

Special Issue

Application of Antibody and Immunoassay for Food Safety

Message from the Guest Editors

Immunoassays are a class of analytical techniques wherein the reaction is based on highly specific molecular recognition between antibodies and antigens. Immunoassay has played a prominent role in the rapid detection of various analytes in food. Immunoreagents for food analysis are continuously developing during the last three decades, with hapten design leading to the possibility of using antibodies against non-common low molecular weight antigens and quantitative structure–activity relationship investigations, and structure biology approaches assisting toward a better understanding of the molecular recognition of epitope and antibody. A wide range of immunoassays have emerged in endlessly. New technologies are promoting the development of immunoassays and their application in food safety. This Special Issue aims to collect manuscripts that enable increasing the recent progress and broadening the novel knowledge about antibody and immunoassay for the detection of chemical and biological analytes such as pathogen, food contaminant, food fraud, and so on in the food safety area.

Guest Editors

Prof. Dr. Hongtao Lei

Prof. Dr. Zhanhui Wang

Prof. Dr. Sergei A. Eremin

Deadline for manuscript submissions

closed (31 December 2021)



Foods

an Open Access Journal
by MDPI

Impact Factor 4.7
CiteScore 7.4
Indexed in PubMed



mdpi.com/si/87590

Foods

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 4.7
CiteScore 7.4
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, USA
2. Department of Comparative Pathobiology (Courtesy), Purdue University, West Lafayette, IN, 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 14.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2024).