

Special Issue

Animal–Computer Interaction: New Horizons in Animal Welfare

Message from the Guest Editors

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.

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

closed (25 September 2025)



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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
animals@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Curtin University Sustainable Policy (CUSP) Institute, Curtin University, Kent St., Bentley, Western Australia 6102, Australia
2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Brisbane, Australia

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