



Environmental Impact of Livestock Production and Mitigation Strategies

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Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editors

Livestock is an important food source for humans; however, livestock production is considered to be a significant anthropogenic cause of negative environmental impacts. Atmospheric emissions of greenhouse gases (GHG) and ammonia (NH₃), combined with releases of substances (like nitrates, phosphorus, heavy metals) to water and soil, are the main pollutants linked to livestock activities that negatively affect the environment. The need to address emissions deriving from livestock production is of primary importance to combating climate change and achieving the goals of sustainable development.

Each stage of livestock production (housing, manure storage, manure land application) is characterized by specific emissions, and several solutions can be adopted for their containment.





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Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

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