



## Integrative Approaches for Food Sensory and Flavor Analysis

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### Message from the Guest Editors

Sensory and flavor characteristics plays a very important role in product evaluation. The electronic tongue together with the electronic nose emerged as precise and easy to use taste and aroma sensing devices for the sensory analysis of food matrices. These sensing devices may be portable allowing a fast and in-situ assessment of positive and negative gustatory and olfactory sensations, mimicking the performance of the trained sensory panels. The development and performance of fast and effective tools have benefited greatly from recent advances in key fields, such as chemometrics, digital electronic sensor design, material science, microcircuit design, software innovations, miniaturization techniques and electronic system integration This special edition is dedicated to the latest developments in the field of practical tools for evaluating the taste of food, including chemical sensor and biosensor application, innovative signal acquisition and data processing and industrial implementation.

### Keywords

- Electronic tongue
- Sensor/biosensor electrochemical devices
- Potentiometric devices
- Voltammetric devices
- Chemometric tools
- Food analysis
- Sensory analysis





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## Message from the Editor-in-Chief

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