



Remote Sensing of Vegetation: Principles, Techniques, and Applications

By Hamlyn G Jones, Robin A Vaughan

Download now

Read Online 

Remote Sensing of Vegetation: Principles, Techniques, and Applications By Hamlyn G Jones, Robin A Vaughan

Remote sensing is becoming an increasingly important tool for agriculturalists, ecologists, and land managers for the study of Earth's agricultural and natural vegetation, and can be applied to further our understanding of key environmental issues, including climate change and ecosystem management.

This timely introduction offers an accessible yet rigorous treatment of the basics of remote sensing at all scales, illustrating its practical application to the study of vegetation. Despite a quantitative approach, the advanced mathematics and complex models common in modern remote sensing literature is demystified through clear explanations that emphasise the key underlying principles, and the core physical aspects are explained in the biological context of vegetation and its adaptation to its specific environment.

Various techniques and instruments are addressed, making this a valuable source of reference, and the advantages and disadvantages of these are further illustrated through worked examples and case studies.

DT Rigorous physical and mathematical principles presented in a way readily understood by those without a strong mathematical background

DT Boxes throughout summarize key information and concepts

DT The student is directed to carefully chosen further reading articles, allowing them to explore key topics in more detail

Online Resource Centre

The Online Resource Centre to accompany *Remote Sensing of Vegetation* features:

For Students:

DT Links to useful websites

For lecturers:

DT Figures from the book in electronic format, ready to download

 [Download Remote Sensing of Vegetation: Principles, Techniqu ...pdf](#)

 [Read Online Remote Sensing of Vegetation: Principles, Techni ...pdf](#)

Remote Sensing of Vegetation: Principles, Techniques, and Applications

By Hamlyn G Jones, Robin A Vaughan

Remote Sensing of Vegetation: Principles, Techniques, and Applications By Hamlyn G Jones, Robin A Vaughan

Remote sensing is becoming an increasingly important tool for agriculturalists, ecologists, and land managers for the study of Earth's agricultural and natural vegetation, and can be applied to further our understanding of key environmental issues, including climate change and ecosystem management.

This timely introduction offers an accessible yet rigorous treatment of the basics of remote sensing at all scales, illustrating its practical application to the study of vegetation. Despite a quantitative approach, the advanced mathematics and complex models common in modern remote sensing literature is demystified through clear explanations that emphasise the key underlying principles, and the core physical aspects are explained in the biological context of vegetation and its adaptation to its specific environment.

Various techniques and instruments are addressed, making this a valuable source of reference, and the advantages and disadvantages of these are further illustrated through worked examples and case studies.

DT Rigorous physical and mathematical principles presented in a way readily understood by those without a strong mathematical background

DT Boxes throughout summarize key information and concepts

DT The student is directed to carefully chosen further reading articles, allowing them to explore key topics in more detail

Online Resource Centre

The Online Resource Centre to accompany *Remote Sensing of Vegetation* features:

For Students:

DT Links to useful websites

For lecturers:

DT Figures from the book in electronic format, ready to download

Remote Sensing of Vegetation: Principles, Techniques, and Applications By Hamlyn G Jones, Robin A Vaughan Bibliography

- Sales Rank: #192639 in Books
- Published on: 2010-09-10
- Original language: English
- Number of items: 1

- Dimensions: 7.50" h x .75" w x 9.60" l, 1.90 pounds
- Binding: Paperback
- 384 pages

 [Download Remote Sensing of Vegetation: Principles, Techniqu ...pdf](#)

 [Read Online Remote Sensing of Vegetation: Principles, Techni ...pdf](#)

Download and Read Free Online Remote Sensing of Vegetation: Principles, Techniques, and Applications By Hamlyn G Jones, Robin A Vaughan

Editorial Review

Review

"Jones and Vaughan provide an excellent introduction to a growing transdisciplinary field of inquiry and practice-- one that should find its way into many a syllabus." -- Bioscience

About the Author

Hamlyn G. Jones has been Professor of Plant Ecology at the University of Dundee since 1997, where his current research concentrates on aspects of micrometeorology and plant interactions with their environment (especially their responses and adaptations to environmental stresses). A major part of this work involves the development of remote sensing approaches to the study of energy and mass exchange by plant canopies, and the remote study of canopy structure.

