

Special Issue

Nutrition, Physiology and Metabolism of Companion Animals

Message from the Guest Editors

This Special Issue explores the intricate relationship between diet, metabolic processes, and overall health in companion animals, particularly dogs and cats. It aims to provide a comprehensive understanding of how nutritional interventions can influence the physiological functions and metabolic pathways in pets, thereby enhancing their well-being. The issue includes studies on the role of specific nutrients, dietary patterns, and metabolic regulation in managing chronic diseases, such as cancer in pets, which has become a significant concern in veterinary medicine. Additionally, the issue will address the involvement of the microbiota in the nutritional health of companion animals, exploring how gut microbiota composition may influence metabolic processes and disease susceptibility. The Special Issue covers a broad spectrum of topics, including the impact of dietary components on immune function, antioxidant defenses, and tumor progression. Ultimately, this issue seeks to advance the understanding of how proper nutrition can serve as a therapeutic tool in managing diseases and improving the quality of life in companion animals.

Guest Editors

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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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