Issue covers the latest advances in electrochemical sensors development, focusing on all aspects of design, fabrication, and implementation strategies exploiting functional materials and natural or biomimetic materials.

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Editors-in-Chief

Prof. Dr. Jin-Ming Lin

Beijing Key Laboratory of
Microanalytical Methods and
Instrumentation, Department of
Chemistry, Tsinghua University,
Beijing 100084, China

Prof. Dr. Nicole Jaffrezic- Renault

Institute of UTINAM, University of
Franche-Comté, UMR-CNRS 6213,
16 Gray Road, 25030 Besançon,
France

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Chemosensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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