

Special Issue

Food Chemistry, Analysis and Innovative Production Technologies

Message from the Guest Editors

A balanced and nutritious diet plays a crucial role in maintaining health throughout life by providing our bodies with the necessary nutrients, energy and building blocks. It is important to understand the composition, structure and properties of food components, as well as the chemical changes that occur during food production, storage and consumption that can affect its quality, safety and nutritional value. The food of today, and even more so the food of the future, must not only be nutritious and safe, but also produced in a sustainable manner. Accurate and reliable analysis is critical for food quality control, regulatory compliance, and consumer safety. In addition, the adoption of innovative, sustainable, and resource-efficient food production practices can minimize the negative impact of food production on the environment while promoting biodiversity and conserving natural resources. The purpose of this Special Issue is to provide an overview of important research in the field of food chemistry, food analysis, and innovative technologies for food production.

Guest Editors

Dr. Olivera Galovic

Department of Chemistry, Josip Juraj Strossmayer University of Osijek,
Ulica cara Hadrijana 8a, 31000 Osijek, Croatia

Dr. Natalija Velić

Faculty of Food Technology Osijek, University of Osijek, F. Kuhača 20,
31000 Osijek, Croatia

Deadline for manuscript submissions

closed (25 July 2025)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/173499

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/

[applsci](https://doi.org/10.3390/applsci)





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)