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## Artificial Intelligence (AI) Applied to Animal Health and Welfare

Guest Editor:

**Dr. Pablo Valdes-Donoso**

Faculty of Veterinary Medicine,  
Department of Clinical Sciences,  
University of Montreal, Saint-  
Hyacinthe, QC, Canada

Deadline for manuscript  
submissions:

**closed (30 June 2023)**

### Message from the Guest Editor

Dear Colleagues,

In animal sciences, AI incipient studies move forward in several areas. For example, the relationships between real-time sensor data and production coupled with animal health and welfare status are at the heart of current research on precision livestock farming. The elaboration of machine learning and deep learning models that could predict diseases, detect abnormal images, or identify disease-related sounds are part of current investigations that aim to support animal and public health professionals.

The aim of this Special Issue is to present recent research that fills gaps of current literature on how AI may improve animal health and welfare. Further, manuscripts that use novel machine learning approaches to address control strategies and impacts of animal diseases, as well as those that shed light on the intersection between AI and One Health, are welcome in this issue.

Keywords: artificial intelligence; machine learning; animal big data; animal health; animal welfare; veterinary sciences; animal disease prediction; image interpretation; disease-related sounds; one health



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# Special Issue



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### Prof. Dr. Clive J. C. Phillips

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University, Kent St., Bentley, WA  
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: 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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*Animals* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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