

Special Issue

Strategies and Practices to Mitigate Greenhouse Gas and Nitrogen Emissions from Livestock Production Systems

Message from the Guest Editors

The successful development of animal husbandry by maximizing production at minimum costs and inputs has led to a situation where it is now responsible for a range of adverse environmental impacts. Despite that the environmental load per unit of produce, e.g., per kg milk or meat, is relatively low, the load per surface area is high. This is especially so in densely populated and agriculturally intensive areas. Reductions in nutrient losses and GHG- and N-emissions have been achieved to varying extents by single-issue approaches and modifications to the biophysical production system. But further improvements to all environmental aspects are required, without undue trade-offs and negative side effects. Therefore, research work on feeding, grazing, and housing practices, techniques and strategies that reduce ammonia, and/or GHG emissions to the air and nitrate to the (ground) water are welcomed to this Special Edition. Capturing of methane and ammonia, as well as other gases from the barn and manure storage facilities, are also of great interest. Moreover, nutrient management tools and use of carbon credits, etc., fit into this theme.

Guest Editors

Dr. Abele Kuipers

Livestock Research, Wageningen University & Research, Wageningen, The Netherlands

Prof. Dr. Adam Cieślak

Department of Animal Nutrition, Poznan University of Life Sciences, Wolyńska 33, 60-637 Poznan, Poland

Deadline for manuscript submissions

closed (20 June 2026)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 4.5
CiteScore 7.8



mdpi.com/si/265128

Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)





Agriculture

an Open Access Journal
by MDPI

Impact Factor 4.5
CiteScore 7.8



[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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

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), GEOBASE, PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)