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## Information Technology Applied to Animal Management

Guest Editors:

**Prof. Dr. Irenilza de Alencar Nääs**

Graduate Program in Production Engineering, Universidade Paulista, 1212 Dr. Bacelar Street, São Paulo 04026-002, Brazil

**Prof. Tami Brown-Brandl**

Biological Systems Engineering, University of Nebraska - Lincoln, Lincoln, NE, USA

Deadline for manuscript submissions:

**closed (31 July 2020)**

### Message from the Guest Editors

Dear Colleagues,

Recent technological developments have ensured that large data sets can be registered on movement, as well as social interactions, vocalizations, and physiological responses of individual or grouped animals. Such advancements allow for different ways of interpreting data and the use of non-classic logic to reduce uncertainties, besides presenting solutions for real-time recording and decision-making. The idea of the present Special Issue is to encourage progress towards the use of information technology in the animal management of farm and wild animals. The objectives are the development and application of smart sensors in livestock production, pets, or wild animals; the use of automation in animal management and monitoring; the use of simulation, optimization, and modelling in animal production and wild animals; decision support systems applied to livestock farming; computer vision and image processing; precision animal production; the use of the internet of things (IoT) and cloud computing in animal monitoring; development and applications of artificial intelligence (AI) in livestock management; and the use of data mining in animal production and management.



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# Special Issue



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1. Institute of Veterinary Medicine  
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University of Life Sciences,  
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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.

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

Tel: +41 61 683 77 34  
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