

Special Issue

Sustainability in Silage Production

Message from the Guest Editors

Forage preservation through the ensiling process is the primary way to ensure animal feeding during drought and under intensive production systems in several countries worldwide. However, silage fermentation can produce varied amounts of volatile compounds and effluent. Moreover, greenhouse gas emissions from livestock can be affected by the quality of silage fed to animals. As the world's population is increasingly demanding sustainable production systems in diverse areas, this involves silage production because it compounds a significant part of many animal diets. Thus, research covering the different strategies of silage management (use of silage additives, silo covering, delay to ensiling, packing, silage removal from the silo, silage processing and feeding, and so on) has been conducted to reduce undesirable products from silage fermentation; the use of the ensiling process as a strategy that uses by-products for animal feeding is needed. Therefore, considering the current interest in sustainable systems of animal production, this Special Issue covers a wide variety of management strategies aiming to contribute to the overall knowledge of sustainable silage production.

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