



Terrestrial Laser Scanning of Forest Structure

Guest Editors:

Dr. Markus Eichhorn

School of Biological, Earth and Environmental Sciences, University College Cork, Distillery Fields, North Mall, Cork T23 N73K, Ireland

Prof. Dr. Ting Yun

School of Information Science and Technology, Nanjing Forestry University, Nanjing 210037, China

Deadline for manuscript submissions:

closed (30 September 2022)

Message from the Guest Editors

Dear Colleagues,

Terrestrial laser scanning (TLS) has the potential to revolutionise forest surveying. By allowing forests to be described in three dimensions, and at high resolution, it opens up the possibility for increasing both the accuracy of existing measurements and developing novel insights.

Nevertheless, there remain a number of challenges. These include practical issues such as evaluating new and upgraded platforms for data collection, with many new devices in development; designing and assessing survey protocols; comparing TLS with traditional approaches; and integrating TLS data with complementary methods.

In this issue, we welcome all studies which deploy TLS approaches in forest ecosystems, whether natural or designed. Specific topics include, but are not limited to:

- Demonstration of methodologies for field data collection
- Comparison between TLS and other survey approaches
- Integration of airborne and terrestrial laser scanning
- Extraction of forest physical parameters from point clouds
- Applications of TLS data in forestry, forest ecology or conservation





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S.
Geological Survey (USGS), USGS
Western Geographic Science
Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank: JCR - Q1 (*Geosciences, Multidisciplinary*) / CiteScore - Q1 (*General Earth and Planetary Sciences*)

Contact Us

Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
X@RemoteSens_MDPI