

Special Issue

Mathematical Modeling and Computer Vision in Animal Activity or Behavior

Message from the Guest Editors

Good care is key for good productivity, health, and welfare, and thus, for an economically viable business. Economies of scale in production companies are inevitable, but these must be applied in an ecologically sound and sustainable manner. Precision livestock and poultry farming guarantee farmers the tools and procedures that will enable more efficient production, while simultaneously taking care of animal health and welfare. We have witnessed technical developments in the fields of animal monitoring, and health and welfare assessment. Unfortunately, the tools available to farmers are still limited, with many issues and challenges unsolved or not fully addressed due to their complex application in livestock and poultry farming. We are pleased to invite original research papers or reviews that explore or discuss animal monitoring by using computer vision or voice recognition, animal health and welfare assessment, and modeling and predicting anomalous behaviors, among others.

Guest Editors

Prof. Dr. Yueju Xue

Dr. Haiming Gan

Dr. Aqing Yang

Deadline for manuscript submissions

closed (29 February 2024)



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/168745

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)