



## Animal Health: A Biochemical Approach

Guest Editors:

**Prof. Dr. Anna Czech**

Department of Biochemistry and  
Toxicology, University of Life  
Sciences in Lublin, Lublin, Poland

**Prof. Dr. Ewa Tomaszewska**

Department of Animal  
Physiology, University of Life  
Sciences in Lublin, 20-950 Lublin,  
Poland

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### 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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### Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine  
and Animal Sciences, Estonian  
University of Life Sciences,  
Kreutzwaldi 1, 51014 Tartu,  
Estonia

2. Curtin University Sustainability  
Policy (CUSP) Institute, Kent St.,  
Bentley 6102, Australia

## Message from the Editor-in-Chief

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*Animals* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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