

## Special Issue

# Innovative Approaches for Food and Beverages Control: From Laboratory to Data Processing Tools

### Message from the Guest Editor

Today, considerable efforts are oriented toward developing new analytical tools for ensuring food quality control, either in terms of safety or authenticity.

Therefore, from innovative analytical methods to advanced data processing tools, research groups are actively involved in finding the most reliable approaches to provide effective solutions for the rapid, affordable, and accurate control of the goods present on the global market. Besides the acknowledged methods that are currently used for food and beverage control, new approaches such as metabolomics and AI-based omics have presented a step forward in the last few years.

Alongside these, the development of new types of sensors has been proven to have high applicability in this market. In the above context, this Special Issue aims to encompass innovative approaches dedicated to the development of new methods and technologies for food and beverage quality control.

---

### Guest Editor

Dr. Dana-Alina Magdas

National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania

---

### Deadline for manuscript submissions

closed (31 March 2024)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/161169](https://mdpi.com/si/161169)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls-ci@mdpi.com](mailto:appls-ci@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[appls-ci](https://appls-ci.mdpi.com)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://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 )