

Special Issue

Authenticity and Quality of Edible Oils: Research Update

Message from the Guest Editors

Authenticity or food fraud and quality are two aspects that should be considered together when describing the integrity of edible oils. Both aspects are usually not health related, but the motivation for food fraud is to deceive the customer to maximize profit, while quality degradation usually happens unintentionally. At present, many standard methods are available to prove the quality of edible oils regarding sensory quality, oxidative state, or identity, but most of these methods consider the quality of oils one-dimensionally on the basis of individual quality parameters. This makes it easy for counterfeiters. A new emerging and promising approach seems to be combining (un-)targeted methods with multivariate statistical tools that track statistical differences between adulterated and authentic edible oils on the basis of several parameters instead of just one. We invite authors to submit original papers describing new and innovative analytical methods for the detection and assurance of the quality and authenticity of edible oils. This also includes the sensory evaluation. We also welcome review articles giving an overview.

Guest Editors

Dr. Bertrand Matthäus

Max Rubner-Institut, Department for Safety and Quality of Cereals,
Working Group for Lipid Research, Schützenberg 12, 32756 Detmold,
Germany

Dr. Ina Willenberg

Max Rubner-Institut, Department for Safety and Quality of Cereals,
Working Group for Lipid Research, Schützenberg 12, 32756 Detmold,
Germany

Deadline for manuscript submissions

closed (15 December 2021)



Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/82030

Foods

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

mdpi.com/journal/

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





Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science, Purdue University, West Lafayette, IN 47907, USA

2. Department of Comparative Pathobiology, Purdue University, West Lafayette, IN 47907, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, FSTA, AGRIS, PubAg, and other databases.

Journal Rank:

JCR - Q1 (Food Science and Technology) / CiteScore - Q1 (Health Professions (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).