



Coastal Environments: Problems and Perspectives , 1/e

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About the Book

Coastal Environments: Problems and Perspectives display the impact of natural forces and processes on man and also the impact of man on the coastal environment. The exploitation of natural mineral resources, navigation and recreation activities are an integral part of the problems and perspectives of coastal environments.

This volume highlights various processes, particularly sediment transport, coastal erosion and its management, landform evolution and resources of the coastal region. The case studies are presented under each section. The availability of comprehensive basic scientific data is vital for effective coastal zone management. There are sixteen papers together on coastal resources, coastal landforms, coastal erosion, sediment transport and dredging and all these add the scientific information for coastal zone management. The last section of the book comprises the papers on application of remote sensing in environmental studies and two assorted papers on surface run-off and flora of Gondwanaland. The causes for coastal erosion, the present scenario of erosion along Kerala and Karnataka coasts and the mitigation procedures have been explained in this book. The utility of seawalls and other protection structures in arresting coastal erosion has been discussed and debated in detail.

Salient Features

Salient Features:

- ▶ The book is divided into 5 sections which deals with coastal resources, coastal landforms, sediment transport and maintenance dredging, coastal erosion and management, and application of RS & GIS and flora in environmental geosciences studies.
- ▶ Each section is embedded with relevant real-life case studies.
- ▶ Profusely illustrated with line drawings, maps and photographs.

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