## **Special Issue**

# Natural Antioxidants in Small Ruminant Nutrition: Revolutionizing Meat and Dairy Quality

## Message from the Guest Editors

The fortification of animal diets with natural antioxidants presents a promising avenue for enhancing the quality of animal-derived products, protecting them against oxidation and bacterial spoilage, and safeguarding consumer health against foodborne diseases. Natural bioactive compounds have the potential to ensure the safety and quality of animal products by serving as biopreservatives against the deterioration caused by oxidation, spoilage bacteria, and foodborne pathogens. As a result, natural bioactive compounds are being increasingly studied and consistently evaluated in smallruminant production systems to promote animal health and welfare status, as well as improve milk and meat quality, extend their shelf life, and increase their market value, aligning with the principles of sustainable production, the green economy, and environmental protection. Dietary supplementation with natural antioxidants has, therefore, emerged as an effective strategy to enhance milk and meat quality and safety, as bioactive compounds tend to accumulate where they are most needed.

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### Deadline for manuscript submissions

31 December 2025



an Open Access Journal by MDPI

Impact Factor 2.7 CiteScore 5.2 Indexed in PubMed



mdpi.com/si/235713

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Animals is an on-line open access journal that was first published in 2011. Animals adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. Animals is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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