

Special Issue

Chronophysiology and Body Temperature Homeostasis in Domestic Animals

Message from the Guest Editors

Chronophysiology is a key subject in the field of animal science that examines the temporal processes of living organisms. In particular, chronophysiology, through certain signals, regulates many physiological processes in domestic animals, such as body temperature, through the suprachiasmatic nucleus of the hypothalamus. The homeostatic regulation of body temperature is a fundamental physiological process that ensures health assessment in domestic animals. The biological daily rhythm of body temperature in domestic animals is established from the earliest hours of life, but it can be influenced by some external factors such as more or less intense exercise, management conditions, stress, and diet. It is therefore proposed to further study the circadian rhythmicity of body temperature in domestic animals and what it can be influenced by, particularly using increasingly innovative methods such as infrared thermography.

Guest Editors

Prof. Dr. Claudia Giannetto

Department of Veterinary Sciences, University of Messina, Via Palatucci 13, 98168 Messina, Italy

Dr. Francesca Aragona

Department of Veterinary Sciences, University of Messina, Via Palatucci 13, 98168 Messina, Italy

Deadline for manuscript submissions

31 December 2025



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/228575

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)