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Chemosensors and Biosensors for Food Quality and Safety

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Deadline for manuscript submissions:
closed (31 January 2022)

Message from the Guest Editors

Monitoring of food safety and assessment of food quality is a challenging. Smart solutions for the analysis of food quality and safety are then needed. In this area chemical sensors and biosensors can play a key role to provide rapid information with advantages in terms of cost, sensitivity, analysis time, amount of sample needed, reagents required and waste produced for the analysis.

This Special Issue will be devoted to new chemo- and bio-sensing strategies for the detection food contaminants and quality markers.

The submission of new and alternative devices/approaches using electrochemical/optical sensing, affinity/catalytic biosensors, sensor arrays in liquid or gas phase, nanomaterial/nanocomposite sensors directed to the evaluation of food quality and safety are, then, strongly encouraged.

- Chemical sensors for food
- Biosensors for food
- Rapid detection of food quality and safety
- Sensors for process control
- Nanomaterial based sensors
- Microdevices
- Sensor arrays

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Message from the Editor-in-Chief

Chemosensors is an international, scientific, open access journal on the science and technology of chemical sensors published by MDPI. All articles are released on the internet immediately following acceptance. The journal publishes reviews, regular research papers, and communications. The scope of Chemosensors includes:

New chemical sensors design

Electrochemical devices, potentiometric sensor, redox electrode

Optical chemical sensors

Analytical methods

Environmental monitoring

Gas detectors

electronic nose, etc.

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