



A Paradigm Shift—Precision Poultry Nutrition and Alternative Poultry Feed Ingredients Using Novel Feed Processing Methods

Guest Editor:

Dr. Ondulla T. Toomer

USDA Agricultural Research
Service, Washington, DC, USA

Deadline for manuscript
submissions:

closed (15 March 2024)

Message from the Guest Editor

Dear Colleagues,

Feed thermo-mechanical processing mechanisms have routinely been utilized as a means to optimize the nutrient utilization of feed components. A plethora of studies have been conducted to better define optimal feed processing methods which alter the nutritive value and quality of the animal feed components. Moreover, other studies have aimed to discuss the economic value of feed processing with increased nutrient digestibility and production performance within poultry meat and egg production to offset the additional cost of feed processing.

Feed costs account for approximately 65–75% of poultry meat and egg production. Hence, numerous studies have examined the use of more affordable alternative feed ingredients. Hence, in this Special Issue, we aim to examine the range of possible alternative poultry feed ingredients and the processing methodologies utilized to enhance their nutritive value as a feedstock ration. We also invite our colleagues and subject matter experts to share their research, expertise, and opinions so that we might discover novel feed processing methods and further discuss poultry feed technology and poultry nutrient utilization.





an Open Access Journal by MDPI

Editor-in-Chief

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PubAg, AGRIS, Animal Science Database, CAB Abstracts, and other databases.

Journal Rank: JCR - Q1 (Veterinary Sciences) / CiteScore - Q1 (General Veterinary)

Contact Us

Animals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/animals
animals@mdpi.com
[X@Animals_MDPI](https://twitter.com/Animals_MDPI)