



## Atmospheric Pollution of Agriculture-Dominated Cities

Guest Editors:

**Prof. Dr. Weiwei Chen**

Northeast Institute of Geography  
and Agroecology (IGA), Chinese  
Academy of Sciences (CAS),  
Changchun 130102, China

**Prof. Dr. Li Guo**

College of Biological and  
Agricultural Engineering, Jilin  
University, Changchun 130022,  
China

Deadline for manuscript  
submissions:

**closed (31 January 2022)**

### Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to provide recent advances in our understanding of the atmospheric pollution of agricultural regions or cities. In agriculture-dominated regions or cities, air quality is closely linked to crop types and cultivation patterns, the ways in which livestock and poultry are fed, the living habits in the area, meteorological conditions, soil properties, and emission control measures. These activities emit considerable primary particulate matter and gaseous precursors (e.g., ammonia, volatile organic compounds, chemical substances, greenhouse gases) of secondary particulate matter. However, the complexity of chemical components in atmospheric pollutants, their spatio-temporal distributions, and heterogeneous reactions with gases remain unclear in different agricultural regions and cities.

Prof. Dr. Weiwei Chen

Prof. Dr. Li Guo

*Guest Editors*





an Open Access Journal by MDPI

## Editor-in-Chief

### 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!

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

**Journal Rank:** CiteScore - Q2 (*Environmental Science (miscellaneous)*)

## Contact Us

---

Atmosphere Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/atmosphere](http://mdpi.com/journal/atmosphere)  
[atmosphere@mdpi.com](mailto:atmosphere@mdpi.com)  
[X@Atmosphere\\_MDPI](https://twitter.com/Atmosphere_MDPI)