

Special Issue

Latest Technologies to Improve Nutritional and Sensory Quality of Meat Products Derived from Livestock

Message from the Guest Editor

The rapid development of food processing technologies, biotechnology, precision agriculture, and intelligent production systems creates new opportunities to optimize the composition and functional properties of raw materials. Innovative approaches, including advanced breeding techniques, modifications in animal nutrition, pharmaceutical and fermentation technologies, biofortification, and innovative raw material processing methods, have a significant impact on improving the nutritional value, taste, texture, aroma, and overall consumer acceptance of animal-based products. This Special Issue will present new methods such as feed biomodulation to enhance the nutritional value of animal products, sustainable use of agricultural by-products to create foods enriched with bioactive compounds, and the use of digital tools and sensory technologies to monitor quality at every stage of the production chain. Additionally, this Special Issue will highlight how next-generation technologies can support healthier diets, increase the nutritional and sensory value of meat products, and promote sustainable development throughout the entire farm-to-table system.

Guest Editor

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Message from the Editor-in-Chief

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