Foods Quality Assessed by Chemometrics

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Deadline for manuscript submissions:
closed (31 January 2020)

Message from the Guest Editors

Food industry stakeholders are challenged to promote food quality meeting prerequisites encompassing sustainable and eco-green processing, increased shelf-life without safety, sensory satisfaction and nutritional value compromises. In addition, food fraud related to deliberate product mislabelling or economically intended adulteration, is of major concern for both industry and regulatory authorities due to cost and public health implications. In this context, chemometrics tools, such as optimisation designs, supervised and unsupervised exploratory analyses and multivariate regression modelling, are commonly implemented as part of food quality assessment.

In this Special Issue, we aim at publishing innovative papers on: Food authenticity and adulteration case studies, foodomics, mathematical modelling and optimisation of food industry relevant unit operations including bioprocessing and food waste valorisation, optimisation of food composition, nutritional value, storage stability and consumers' acceptability, and prediction of food shelf-life, adopting chemometrics assisted instrumental and sensory data analysis approaches.

mdpi.com/si/13795

Special Issue

foods

an Open Access Journal by MDPI

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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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