



Special Issue Reprint

Earth Observation in Forest Biophysical/Biochemical Parameter Retrieval

www.mdpi.com/books/reprint/6757

Edited by

Prashant K Srivastava

Ramandeep Kaur M. Malhi

Mukunda Dev Behera

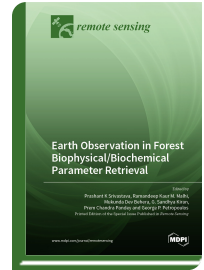
G. Sandhya Kiran

Prem Chandra Pandey

George P. Petropoulos

ISBN 978-3-0365-6525-5 (Hardback)

ISBN 978-3-0365-6526-2 (PDF)



This reprint discusses advancements in forest research using Earth Observation datasets. Forests, which occupy about one-third of the terrestrial surface of Earth, play an indispensable role in monitoring global climate change and ecosystem dynamics. The health of forests has been affected in recent years by various stress factors, such as forest fragmentation and deforestation, biodiversity loss, climate change, invasive species, drought, and unsustainable management. This reprint focuses on the evaluation of different techniques for the retrieval of different biophysical/biochemical parameters using available Earth Observation data. The following topics have been covered in this reprint:

- Mangrove forest carbon assessment using EO data;
- Phenological metrics of plant species using NDVI time series data;
- PAR for diversity relation;
- Forest/canopy height retrieval using Pol-InSAR modeling;
- Dominant species discrimination using LiDAR data;
- Biophysical parameters estimation of young oil palm using UAV;



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/6757

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.