Special Issue

Recent Applications of ^{1}H NMR Relaxometry in Food Quality and Stability Assessment

Message from the Guest Editors

Interest is increasing in noninvasive, nondestructive and reliable techniques for assessing structure–quality and stability relationships in food. Food matrices can be described as complex, heterogeneous, multiphase and nonequilibrium systems, and investigating how microstructure is related to macroscopic features is of great importance for understanding their quality and stability, including during shelf-life. 1H NMR relaxometry techniques are able to describe molecular structural features and have been widely used to investigate food quality and stability, with both targeted and untargeted approaches. This Special Issue aims to collect recent and novel applications of 1H NMR relaxometry (1D and 2D time-domain NMR, and fast field cycling NMR), aiming to study proton molecular dynamics and mobility in relation to food quality and stability as well as the detection of fraud and adulteration with untargeted approaches.

Guest Editors

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Deadline for manuscript submissions

closed (15 December 2021)

Foods

an Open Access Journal by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed

mdpi.com/si/80246

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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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