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Recent Applications of Near-Infrared Spectroscopy in Food Analysis

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Deadline for manuscript submissions:
closed (16 December 2023)

Message from the Guest Editors

Near-infrared spectroscopy combined with chemometrics is proving to be such a technology that offers a green, non-destructive, rapid, and affordable solution for food quality and safety analysis; however, it needs to be further developed through research to realize its full potential.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- The application of near-infrared spectroscopy in agri-food disease identification;

- The application of near-infrared spectroscopy in agri-food toxin identification;

- The application of near-infrared spectroscopy in agri-food grading and quality monitoring;

- Novel data analysis and model development techniques using chemometrics and artificial intelligence for near-infrared spectra obtained from agri-food products;

- The application of near-infrared spectroscopy in smart farming;

- The integration of near-infrared spectroscopy with other optical imaging modalities for agri-food quality monitoring.



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Special Issue



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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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