

Special Issue

Deep Learning and Animal Welfare

Message from the Guest Editors

Animal Welfare and Deep Learning is a new interdisciplinary area of research in which modern methods from the field of artificial intelligence are used to create new opportunities for scientifically assessing and evaluating animal welfare. The acquisition and evaluation of large data sets from animal physiology, animal behavior, or clinical data can be significantly facilitated and improved with these new methods. This opens up completely new possibilities for all areas where animals are used, including farm animals, wild animals, pets, and experimental animals. However, it is of great importance to pay attention to the validity and transparency of these methods, and to point out possible limitations. Furthermore, the explanatory power of the methods towards society must be considered in order to achieve acceptance. For this purpose, ethical reflection is indispensable. This Special Issue is interested in all areas in which this interdisciplinary work takes place in the context of animal welfare. Both reviews and original research papers are welcome.

Guest Editors

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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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