Special Issue

Innovative Technologies in Food Detection

Message from the Guest Editors

With the rapid development of economic globalization, food safety problems occur frequently, which poses a great threat to public health. At present, the traditional detection methods for food contaminants mainly use high-performance liquid chromatography, gas chromatography, liquid chromatography tandem mass spectrometry, enzyme-linked immunoassay, PCR, etc. Although these detection methods can obtain accurate detection results, the detection process is cumbersome and complicated, and it is difficult to achieve rapid detection in the field. Therefore, the food industry and consumers demand for innovative technologies to ensure the quality and safety of food in the supply chain. This Special Issue aims to call for the latest innovative sample preparation technologies and analytical techniques applied for the quality and safety analysis of food products. This Special Issue will collect publications on topics including (but not limited to):

- Solid-phase extraction techniques;
- QuEChERS methods;
- Optical nanosensors and Porous nanomaterials;
- Spectroscopic techniques;
- Electrochemical detection techniques.

Guest Editors

Dr. Kaiqiang Wang

College of Food Science and Engineering, Ocean University of China, Qingdao 266003, China

Dr. Weiwei Cheng

College of Food Science and Engineering, Nanjing University of Finance and Economics, Nanjing 210023, China

Deadline for manuscript submissions

closed (30 April 2023)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:
JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

MDPI