Special Issue

Nutrigenomics in Dairy Animals

Message from the Guest Editor

Nutrigenomics is a relatively new branch of research in dairy animals with great potential to address the challenges of improving the efficiency of milk production and animal health. Since the review published in 2015 (J Anim Sci. 2015 Dec;93(12):5531–53), several advances have been made, and more researchers have joined forces to advance this field of research. The affordability of large transcriptomic analysis, including analysis of non-coding RNA, has provided us with the opportunity to assess the nutrigenomic role of many feed compounds. Furthermore, novel molecular techniques, such as CRISPR-Cas9, are available that can help us to further study nutrient–gene interactions and how these interactions affect the milk production and health of dairy animals. The aim of this Special Issue is to capture advances in nutrigenomics in dairy animals, including the development of new methods (e.g., techniques, cell lines, or protocols) and studies performed in vitro, ex vivo, in vivo, or in silico to investigate nutrient–gene interactions in dairy animals.

Guest Editor

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Deadline for manuscript submissions

closed (15 March 2021)

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Editor-in-Chief

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