



an Open Access Journal by MDPI

# Application of Remote Sensing in Vegetation Dynamic and Ecology

Guest Editors:

#### Dr. Wangping Li

School of Civil Engineering, Lanzhou University of Technology, Lanzhou 730050, China

#### Dr. Donghui Shangguan

State Key Laboratory of Cryospheric Science, Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences, Lanzhou 730000, China

Deadline for manuscript submissions: **30 November 2024** 

### Message from the Guest Editors

Vegetation is a crucial part of most terrestrial ecosystems, under the impacts of global warming, vegetation is exhibiting clear and diverse responses, such as greening and browning, which have been reported by many remote sensing studies.

The recent development of satellite remote sensing and its derived products provide excellent opportunities to study vegetation dynamics and their relationships to regional and global climate systems. Moreover, cloud computing (Google Earth Engine) combined with machine learning algorithms has become the most advanced tool for studying vegetation changes.

Potential topics include but are not limited to:

Vegetation changes from various remote sensing data sources;

**Special**sue

Response of vegetation to climate change;

Ecological effect of vegetation change;

Response of vegetation to human activity;

Relationship of vegetation change to climate.



mdpi.com/si/180648





an Open Access Journal by MDPI

# **Editors-in-Chief**

#### Prof. Dr. Cate Macinnis-Ng

Department of Biological Sciences, Faculty of Science, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

#### Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

### Message from the Editorial Board

*Forests* (ISSN 1999-4907) is an international and crossdisciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access.

Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

# **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, PubAg, AGRIS, PaperChem, and other databases.

Journal Rank: JCR - Q1 (Forestry) / CiteScore - Q1 (Forestry)

## **Contact Us**

*Forests* Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/forests forests@mdpi.com X@Forests\_MDPI