



Electronic Tongues: Recent Strategies and Applications

Guest Editor:

Prof. Dr. Wojciech Wróblewski

Chair of Medical Biotechnology,
Warsaw University of Technology,
Noakowskiego 3, 00-664 Warsaw,
Poland

Deadline for manuscript
submissions:

closed (15 October 2019)

Message from the Guest Editor

Chemical sensors of limited selectivity may be used in the sensor arrays of electronic tongue systems, dedicated to the automatic analysis of complex liquid samples. The measured signals of the sensor arrays form a sample fingerprint carrying an increased amount of information, since the signal of each cross-sensitive sensor is affected by many components. The analysis of the signals obtained from the arrays requires the use of chemometric tools, which results in a sample's classification or the determination of its individual components. Therefore, electronic tongue systems based on various sensor array designs and chemometric strategies have been successfully exploited in many different fields, ranging from foodstuffs and environmental control, to pharmaceutical and medical diagnostics, as well as process monitoring.

The aim of this Special Issue is to collect recent developments in electronic tongue systems, including various architectures of sensor arrays (classical and hybrid platforms), data treatment strategies as well as specific fields of application.





sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Orabona
4, 70126 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.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)