

*Terrestrial, Atmospheric and Oceanic Sciences (TAO)*  
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2018 Special Issue Call for Papers

**" Novel Remote Sensing Technologies for Environmental Monitoring:  
Sensors, Methodologies, and Applications"**

Manuscript submissions before **March 31, 2018**

**Scope of the special issue:**

Environmental monitoring is globally important to achieve the missions of environmental sustainability and management. Remotely sensed data make up an invaluable source of information for better understanding and monitoring of our environment. Since the 1960s, a wide array of active and passive satellite sensors have been launched and operated by numerous governments and private agencies. A variety of remote sensing platforms, sensors, and instruments have been developed. Recent years, widespread applications of remotely sensed data have been leading to dramatic improvements in technologies and methodologies for better monitoring the states and processes of the changing environment.

This special issue aims to invite unique contributions from studies focusing on environmental monitoring using remote sensing observations from multi-scale, multi-temporal, multi-platforms or multi-sensors. This special issue will cover a variety of environmental monitoring technologies and their applications. Environmental monitoring using passive or active remote sensing instruments, such as laser altimeter, lidar, radar, ranging instrument using ultrasound, scatterometer using microwave radar, sounder, accelerometer, hyperspectral radiometer, spectroradiometer are all welcome to contribute to the richness of this special issue. The applications of environmental monitoring using remotely sensing technologies, such as landslide monitoring, vegetation assessment, land cover change analysis are welcome to submit to this special issue.

This special issue calls for high quality and novel technologies related to remote sensing in device development and data analysis, and aims to serve as a forum for worldwide researchers to share and discuss their works and recent advances in theoretical studies and state-of-the-art practical applications. Contributions that demonstrate the development of novel methodologies, techniques, data products and/or highlight the challenges of remote sensing in environmental monitoring are also encouraged. Potential topics include, but is not limited to:

- Disaster monitoring
- Environmental change detection
- Environmental impact assessment
- Environmental monitoring using multi-scale, multi-temporal, multi-platform, or multi-sensor technologies
- Environmental monitoring using new data analysis concept and methodologies
- Application of environmental monitoring

## Important Dates:

- Manuscript submission deadline: **March 31, 2018**
- Revision in final form: **September, 2018**
- Tentative publication: **December, 2018**

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