Special Issue

Advanced Methods for Analysis and Detection of Pesticide Residues in Foods

Message from the Guest Editor

Pesticides are used throughout the world, and despite the growing popularity of organic farming they are still widely utilized in nations with pesticide regulations and monitoring programs. This Special Issue will focus on analyzing pesticide residues in food matrices by applying advanced analytical methodologies and contemporary analytical techniques based on chromatographic techniques combined with mass spectrometry. By using high-resolution mass spectrometry to undertake targeted, nontargeted, and unknown analyses, including the identification of metabolites or unanticipated pesticides, the scope of this analysis can be expanded beyond targeted pesticides. Studies involving the use of rapid screening tools such as sensors and biosensors will also be considered for publication in this Special Issue as they provide complementary features that can be very valuable for the detection of pesticide residues in different operational environments. To enable the detection of pesticides with a variety of physicochemical features, extraction procedures should be as generic as possible due to the complexity of food matrices and their compatibility with the analytical technique.

Guest Editor

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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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