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Milk and Dairy Products: Exploring Production, Processing, and Quality Control

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Message from the Guest Editors

This Special Issue provides a comprehensive overview of the dairy industry, spanning the initial stages of milk production to the final delivery of diverse secondary dairy products such as cheese and yogurt. It will focus on the processes involved in milk production, elucidating the physiological mechanisms of lactation in dairy animals and the application of technological advancements in farming practices that aim to optimize the yield and quality of milk. Will detail the scientific principles underlying techniques such as pasteurization, which aims to eliminate harmful pathogens while preserving the nutritional integrity of milk. Additionally, it explores the role of various non-thermal technologies such as high-pressure processing, ultrasound, microwave, and pulsed electric field in ensuring uniform safety while preserving or enhancing the functional and nutritional quality of milk and dairy products. Moreover, the importance of stringent quality control measures throughout the production and processing stages, in order to ensure that the safety and purity of dairy products are maintained, will be emphasized by addressing issues such as microbial contamination and adulteration.



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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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