

## Special Issue

# Precision Poultry Farming: Environmental Automation for Sustainable and Efficient Production

### Message from the Guest Editors

Advances in precision livestock farming have driven significant changes in poultry production systems, particularly through environmental automation and real-time monitoring. Technologies based on sensors, artificial intelligence, the Internet of Things (IoT), and automated environmental control systems have enabled more precise adjustments of thermal conditions, air quality, lighting, and management practices, resulting in improvements in animal welfare, productive performance, and system sustainability. This Special Issue aims to bring together original research articles and reviews addressing the development, application, and impacts of environmental automation in modern poultry production. Priority will be given to studies exploring innovative technological solutions, integration of environmental and zootechnical data, data-driven decision making, energy efficiency, reduction of environmental impacts, and implications for poultry welfare and health. We expect this Special Issue to contribute to scientific and technological advances in precision poultry farming, strengthening the interface between animal science, engineering, and data science.

### Guest Editors

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### Deadline for manuscript submissions

30 September 2026



## Poultry

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## About the Journal

### Message from the Editor-in-Chief

*Poultry* is a newly established, online, open access journal that aims to publish high-quality research on topics in various areas of poultry production and health. This research should reflect the eminent and increasing importance of all poultry species reared for human nutrition. *Poultry* adheres to rigorous peer-review and editorial processes. Containing specialists from different areas in this field of research, the Editorial Board enthusiastically works to safeguard the quality of the review process and your contribution. A dedicated support team from the publisher is available, when required, to offer help and support for specific requests. Equipped with such a wide breadth of knowledge and expertise, *Poultry* should be the landmark for research on poultry science.

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### Editor-in-Chief

Prof. Dr. Michael Hess  
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### Author Benefits

#### High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO, and other databases.

#### Journal Rank:

JCR - Q2 (Agriculture, Dairy and Animal Science) /  
CiteScore - Q2 (Veterinary (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 22.1 days after submission; acceptance to publication is undertaken in 8.6 days (median values for papers published in this journal in the second half of 2025).