Special Issue

The Regulation and Mechanism of Nutrition on the Formation of Meat Quality

Message from the Guest Editor

Dietary nutrients are key factors that affect the meat quality in livestock and poultry. How do these nutrients regulate the meat quality, though, and what are the underlying mechanisms? To produce high-quality meat, it is necessary to understand the formation process of meat quality traits and the factors that control them. A greater understanding of the underlying mechanisms of nutritional regulation on meat quality will lead to novel strategies to improve livestock and poultry meat product quality.

Therefore, this Special Issue invites studies (original research papers or reviews) on the current state of knowledge of the subject. Specifically, this Special Issue should include, but is not limited to, the latest advances in the molecular mechanisms of dietary nutrients (nutrition level and diet composition, prebiotics and probiotics, gut microbiota, bioactive compounds, etc.) in regulating meat-quality-related traits, including lipid deposition, muscle biology, metabolism (lipid metabolism, glycometabolism, inflammation, immunologic function, etc). We look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

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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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