



animals



an Open Access Journal by MDPI

Animal–Computer Interaction: New Horizons in Animal Welfare

Guest Editors:

Prof. Dr. Clara Mancini

Animal–Computer Interaction
(ACI) Laboratory, School of
Computing and
Communications, STEM Faculty,
The Open University, Milton
Keynes MK7 6AA, UK

Dr. Jake Veasey

Care for the Rare, School of
Animal, Rural and Environmental
Sciences, Nottingham Trent
University, Southwell,
Nottingham, UK

Deadline for manuscript
submissions:

30 September 2024

Message from the Guest Editors

Dear Colleagues,

Improving animal welfare through animal-centered technologies, designed from the perspective and for the benefit of animals, is a fundamental aim for the field of animal–computer interaction. Particularly with the rise of technologies such as artificial intelligence and the internet of things, technological interventions have the potential to radically transform welfare provisioning by: monitoring and processing objectively behavioural and physiological data to improve our understanding of the immediate and long-term psychological and physical needs of animals; providing dynamic settings and opportunities for animals to fulfill their species-specific behavioral and cognitive needs, as well as biologically appropriate levels of control over their environment and activities.

For this Special Issue, we invite contributions that exemplify how an animal-centered perspective on the design of computing technologies may inform novel approaches for improving the welfare of animals in different contexts. We also invite contributions that discuss what limitations such approaches might suffer from, what risks they might pose and how these might be addressed.



mdpi.com/si/174045

Special Issue



an Open Access Journal by MDPI

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

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: 3.0 (2022, ranks 12 /62 (Q1) in ‘Agriculture, Dairy & Animal Science’; 13/143 (Q1) in ‘Veterinary Sciences’), 5-Year Impact Factor: 3.2.

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*)

Contact Us

Animals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/animals
animals@mdpi.com
[X@Animals_MDPI](https://twitter.com/Animals_MDPI)