



## Observations and Management of Livestock Production Emissions

Guest Editors:

**Dr. David Janke**

Department Engineering for  
Livestock Management, Leibniz  
Institute for Agricultural  
Engineering and Bioeconomy  
(ATB), Max-Eyth-Allee 100, 14469  
Potsdam, Germany

**Dr. Sabrina Hempel**

Department Engineering for  
Livestock Management, Leibniz  
Institute for Agricultural  
Engineering and Bioeconomy  
(ATB), Max-Eyth-Allee 100, 14469  
Potsdam, Germany

**Prof. Dr. Chaoyuan Wang**

Department of Agricultural  
Structure and Bioenvironmental  
Engineering, College of Water  
Resources and Civil Engineering,  
China Agricultural University,  
Beijing 100083, China

### Message from the Guest Editors

Contemporary husbandry systems are associated with considerable emissions of greenhouse gases and aerosols as well as extensive nitrogen losses to the environment. By that, they contribute essentially to climate change, air pollution and changes in plant coverage. Conversely, livestock farming is also considerably affected by the changing climate. Balancing the trade-offs between environmental, animal and human health requires detailed observations of emissions and co-variables or co-factors to shape the emission dynamics.

This special issue invites contributions on strategies and approaches to monitor and/or predict emissions of greenhouse gases, ammonia, bioaerosols or other air pollutants. The contributions related to measurement and/or prediction of co-variable / co-factors for emission modelling, such as indoor climate, feed composition, intake and digestibility, microbiological activity, heat stress, etc., are also very welcome. Studies that address the interrelation between pollutant emissions from livestock husbandry and animal health and welfare or that assess emission mitigation strategies are of particular interests.

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# Special Issue



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### Dr. Daniele Contini

Institute of Atmospheric Sciences  
and Climate (ISAC), National  
Research Council (CNR), Str. Prv.  
Lecce-Monteroni km 1.2, 73100  
Lecce, Italy

## 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!

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## Contact Us

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Atmosphere Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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