

Special Issue

Gas Emissions in Agriculture

Message from the Guest Editors

Intensive livestock farming is a source of gaseous emissions, which have a negative impact on the welfare of breeding animals, human health, and the environment. These influences of modern intensive agriculture have led to numerous protocols, national regulations, and directives that monitor individual farms, publishing tools for estimating gaseous emissions and issuing technical measures to reduce them. The underlying assumption is that preventive measures will reduce pollution. To enable any effective implementation in this area, it is essential to understand the risk, production, and monitoring of gaseous emissions. This Special Issue is open to submissions on strategies and approaches to monitoring or predicting gas emissions from the whole process of agricultural production. Contributions to determining gas emissions from animal housing, manure storage, crop production, composting, biogas production, product processing, etc., are welcome. From a precision agriculture perspective, estimating gas emissions using computer models or intelligent systems, as well as their impact on animal welfare, and managing microclimatic conditions on the farm are topics of interest.

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About the Journal

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

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