

## Special Issue

# Artificial Intelligence Tools to Optimize Livestock Production

### Message from the Guest Editors

Artificial intelligence (AI) in agriculture aims to bring the revolution of robotics and automation to animal protein production and supply chains. The idea is to relieve human labor under tedious and monotonous conditions and to solve the problem of finding cost-effective methods to provide the world a sustainable solution for future food security. There is high pressure on livestock production to mechanize further actions on-farm, and there is resistance to performing the physically challenging labor. In stark contrast, yields (meat, milk, and eggs) must keep increasing to feed the world population. We believe AI is the decisive answer to this food production and supply chain matter. In this special issue, we hope to bring together articles exploring the frontline of AI application in animal production systems and supply chains, both in field and laboratory conditions, also expanding the current knowledge about animal welfare.

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### Guest Editors

Prof. Dr. Danilo Florentino Pereira

Prof. Dr. Irenilza de Alencar Nääs

Dr. Saman Abdanan Mehdizadeh

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### Deadline for manuscript submissions

closed (30 October 2023)



## Animals

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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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### Editor-in-Chief

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