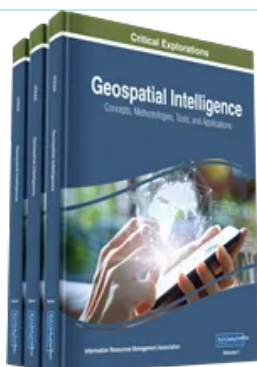


10% Discount on All IGI Global published Book, Chapter, and Article Products through the Online Bookstore

(10% discount on all IGI Global published Book, Chapter, and Article Products cannot be combined with most offers. Discount is valid on purchases made directly through IGI Global Online Bookstore (www.igi-global.com (<https://www.igi-global.com/>)) and may not be utilized by booksellers and distributors. Offer does not apply to e-Collections and exclusions of select titles may apply. Offer expires December 31, 2022.)

[Browse Titles \(https://www.igi-global.com/search/?p=&ctid=1\)](https://www.igi-global.com/search/?p=&ctid=1)



Reigniting GIS's Application in Ecotourism: A Case Study of Sundarbans in Bengal

Sovik Mukherjee (Shri Shikshayatan College, India)

Source Title: Geospatial Intelligence: Concepts, Methodologies, Tools, and Applications (/book/geospatial-intelligence-concepts-methodologies-tools/213224)

Copyright: © 2019

Pages: 15

DOI: 10.4018/978-1-5225-8054-6.ch065

**OnDemand PDF
Download:**

\$33.75

List Price: ~~\$37.50~~

() Available

[Current Special Offers](#)

Abstract

The chapter brings out a brief note on the tourist attractions, hotels and lodges, NGOs/travel agencies operating in that region, railway/bus stations, land use profile, etc. in the Sundarban area of West Bengal in conjunction with exploring the potential of ecotourism using GIS and some secondary source data. Moving onto the analysis part, by making use of geo-spatial data, the attributes of ecotourism potential in the Sundarbans has been explored. The author makes use of the Euclidean distance mechanism and principal component analysis to rank the ecotourism sites in Sunderbans (i.e., based on the construction of ecotourism potential index [EPI]). The novelty of the chapter lies in comparing the ranks obtained by constructing the EPI following the principal component analysis and the Euclidean distance function. It needs to be mentioned here that these tourist spots have been selected based on the information collected on the inflow of both domestic and foreign tourists to these spots. The chapter concludes by discussing the future scope of research in this regard.

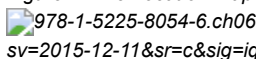
Chapter Preview

All you need is the plan, the road map, and the courage to press on to your destination. — Earl Nightingale

Introduction

Geographic Information System (GIS) uses a convex combination of various disciplines which include geography, mathematics, statistics, computer science, management and mapping science. On the basis of collected geospatial data, the technology offers a dynamic analysis for not only research but serves as a decision making instrument in the context of urban planning, disaster prevention and mitigation, tourism and other commercial areas, etc. An advanced form of GIS in this context is — Web based Geographic Information System (WGIS). It is fast becoming an effective tool for tourism and has developed itself into a platform that encourages ecotourism by bringing in the notion of area assessment, service management, resource use management, visitor flow management, and assessing impacts of the development of tourism. Therefore, the prospect of GIS applications in ecotourism is noteworthy. The study brings out a brief note on the tourist attractions, hotels and lodges, NGOs/travel agencies operating, railway/bus stations to land use profile, etc. in the Sundarbans in conjunction with exploring the potential of ecotourism using GIS based data. It should be also noted that this study will frequently make use of satellite data on digital image classification.

Figure 1. The Location Map of Sundarbans, India

_978-1-5225-8054-6.ch065.f01(https://igiprodst.blob.core.windows.net:443/source-content/9781522580546_213224/978-1-5225-8054-6.ch065.f01.png?sv=2015-12-11&sr=c&sig=iq08arcpAg9Mm9YvjTmz3JQR6zkyaIPbBsGQVeui%2FIE%3D&se=2019-11-14T22%3A41%3A24Z&sp=r)

To introduce the readers to the landscape of Sundarbans, the study area of the Indian Sundarbans is of 130 kms in length out of the total 180 kms of total coastal length of West Bengal.

Top

10% Discount on All IGI Global published Book, Chapter, and Article Products through the Online Bookstore
(10% discount on all IGI Global published Book, Chapter, and Article Products cannot be combined with most offers. Discount is valid on purchases made directly through IGI Global Online Bookstore (www.igi-global.com) and may not be utilized by booksellers and distributors. Offer does not apply to e-Collections and exclusions of select titles may apply. Offer expires December 31, 2022.)

[Browse Titles](#)

IGI Global
PUBLISHER of TIMELY KNOWLEDGE

Login/Create Account | Language: English | US | China | Cart

Search title, author, ISBN... | All Products

Books | Journals | e-Collections | Open Access | Publish with Us | Resources | Catalogs | About Us | Newsroom | Special Offers

- Navigate This Page**
- Description & Coverage
 - Table of Contents
 - Media
 - Editor/Author Biographies
 - Abstracting & Indexing
 - Archiving



Geospatial Intelligence: Concepts, Methodologies, Tools, and Applications (3 Volumes)
Information Resources Management Association (USA)

Indexed In: SCOPUS

Release Date: March, 2019 | Copyright: © 2019 | Pages: 1853

DOI: 10.4018/978-1-5225-8054-6

ISBN13: 9781522580546 | ISBN10: 1522580549 | EISBN13: 9781522580553

Buy Hardcover

Qty: 1 **\$760.50**

List Price: \$846.00
You Save: \$84.50

[Add to Cart](#)

Benefits & Incentives

- 10% Discount on all Hardcover books purchased through IGI Global's Online Bookstore
- Printed-On-Demand (POD)
- Usually ships one day from order

Hardcover: \$760.50
List Price: \$846.00

Available

[Benefits & Incentives](#)

E-Book: \$760.50
(Multi-User License) List Price: \$846.00

Available

[Benefits & Incentives](#)

Hardcover + E-Book: \$918.00
(Multi-User License) List Price: \$1,000.00

Available

[Benefits & Incentives](#)

OnDemand: \$33.75
(Individual Chapters)

Activate Windows
Go to Settings to activate Windows.
Available in GOBI