

## Special Issue

# Use of Saliva in Animal Physiology

### Message from the Guest Editors

In recent decades, there has been significant interest in using saliva as a biological fluid for determining different physiological states in animals by identifying and quantifying the biomarkers within it. Saliva can be obtained using minimally invasive procedures according to actual welfare standards, unlike blood. Some biomarkers in the blood can be identified in saliva, and they have similar patterns of change at different physiological conditions. Additionally, other biomarkers can be evaluated differently in saliva compared to in the blood, and some can only be observed in saliva.

Therefore, measuring salivary biomarkers can provide invaluable information for explaining or understanding the different physiological changes in animals under varying conditions.

I invite you to submit studies to this new Special Issue of *Animals*, which aims to increase knowledge in animal physiology mechanisms by showcasing studies investigating salivary biomarkers that can monitor different physiological conditions. These include healthy status, diseases states, welfare compromise, endocrine probes, metabolic states, and exercise physiology, among others.

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### Guest Editors

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### Deadline for manuscript submissions

30 April 2026



## Animals

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## 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.

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