

Special Issue

Research Progress of Rumen Fermentation

Message from the Guest Editor

Ruminant nutrition is a constant challenge due to several factors, including climate change, which has interfered with the production of quality feed, and the large fluctuation in the price of raw materials used in ruminant feed, which has led nutritionists to seek additives and co-products to reduce costs and maintain productivity. Unlike non-ruminants, which have well-established diets, ruminants generally consume a wide variety of feeds, mainly related to the availability of the region or country. The main factor responsible for this adaptive issue to food is the rumen, a fermentation chamber that, through the action of microorganisms, sequences the digestion process of ruminants. Much research has currently explored animal nutrition as a way to mitigate methane emissions, with emphasis on additives that can modulate the microbiota, reducing, for example, the population of methanogenic bacteria. Understanding the potential of ruminal fermentation of additives, cereals, forages and co-products is necessary and will be the focus of this special edition.

Guest Editor

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Editor-in-Chief

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