

Special Issue

Integrating Innovation and Sustainability in Livestock Feeding: Impacts on Carcass Traits and Meat Quality

Message from the Guest Editors

In recent years, the livestock sector has faced mounting challenges in reconciling high productivity with environmental sustainability and animal welfare. Against this backdrop, animal nutrition has emerged as a key driver of innovation, providing strategies to enhance feed efficiency, optimize resource utilization, and positively impact carcass characteristics and meat quality. This Special Issue focuses on the role of sustainable feeding practices in shaping production efficiency and the quality of animal-derived products. The use of alternative feed ingredients, functional additives, and precision nutrition approaches has shown promising results in enhancing animal performance and reducing fat deposition, improving tenderness and refining carcass composition. We welcome studies that address novel feed ingredients, dietary formulations, functional additives, precision feeding technologies and the physiological mechanisms that underlie the effects of nutrition on meat production.

Guest Editors

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Prof. Dr. Alfredo Jorge Costa Teixeira

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Message from the Editor-in-Chief

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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