



Impact of Manure Application and Fertilizer Management on Farmland Greenhouse Gas Emissions

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Deadline for manuscript
submissions:

30 November 2024

Message from the Guest Editor

Agricultural soils are important contributors to greenhouse gas emissions. Fertilizer application and livestock deposition (either directly from grazing animals or applied as a source of nitrogen) strongly increase natural emissions from ecosystems. However, these same soils can be part of the solution, since good fertilization management contributes to carbon capture in soils, mitigating emissions. Taking into account the commitments agreed between the signatory countries of the Paris Agreement, it is essential to improve the quantification of emissions and the understanding of the factors, anthropogenic and environmental, that contribute to these emissions, improving the information required to carry out inventories of each country, which enables confirmation of emissions reduction.

For this Special Issue, authors are encouraged to contribute with research and review articles covering current and innovative strategies to improve the management of fertilizations (both synthetic and organic) and reduce greenhouse gas emissions.





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