

Special Issue

Sustainable Production Strategies for Meat and Meat Products: Technological Innovation, Animal Welfare, and Environmental Impact Reduction

Message from the Guest Editors

Meat and meat products play a crucial role in global food security by providing high-biological-value protein. However, increasing demand has raised environmental, social, and economic concerns, prompting the development of more sustainable and cost-efficient production systems. Recent advancements include the use of feed additives to reduce enteric fermentation, modulation of fatty acid profiles, environmental monitoring of production chains, development of cultivated and plant-based meats, and the incorporation of natural antioxidants and dietary fibers from agro-industrial waste. These approaches aim to minimize environmental impact, enhance nutritional value, and extend shelf life without compromising quality. This Special Issue invites original research, reviews, case studies, and short communications focused on sustainable meat production. Topics of interest include animal performance and meat quality, natural antioxidants, evaluation methodologies, nutritional strategies, processing technologies, and plant-based alternatives. Contributions from all related disciplines are welcome.

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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