

Special Issue

Advancements and Applications of Imaging and Hyperspectral Technologies in Non-Destructive Food Testing

Message from the Guest Editors

Non-destructive testing is critical for ensuring food safety, quality, and sustainability while minimizing waste and preserving product integrity. Imaging and hyperspectral technologies, such as hyperspectral imaging (HSI), multispectral imaging (MSI), and advanced image processing algorithms, have emerged as powerful tools for rapid, accurate, and contactless analysis of food properties. This Special Issue is dedicated to exploring the advancements and extensive applications of imaging and hyperspectral technologies within the realm of non-destructive food testing. Topics of interest include, but are not limited to, the following: food safety monitoring, quality grading, defect detection, authenticity verification, and process optimization. We invite contributions that highlight innovative methodologies, case studies, and future perspectives on utilizing imaging and hyperspectral data for precise, rapid, and non-invasive food analysis. This issue aims to provide a comprehensive platform for researchers and industry professionals to explore the potential of these technologies in ensuring food safety, enhancing sustainability, and advancing the global food supply chain.

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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.

Editor-in-Chief

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