

Special Issue

Real-Time Sensors and Their Applications in Smart Animal Agriculture

Message from the Guest Editor

The integration of real-time sensors into animal agriculture is revolutionizing livestock management and improving productivity, animal welfare, and environmental sustainability. Advanced sensor technologies, such as wearable devices, smart cameras, and environmental sensors, allow for continuous monitoring of animal behavior, health, and well-being. By providing real-time data on vital signs, movement patterns, feeding behavior, and environmental conditions, sensors enable farmers to make informed and timely management decisions. This Special Issue will explore the development, application, and impact of real-time sensor technologies in smart animal agriculture. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: the use of sensors for health monitoring, behavior tracking, precision feeding, and environmental control. Additionally, we encourage studies that address the challenges and opportunities of integrating sensor data with AI and machine learning systems to enhance decision-making processes. I look forward to receiving your contributions.

Guest Editor

Dr. Isabella C. F. S. Condotta

Department of Animal Sciences, University of Illinois at Urbana-Champaign, Urbana, IL 61801, USA

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

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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. Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences, Kreutzwaldi 1, 51014 Tartu, Estonia
2. Curtin University Sustainability Policy (CUSP) Institute, Kent St., Bentley 6102, Australia

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