

## Special Issue

# Applications of Remote Sensing to Forest Ecology and Environmental Monitoring

### Message from the Guest Editor

Forest ecosystem is the most active terrestrial ecosystem that possessing exceptional value for global biodiversity conservation, ecosystem services and human well-being. Forest degradation and biodiversity losses caused by land conversion and over-use have strongly increased since the mid-20th century in many forested localities globally. Meanwhile, forest transitions, defined as a shift from net deforestation to net reforestation, have occurred widely and rapidly over recent decades. Reforestations including both active tree planation and spontaneously natural regeneration are expected to have considerable potential to contribute to climate mitigation, biodiversity conservation, and sustainable development goals. Remote sensing technology has tremendous potential to map, quantify, and monitor forest change at various spatial and temporal scales. Advanced studies on applications of remote sensing to a broad scope of forest ecology and environmental monitoring will help people improve global forest management, and guide future ecosystem restoration and sustainable development.

---

### Guest Editor

Dr. Wang Li

State Key Laboratory of Remote Sensing Science, Aerospace Information Research Institute, Chinese Academy of Sciences, Beijing 100101, China

---

### Deadline for manuscript submissions

closed (20 June 2023)



**Sustainability**

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.3**  
**CiteScore 7.7**



[mdpi.com/si/108527](https://mdpi.com/si/108527)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)



## About the Journal

### Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

---

### Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,  
Columbus, OH 43210, USA

---

### Author Benefits

#### Open Access:

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

#### High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1  
(Geography, Planning and Development)