

## Special Issue

# Animal Breeds and Muscle Growth Potential: Opportunities for Sustainable Farming

### Message from the Guest Editors

Understanding myogenesis and the muscle growth potential of various animal breeds is of major importance for implementing sustainable farming practices. Different livestock breeds show significant variability in their muscle growth rates and adaptation to farming conditions. Some breeds have higher muscle growth, but need high-quality feed and veterinary care, while causing negative effects on the environment. In contrast, autochthonous breeds are resilient to regional diseases, reducing the need for antibiotics and other interventions. More focus should be placed on breeds that present high muscle growth potential and that, at the same time, show high adaptability to their environment. Therefore, the aim of this Special Issue is focused on original research articles or reviews that investigate the mechanisms of muscle growth in different animal breeds and their relationships with the surrounding environment. Areas of interest include the effects of the animal breed on muscle growth potential and meat quality and its structure. We invite you to share your recent findings in this Special Issue and we look forward to receiving your contributions.

### Guest Editors

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### Deadline for manuscript submissions

31 December 2025



## Animals

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## About the Journal

### 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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### Editor-in-Chief

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