



## Recent Advances in Livestock Production and Animal Welfare

Guest Editors:

**Prof. Dr. Dejan Škorjanc**

Faculty of Agriculture and Life  
Sciences, University of Maribor,  
2311 Hoče, Slovenia

**Dr. Manja Zupan Šemrov**

Department of Animal Science,  
Biotechnical Faculty, University  
of Ljubljana, Domžale 1230,  
Slovenia

Deadline for manuscript  
submissions:

**closed (31 October 2021)**

### Message from the Guest Editors

Dear Colleagues,

Animal welfare is currently considered of high importance by consumers and the general public. What people argue the most strongly is that the way in which humans treat animals is unethical and immoral. Scientists agree that an optimal interaction between animals and stockpersons not only leads to reducing stress and fearfulness in farm animals, but also increases productivity. Smart farming's ambition is to incorporate several applications for early warnings based on camera observations, the detection of risk factors for leg problems, human–animal relationships, sound monitoring, and emission reductions. The use of robots with human appearances for flock and herd management or using sensor technology to locate a specific pen may also allow workers to pay more or closer attention to the animals.

Animal welfare should be at the heart of innovations for tomorrow's livestock systems, this Special Issue of *Agriculture* encourages authors to publish research and review articles on the matter of how modern technologies can be used to better manage animals and improve their welfare.

Prof. Dejan Škorjanc  
Dr. Manja Zupan Šemrov





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Les Copeland

Sydney Institute of Agriculture,  
School of Life and Environmental  
Sciences, The University of  
Sydney, Sydney, NSW 2006,  
Australia

## Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, RePEc, and other databases.

**Journal Rank:** JCR - Q1 (*Agronomy*) / CiteScore - Q2 (*Plant Science*)

## Contact Us

---

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

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/agriculture](http://mdpi.com/journal/agriculture)  
[agriculture@mdpi.com](mailto:agriculture@mdpi.com)  
[X@AgricultureMdpi](https://twitter.com/AgricultureMdpi)