

## Special Issue

# Saliva and Blood Markers in Animal Welfare and Health Monitoring

### Message from the Guest Editors

The use of saliva as a biological fluid for determining animal welfare and health status by identifying and quantifying biomarkers has achieved significant interest in the last few decades, since it allows sampling according to the welfare standards to be carried out by minimally invasive procedures, unlike blood. Therefore, this biological fluid is very useful for monitoring disease processes and evaluating stressful status or positive situations over time. We are pleased to invite you to submit original studies to this new Special Issue of *Animals*, which aims to increase the knowledge in animal welfare science by investigating biomarkers in saliva and/or blood that could monitor disease conditions, stressful or positive situations, physical efforts, or any interaction that evaluates any welfare status in animals (veterinarian, zoological or wildlife species). In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: internal medicine, neurophysiology, animal behavioural sciences or animal sport science. We look forward to receiving your contributions.

### Guest Editors

Dr. María Dolores Contreras-Aguilar

Interdisciplinary Laboratory of Clinical Analysis of the University of Murcia (Interlab-UMU), Department of Animal Medicine & Surgery, Veterinary School, Campus Mare Nostrum, University of Murcia, 30100 Murcia, Spain

Dr. Maria Martín-Cuervo

Medicine Animal, Faculty of Veterinary Medicine of Cáceres, University of Extremadura, Avenida de la Universidad S-N, 10002 Cáceres, Spain

### Deadline for manuscript submissions

10 February 2025



## Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 4.9  
Indexed in PubMed



[mdpi.com/si/188947](https://mdpi.com/si/188947)

*Animals*

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[animals@mdpi.com](mailto:animals@mdpi.com)

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





# Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 4.9  
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 (2023, ranks 10/80 (Q1) in 'Agriculture, Dairy & Animal Science'; 16/167 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.0.

---

### 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)