

Special Issue

Nutraceuticals to Mitigate the Secret Killers in Animals

Message from the Guest Editors

Animal production relies heavily on intestinal health and functioning to maximize nutrient uptake and growth, which in turn is associated with animal performance. The tractable strategies targeting the regulation of intestinal microbiota can control several diseases that are closely related to inflammatory and metabolic disorders. Additionally, secret killers in animal such as dysbiosis, leaky gut, heat stress, mycotoxins, endotoxins, and dietary factors (oxidized diet) cause chronic stress that is usually associated with oxidative stress and inflammatory damage in animal. Both oxidative stress and inflammation are multistage processes, and it is possible that the immune system is somehow involved, which impairs animal performance.

This Special Issue will highlight the most recent advances in in vitro and in vivo applications of nutraceuticals such as phytochemical substances, prebiotics, and probiotics to mitigate the secret killers in animal. Additionally, we expect that this Special Issue will explore the mechanism of action as well as the challenges and prospects of nutraceutical applications.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Veterinary Sciences (ISSN 2306-7381) is an international and interdisciplinary scholarly open access journal that aims at publishing research in all fields of veterinary medicine in a democratic way. We encourage scientists to publish their original research articles, reviews, communications, and short notes in as much detail as possible. Articles submitted that involve subjecting animals to unnecessary pain or suffering will not be accepted, and all articles must be submitted with the necessary ethical approval (please refer to the Ethical Guidelines for more information).

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