

## Special Issue

# Advancements in Robotics and Automation for Precision Livestock and Poultry Farming: Prospects and Innovations

### Message from the Guest Editor

Livestock and poultry farming is facing great challenges such as reduced labor, increased labor costs, and increasing public expectations of welfare-friendly products. Robotics and automation have been progressively developed and adopted into animal farming to support precision management, productivity improvement, welfare assessment, behavior monitoring, digital phenotyping, and early intervention. Consequently, automated solutions provide effective means of improving production efficiency and enhancing animal welfare, as well as increasing the sustainability of animal systems. The aim of this Special Issue is to invite scholars to solve critical problems in different phases of vertically integrated animal production systems via innovative solutions of robotics and automation. Both original research articles and review papers are welcome.

### Guest Editor

Dr. Guoming Li

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### Deadline for manuscript submissions

30 October 2026



## Animals

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Impact Factor 3.2  
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## About the Journal

### Message from the Editor-in-Chief

*Animals* is an international, peer-reviewed, open-access journal established in 2011 and published semimonthly online by MDPI. The journal is dedicated to high-quality research across a broad range of animal-related disciplines, including zoology and veterinary sciences, and upholds rigorous peer-review and editorial standards to ensure the publication of impactful work. Indexed in the Science Citation Index Expanded (SCIE) within Web of Science, *Animals* has a 2025 Impact Factor of 3.2 (ranks 13/87 (Q1) in 'Agriculture, Dairy & Animal Science'; 15/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.5.

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### Editor-in-Chief

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2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Brisbane, Australia

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