Advances in Vegetation Structure Modelling to Support the Sustainable Development Goals Acquisition through Forest Management

Guest Editors:

Dr. María Teresa Lamelas
Departamento de Geografía y Ordenación del Territorio, Centro Universitario de la Defensa Zaragoza, 50090 Zaragoza, Spain

Dr. Dario Domingo
EiFAB-iuFOR, University of Valladolid, Campus Duques de Soria, 42004 Soria, Spain

Deadline for manuscript submissions:
closed (31 May 2023)

Message from the Guest Editors

Dear Colleagues,

Recently, the development of LiDAR technology constitutes an important advance in forest management made through remote sensing techniques. Complementary technologies have arisen to improve vegetation structure modeling due to the availability of LiDAR data from satellite missions such as the Global Ecosystem Dynamics Investigation LiDAR (GEDI) or the Ice, Cloud and Land Elevation Satellite-2 (or ICESat-2). These technological developments have been accompanied by advances in modeling methods, from empirical (parametric and non-parametric statistical approaches) to physical methods, such as Radiative Transfer Models (RTM), especially 3D RTM, which is capable of simulating the LiDAR response.

This Special Issue is aimed at studies covering the application of advanced remote sensing techniques to vegetation structure modeling, with the aim of supporting sustainable forest management. Topics may cover the wide range of variables related to resources and hazard modeling and mapping, such as: wildfire; Dasometry/inventory; Climate change; Ecology, etc.

Special Issue

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