



Nutraceuticals to Mitigate the Secret Killers in Animals

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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 phytogetic 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.





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Message from the Editor-in-Chief

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