

Special Issue

Mycotoxins in the Dairy Industry

Message from the Guest Editors

Mycotoxins are toxic compounds produced as secondary metabolites by certain groups of fungi during their development, which can produce several toxic effects in animals and humans. When dairy animals ingest these toxins, in addition to their toxic effects, their metabolites or unmetabolized compounds may be transferred to their milk. In particular, dairy cows may shed mycotoxins and their respective biotransformation products in milk and milk products, leading to an additional exposure route for dietary mycotoxins in humans. Thus, this Special Issue addresses the challenge of mycotoxin contamination in the dairy industry, and welcomes studies that: report mycotoxin occurrence data in milk and dairy products; perform toxicity studies in dairy animals exposed to dietary mycotoxins; clarify biotransformation patterns of mycotoxins in lactating animals and their potential contribution for human exposure through the consumption of dairy products; and describe new analytical methodologies to determine mycotoxins in dairy food matrices. Critical reviews on the impacts of mycotoxins on dairy production systems and regulatory issues are also welcome.

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Dairy (ISSN 2624-862X) is an international, peer-reviewed open access advanced forum for studies related to the advances in dairy science. It publishes reviews, regular research papers and short communications. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers. The full experimental details must be provided so that the results can be reproduced.

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