## DESCRIPTION

**Advances in Remote Sensing for Forest Monitoring**

An expert overview of remote sensing as applied to forests and other vegetation

In *Advances in Remote Sensing for Forest Monitoring*, a team of distinguished researchers delivers an expansive and insightful discussion of the latest research on remote sensing technologies as they relate to the monitoring of forests, plantations, and other vegetation. The authors also explore the use of unmanned aerial vehicles and drones, as well as multisource and multi-sensor data – such as optical, SAR, LIDAR, and hyperspectral data.

The book draws on the latest data and research to show how remote sensing solutions are being used in real-world settings. It offers contributions from researchers and practitioners from a wide variety of backgrounds and geographical regions to provide a diverse and global set of perspectives on the subject.

Readers will also find:

- A thorough introduction to forest monitoring using remote sensing including recent advances in remote sensing technology
- Comprehensive explorations of sustainable forest management to enhance ecosystem services and livelihood security using a geospatial approach
- Case studies of monitoring the biochemical and biophysical parameters of forests, including carotene and xanthophyll content
• Practical advice on how to apply machine learning tools to remote sensing data

Perfect for postgraduates, lecturers, and researchers in the fields of environmental science, forestry, and natural resource management, Advances in Remote Sensing for Forest Monitoring will also earn a place in the libraries of professionals and researchers working with remote sensing technology.

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