

Special Issue

Application of Fermentation Technology in Animal Nutrition: 2nd Edition

Message from the Guest Editors

Fermentation technology in animal nutrition has been used beings for a long time. Its technology has been focused primarily on animal feed aspects. Harvested forages, putrefiable agro-industrial or food processing by-products, and the total mixed rations with these ingredients are often ensiled in order to make them palatable, stable, and sanitary over seasons. Additionally, another purpose was to improve the feed's nutritional values or safety of under-utilized feed resources with fermentation technology; otherwise, their usage as feed may be limited due to low digestion or potential toxicity.

Various types of additives have been developed to improve the quality of ferments and aerobic stability such as nutrients, microbes, enzymes, organic acids, and others. With these efforts, fermentation technology has been much developed and utilized in the animal industry. However, we still do not have a complete understanding of the most effective fermentation factors under various conditions, the mechanisms of fermentation products and metabolites' utilization inside the animal body, and its effect on ruminal fermentation, gastro-intestinal microflora and health, among others.

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Editor-in-Chief

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