

## Special Issue

# The Role of Natural Polysaccharides in Livestock and Poultry Production

### Message from the Guest Editor

This Special Issue invites contributions on the roles of various natural polysaccharides—such as dietary fibers, plant-derived polysaccharides, seaweed polysaccharides, and microbial polysaccharides—as functional feed additives. The submission of original research papers and review articles that provide deep insights into the underlying physiological and molecular mechanisms by which natural polysaccharides influence animal health, production performance, and product quality is encouraged.

Potential topics include, but are not limited to, the following:

Effects of natural polysaccharides on improving growth performance, gut health, immune status, and stress resilience in livestock and poultry.

Roles of natural polysaccharides in enhancing the quality and safety of meat, eggs, and milk.

Elucidation of the mechanisms of action of natural polysaccharides using multi-omics technologies and molecular biology approaches.

Exploration of novel polysaccharide resources, efficient preparation strategies, and efficacy-enhancing methods.

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### Guest Editor

Prof. Dr. Jie Yin

College of Animal Science and Technology, Hunan Agricultural University, Changsha, China

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### Deadline for manuscript submissions

31 August 2026



## Animals

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**Impact Factor 2.7**  
**CiteScore 5.2**  
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## About the Journal

### 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: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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### Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

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2. Former Foundation Professor of Animal Welfare, University of  
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