

Special Issue

Electronic Tongues, Electronic Noses and Other Chemometric-Based Approaches for Analytical Applications

Message from the Guest Editors

Over the last few years, there has been an increasing demand for fast, highly sensitive and selective methods of analysis to meet new challenges. This Special Issue aims to cover the advances of such biomimetic sensing systems, by creating a collection of papers dealing with the use of multivariate data analysis methods, novel applications and strategies for multicomponent analysis using single sensors or sensor arrays and any other related biologically inspired sensing approach. Both research papers and review articles will be considered. We look forward to and welcome your participation in this Special Issue. Topics of interest include, but are not limited to, the following:

- New sensing and biosensing technologies for developing electronic nose and electronic tongue analysis systems;
- Applications in identification / quantification of compounds with sensor array principles;
- Use of novel data treatment approaches in electronic nose / electronic tongue methodology;
- Study of key issues on long-term usage of these systems: calibration transfer, correction of drifts, sensor replacement.

Guest Editors

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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.

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