

Special Issue

Machine Learning Methods and Statistics in Ruminant Farming

Message from the Guest Editors

In recent years, the process of acquiring large amounts of data has intensified in ruminant farming and especially in cattle breeding. Various types of sensors monitoring the animal and its environment on an online basis provide thousands of measurements, the management of which often becomes a problem. On the one hand, reducing rich information to numbers only makes us lose sight of the animals. On the other hand, it is impossible to imagine the functioning of animal breeding without statistical analysis. The accumulation of large datasets forces the development of new techniques for their analysis. Sometimes conventional statistics is not enough, and it is necessary to use artificial intelligence. We are pleased to invite you to share with this Special Issue of *Animals* your achievements, discoveries, and thoughts in which an important role is played by the processing and analysis of large datasets and the inference from the obtained results. These do not need to be groundbreaking discoveries, since even attempts to explain an issue related to the subject can carry important clues for other researchers.

Guest Editors

Dr. Daniel Zaborski

Laboratory of Biostatistics, Bioinformatics and Animal Research, West Pomeranian University of Technology, Klemensa Janickiego 29, 71-270 Szczecin, Poland

Prof. Dr. Wilhelm Grzesiak

Laboratory of Biostatistics, Bioinformatics and Animal Research, West Pomeranian University of Technology, Klemensa Janickiego 29, 71-270 Szczecin, Poland

Deadline for manuscript submissions

28 February 2026



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/238787

Animals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
animals@mdpi.com

[mdpi.com/journal/
animals](https://mdpi.com/journal/animals)





Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



[mdpi.com/journal/
animals](https://mdpi.com/journal/animals)



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.

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

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)