

Special Issue

Use of Longitudinal Information, Imaging, and Sensor Data in Genetic Evaluation

Message from the Guest Editors

This special issue of *Animals* – *Use of longitudinal information, imaging, and sensor data in genetic evaluation* – intends to bring the public's attention to complementary and innovative approaches to genetic and genomic selection, using novel data available in livestock production. Nowadays, most livestock breeding programs routinely incorporate genomic data for predicting the genetic merit of individual animals for a wide range of traits. With the current availability of a wide variety of omics data, environmental descriptors, and novel phenotypes generated by precision farming technologies, there is currently a continuous effort to develop methods to integrate such information in genetic and genomic evaluation. Moreover, a large amount of historical data has been accumulated in many livestock production systems, enabling the comprehensive study of longitudinal patterns, and their association to a series of effects.

Dr. Luiz F. Brito

Guest Editors

Dr. Beatriz C.D. Cuyabano

Dr. Luiz F. Brito

Dr. Gabriel Rovere

Deadline for manuscript submissions

closed (31 December 2022)



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/117844

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. Curtin University Sustainable Policy (CUSP) Institute, Curtin University, Kent St., Bentley, WA 6102, Australia

2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Brisbane, 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)