



# Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series)

*Hongsheng Zhang, Hui Lin, Yuanzhi Zhang, Qihao Weng*

Download now

Read Online ➔

[Click here](#) if your download doesn't start automatically

# Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series)

*Hongsheng Zhang, Hui Lin, Yuanzhi Zhang, Qihao Weng*

**Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series)** Hongsheng Zhang, Hui Lin, Yuanzhi Zhang, Qihao Weng

**Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas** offers a complete and thorough system for using optical and synthetic aperture radar (SAR) remote sensing data for improving impervious surface estimation (ISE). Highlighting tropical and subtropical areas where there is significant cloud occurrence and varying phenology, the book addresses the challenges impacting impervious surfaces in tropical and subtropical zones. It examines the potential for estimating urban impervious surfaces in a rainy and cloudy environment, considers the difficulties encountered when using optical remote sensing in this type of climate, and assesses existing methods employing remote sensing data for accurate ISE in tropical and subtropical regions.

Using the results of comparative studies conducted during the four seasons and in six different cities (Guangzhou, Shenzhen, Hong Kong, Mumbai, Sao Paulo, and Cape Town), the authors develop a framework for ISE using optical and SAR image data. They address the advantages and disadvantages of optical and SAR data, consider fusion strategies for combining optical and SAR data, and examine different feature extractions for optical and SAR data. They also detail the limitations of the research, suggest possible topics for future analysis, and cover previous findings on the synergistic use of optical and SAR data.

- Concentrates on the effect a tropical and subtropical urban climate can have on impervious surface estimation (ISE)
- Reviews literature on the significance of ISE and the phonological and climatic characteristics of tropical and subtropical regions
- Describes datasets including satellite data, digital orthophoto data, *in situ* data, and more

Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas investigates the state of the art in creating new algorithms for digital images processing and remotely sensed images classification, as well as in developing the meteorological modeling of urban heat islands, and the hydrological modeling of surface run-off and urban floods.

 [Download Remote Sensing of Impervious Surfaces in Tropical and S ...pdf](#)

 [Read Online Remote Sensing of Impervious Surfaces in Tropical and ...pdf](#)

**Download and Read Free Online Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) Hongsheng Zhang, Hui Lin, Yuanzhi Zhang, Qihao Weng**

---

## **Download and Read Free Online Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) Hongsheng Zhang, Hui Lin, Yuezhi Zhang, Qihao Weng**

---

### **From reader reviews:**

#### **Jason Silva:**

What do you think about book? It is just for students since they're still students or it for all people in the world, what the best subject for that? Merely you can be answered for that problem above. Every person has distinct personality and hobby for each other. Don't to be pressured someone or something that they don't wish do that. You must know how great in addition to important the book Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series). All type of book can you see on many resources. You can look for the internet options or other social media.

#### **Catherine Scott:**

This Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) book is simply not ordinary book, you have after that it the world is in your hands. The benefit you receive by reading this book is usually information inside this reserve incredible fresh, you will get info which is getting deeper you actually read a lot of information you will get. This specific Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) without we understand teach the one who reading through it become critical in thinking and analyzing. Don't possibly be worry Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) can bring once you are and not make your bag space or bookshelves' turn into full because you can have it with your lovely laptop even phone. This Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) having excellent arrangement in word in addition to layout, so you will not feel uninterested in reading.

#### **Ernest Pettaway:**

Your reading sixth sense will not betray anyone, why because this Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) guide written by well-known writer who really knows well how to make book that could be understand by anyone who else read the book. Written inside good manner for you, leaking every ideas and writing skill only for eliminate your hunger then you still doubt Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) as good book but not only by the cover but also through the content. This is one e-book that can break don't assess book by its handle, so do you still needing an additional sixth sense to pick this specific!? Oh come on your looking at sixth sense already said so why you have to listening to one more sixth sense.

#### **Timothy Payne:**

In this time globalization it is important to someone to receive information. The information will make a professional understand the condition of the world. The condition of the world makes the information simpler to share. You can find a lot of references to get information example: internet, newspapers, book,

and soon. You can observe that now, a lot of publisher this print many kinds of book. The particular book that recommended to you is Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) this guide consist a lot of the information with the condition of this world now. This specific book was represented how does the world has grown up. The dialect styles that writer make usage of to explain it is easy to understand. Typically the writer made some exploration when he makes this book. Honestly, that is why this book appropriate all of you.

**Download and Read Online Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) Hongsheng Zhang, Hui Lin, Yuanzhi Zhang, Qihao Weng #Y357CE9KD1O**

# **Read Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) by Hongsheng Zhang, Hui Lin, Yuanzhi Zhang, Qihao Weng for online ebook**

Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) by Hongsheng Zhang, Hui Lin, Yuanzhi Zhang, Qihao Weng 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 Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) by Hongsheng Zhang, Hui Lin, Yuanzhi Zhang, Qihao Weng books to read online.

## **Online Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) by Hongsheng Zhang, Hui Lin, Yuanzhi Zhang, Qihao Weng ebook PDF download**

**Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) by Hongsheng Zhang, Hui Lin, Yuanzhi Zhang, Qihao Weng Doc**

**Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) by Hongsheng Zhang, Hui Lin, Yuanzhi Zhang, Qihao Weng Mobipocket**

**Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) by Hongsheng Zhang, Hui Lin, Yuanzhi Zhang, Qihao Weng EPub**

**Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) by Hongsheng Zhang, Hui Lin, Yuanzhi Zhang, Qihao Weng Ebook online**

**Remote Sensing of Impervious Surfaces in Tropical and Subtropical Areas (Remote Sensing Applications Series) by Hongsheng Zhang, Hui Lin, Yuanzhi Zhang, Qihao Weng Ebook PDF**