

Special Issue

Technologies in Agricultural Product Quality Control and Traceability

Message from the Guest Editors

Ensuring the quality and authenticity of agricultural products is critical due to rising food fraud, mislabelling, and contamination. Authenticity certification benefits farmers economically and meets consumer demand for transparency in food production, processing, and distribution. Consumers increasingly care about food provenance, pushing for objective, science-based verification methods. Geographical traceability is key to verifying product origin, ensuring regulatory compliance, and protecting Geographical Indications. Advanced techniques like isotopic analysis, spectroscopy, spectrometry, and metabolomics are widely used to authenticate food and detect fraud. Additionally, blockchain, IoT, and smart labelling enhance supply chain transparency and build consumer trust. Despite progress, challenges remain. Developing rapid, cost-effective, and scalable technologies is essential for real-time monitoring and efficient food authentication systems.

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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.

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