Feed Efficiency and Rumen Bacteria of Cattle

Guest Editor:

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Message from the Guest Editor

With global food security challenges, scientists and producers alike are charged with determining ways to feed almost 10 billion people worldwide by 2050. To address the challenge of increasing protein production to feed a growing population, researchers must find ways to select and maintain feed efficient cattle beyond the boundary of current approaches. The rumen microbiome converts low-quality feedstuffs into usable energy for ruminants and represents the greatest opportunity to optimize cattle nutrition and growth for meeting future global protein demands. The critical role of the rumen microbiome is reflected in its impact on important production phenotypes, such as variation in feed efficiency. Therefore, this Special Issue will publish original research papers or reviews concerning the rumen microbiomes of cattle (both dairy and beef) and their relationship to feed efficiency. The scope of this Special Issue is broad to include a variety of expertise and research interests associated with this topic.

Special Issue

Editor-in-Chief

Prof. Clive J. C. Phillips
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2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Australia

Message from the Editor-in-Chief

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