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## Animal Health: A Biochemical Approach

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submissions:

**closed (30 June 2022)**

### Message from the Guest Editors

The use of animal meal is banned in the feeding of cattle, pigs, and poultry, thus soy is the best source of vegetable protein, but is genetically modified (GM). Due to the increasing emphasis on eliminating GMO ingredients from feed, alternative protein ingredients and additives are sought. It is difficult to completely replace GM soy through e.g. legumes, alfalfa, oilseed meal and others due to the presence of antinutritional substances. Recent studies have aimed to treat meal from protein crops to reduce the content of crude fibre and other antinutritional substances, and increase the amount of available essential amino acids and other biologically active substances. The fermentation improves the utility of protein ingredients. Its products stimulate the development of beneficial intestinal microbiota; improve nutrient absorption; exert a positive effect on other systems; stimulate immune processes resulting in better production results.

Therefore, it would be interesting to investigate whether feed components derived from GMO crops could be replaced with other protein ingredients without adversely affecting animal health and production.



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**Special Issue**



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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: 3.0 (2022, ranks 12 /62 (Q1) in ‘Agriculture, Dairy & Animal Science’; 13/143 (Q1) in ‘Veterinary Sciences’), 5-Year Impact Factor: 3.2.

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