



Targeting Inflammation in Animals with Natural Bioactives

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Message from the Guest Editor

The nutritional deficit and decline in productivity associated with inflammation cannot be compensated by increasing the supply of nutrients to the affected animal. This hurdle, coupled with a global trend to “demedicate” animal production, has fueled research aiming to protect farm animals against such a nutrient-draining response. This Special Issue seeks submissions regarding “natural” opportunities for targeting inflammation both directly (therapeutic approach) or indirectly (prevention approach) with bioactive compounds derived from plants, algae, or beneficial microbes. Therefore, the scope of this call includes research on plant and algal compounds, prebiotics, probiotics, and nutritional interventions acting upon the metabolic response of gut microbiota (e.g., microbial metabolome). Submissions on biomarkers of inflammation suitable for monitoring and/or assessing the use of such natural strategies at the farm levels are also encouraged





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Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciples are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

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