



## Current Research and Strategies for Improving Farm Animal Meat Quality

Guest Editors:

**Dr. Nikolina Kelava Ugarković**

Faculty of Agriculture, University  
of Zagreb, Svetošimunska Cesta  
25, 10000 Zagreb, Croatia

**Dr. Ana Kačić**

Faculty of Agriculture, University  
of Zagreb, Svetošimunska Cesta  
25, 10000 Zagreb, Croatia

Deadline for manuscript  
submissions:

**25 November 2024**

### Message from the Guest Editors

Dear Colleagues,

Meat quality includes numerous traits that can be affected by intrinsic and extrinsic factors. Meat quality can be analysed in terms of the nutritional properties they provide for human consumption, the traits that determine the safety of the meat (hygiene and toxicology), the traits that are important for meat processing, and the set of traits that determine sensory quality. Thus, the analysis of meat quality can be approached from different points. The genetic background of a species and/or breed has an inevitable effect on farm animal meat quality and its interaction with production systems, mainly with respect to nutritional properties and pre-mortem handling results regarding the specific physio-chemical characteristics of the meat. During post-mortem handling, transport and shelf-life microorganism contamination can occur, leading to meat spoilage and unappetizing or even poisonous or infectious effects. The meat industry requires specific meat characteristics, and different post-mortem handling and treatment methods can be beneficial to improve meat quality parameters.





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)