

Special Issue

Greenhouse Gas Emissions and Life Cycle Assessment of Livestock Production Systems

Message from the Guest Editors

Livestock production is an important component of the global food supply and the rural economy; however, it has been reported that livestock production systems are major emitters of greenhouse gases (GHGs), particularly methane (CH₄) and nitrous oxide (N₂O), worldwide.

Livestock production accounts for 14% of the global GHG emissions and for more than one half of global anthropogenic ammonia emissions, which contribute to acidification. Concerted efforts are thus needed to reduce these emissions. The life cycle assessment (LCA) method is suitable for environmental evaluations and can be used to evaluate the environmental impacts of livestock production for the purpose of mitigating GHG emissions and other environmental impacts. In this Special Issue, we aim to publish original research articles, review papers, and opinion pieces on GHG emissions from, and environmental impacts of, livestock production systems.

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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.

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