



## Innovative Technologies for the Feeding of Dairy Cattle to Ensure Animal Welfare and Production Quality—INNOVALAT

Guest Editors:

**Dr. Andrea Colantoni**

**Prof. Dr. Umberto Bernabucci**

**Prof. Nicola Lacetera**

**Prof. Loredana Basirico**

**Prof. Patrizia Morera**

**Prof. Dr. Massimo Malacarne**

**Prof. Dr. Andrea Summer**

Deadline for manuscript  
submissions:

**closed (15 November 2021)**

### Message from the Guest Editors

Dear Colleagues,

In order to express dairy cattle's potential in the best possible way, cows with a high productive aptitude must be efficiently fed. In order to manifest itself, the productive aptitude must be adequately supported by correct feeding (quantity and quality) and above all by correct feeding management. Correct nutrition management is of extreme importance not only for the best expression of genetic potential, but also to safeguard animal health and welfare and finally to avoid waste, since feeding contributes on the order of 50–60% of the cost of milk production. Precision feeding (PF) is developing very successfully in the field of precision animal husbandry.

### Topics

Non-destructive measurements of quality milk and feed total mixed ratio;

IoT and machine learning for agro-zootechnical sectors;

Welfare of dairy cattle;

Qualitative characteristics of the milk in relation to the needs deriving from the technological transformation;

Precision feeding systems;

Precision farming;

Safety and health in agro-zootechnical sectors.





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 - Q1 (Plant Science)

## Contact Us

---

Agriculture Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/agriculture  
agriculture@mdpi.com  
X@AgricultureMdpi