He has published a major text on 'Plants and microclimate', together with four jointly edited proceedings and over 110 articles in refereed journals.

Robin Vaughan moved to the University of Dundee in 1965 as a solid state physicist and in 1991 was appointed senior lecturer in the Electronic Engineering and Physics Division. In 1995 he was elected a Fellow of the Remote sensing Society. He has written numerous books and articles and is now course director of the Dundee MSc course on *Remote Sensing, Image Processing and Applications*.

Users Review

From reader reviews:

Natalie Hernandez:

What do you with regards to book? It is not important together with you? Or just adding material when you want something to explain what your own problem? How about your time? Or are you busy man? If you don't have spare time to do others business, it is gives you the sense of being bored faster. And you have extra time? What did you do? Everyone has many questions above. They have to answer that question since just their can do in which. It said that about reserve. Book is familiar on every person. Yes, it is correct. Because start from on kindergarten until university need this Remote Sensing of Vegetation: Principles, Techniques, and Applications to read.

Brian Nelson:

Often the book Remote Sensing of Vegetation: Principles, Techniques, and Applications will bring one to the new experience of reading some sort of book. The author style to describe the idea is very unique. If you try to find new book to study, this book very suited to you. The book Remote Sensing of Vegetation: Principles, Techniques, and Applications is much recommended to you you just read. You can also get the e-book from

the official web site, so you can more easily to read the book.

Carmela Williams:

People live in this new day time of lifestyle always try and and must have the time or they will get wide range of stress from both everyday life and work. So , if we ask do people have free time, we will say absolutely without a doubt. People is human not a robot. Then we inquire again, what kind of activity have you got when the spare time coming to an individual of course your answer can unlimited right. Then do you ever try this one, reading ebooks. It can be your alternative inside spending your spare time, the particular book you have read is actually Remote Sensing of Vegetation: Principles, Techniques, and Applications.

William Burmeister:

What is your hobby? Have you heard which question when you got learners? We believe that that query was given by teacher to the students. Many kinds of hobby, Everybody has different hobby. And you also know that little person such as reading or as looking at become their hobby. You have to know that reading is very important and also book as to be the factor. Book is important thing to add you knowledge, except your personal teacher or lecturer. You see good news or update in relation to something by book. Different categories of books that can you decide to try be your object. One of them is Remote Sensing of Vegetation: Principles, Techniques, and Applications.

**Download and Read Online Remote Sensing of Vegetation:
Principles, Techniques, and Applications By Hamlyn G Jones,
Robin A Vaughan #0D3KJ5EMXZQ**

Read Remote Sensing of Vegetation: Principles, Techniques, and Applications By Hamlyn G Jones, Robin A Vaughan for online ebook

Remote Sensing of Vegetation: Principles, Techniques, and Applications By Hamlyn G Jones, Robin A Vaughan Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Remote Sensing of Vegetation: Principles, Techniques, and Applications By Hamlyn G Jones, Robin A Vaughan books to read online.

Online Remote Sensing of Vegetation: Principles, Techniques, and Applications By Hamlyn G Jones, Robin A Vaughan ebook PDF download

Remote Sensing of Vegetation: Principles, Techniques, and Applications By Hamlyn G Jones, Robin A Vaughan Doc

Remote Sensing of Vegetation: Principles, Techniques, and Applications By Hamlyn G Jones, Robin A Vaughan Mobipocket

Remote Sensing of Vegetation: Principles, Techniques, and Applications By Hamlyn G Jones, Robin A Vaughan EPub

0D3KJ5EMXZQ: Remote Sensing of Vegetation: Principles, Techniques, and Applications By Hamlyn G Jones, Robin A Vaughan