



## Satellite-Based Retrieval of Aerosol Properties and Its Applications

Guest Editor:

**Dr. Hiren Jethva**

GESTAR-II, NASA Goddard Space  
Flight Center, Morgan State  
University, Greenbelt, MD 20771,  
USA

Deadline for manuscript  
submissions:

**closed (30 September 2017)**

### Message from the Guest Editor

Dear Colleagues,

Satellite-based remote sensing of atmospheric aerosols has proven to be an essential means of monitoring amounts of particulate matter globally on a daily scale. Alongside its climatic impacts, the concentration of aerosols is also recognized as one the standard measures of air quality, and thus assumes importance in health-related effects. In this special issue, we encourage submission of the original papers addressing the accomplishments, challenges, and futuristic research in the broad field of space-based remote sensing of aerosols encompassing a wide range of topics including but not limited to,

- Recent advancements in retrieval techniques
- Long-term record and trend analysis
- Aerosol radiative forcing
- Applications in air quality monitoring
- Aerosol-cloud interactions
- Implications in climate change

Dr. Hiren T. Jethva  
*Guest Editor*





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)