Special Issue

Environmental Sustainability of Dairy Animal Systems

Message from the Guest Editor

Public opinion around environmental issues related to livestock systems has been receiving increasing attention in recent years, with consumers becoming increasingly sensitive to the environmental sustainability of products of animal origin. The main environmental impacts attributable to the dairy sector, mainly associated with farming operations, concern the release of pollutants into water and air and the consumption of natural resources such as water and soil. One of the main, and most debated, impacts concerns the emissions of greenhouse gases (GHG) into the atmosphere. Methane (CH4) is the main greenhouse gas emitted from dairy farming as a consequence of rumen fermentation and manure management. Nitrous oxide, ammonia, and nitrates are nitrogen-based pollutants contributing to environmental issues. In the last decade, several studies have already highlighted solutions to mitigate these impacts; however, in the face of a growing demand for dairy products as a result of increased global population and changes in food habits, research is needed to further reduce environmental pressure and improve the sustainability of dairy systems.

Guest Editor

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Message from the Editor-in-Chief

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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