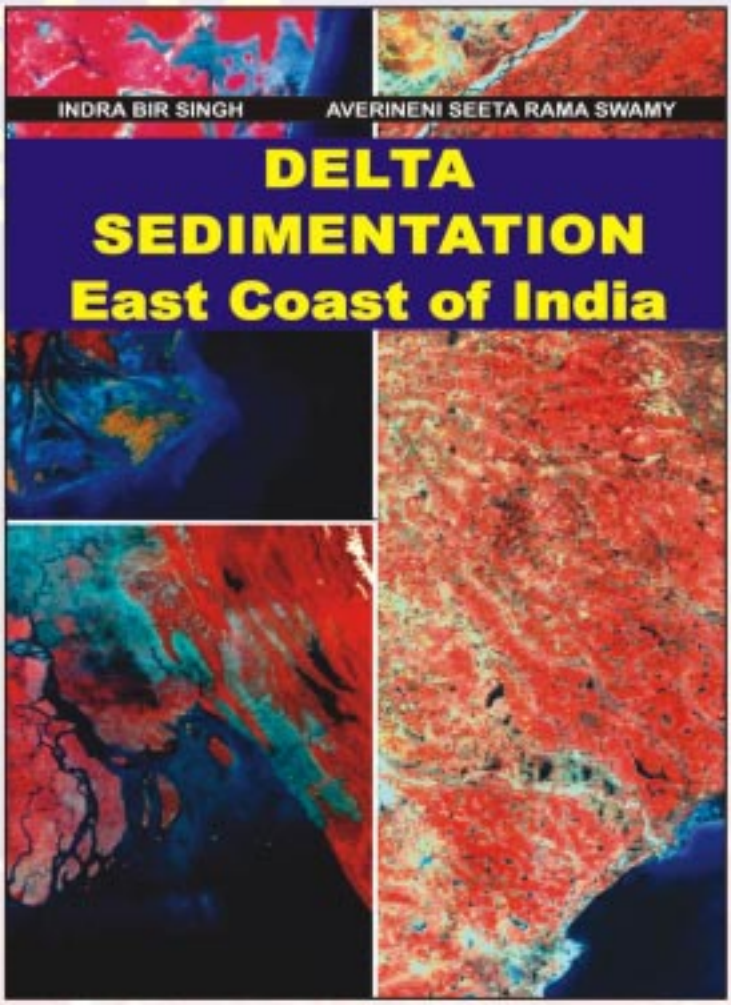
The deltas are the most dynamic parts of a coastal region witnessing high rates of sedimentation, responding to the coastal evolution in response to sea level changes and tectonic. Delta- related deposits usually have a high potential of hydrocarbons as stratigraphic traps.

The book offers a comprehensive account of deltas and geological evolution of east coast of India since its separation from Antarctica - Australia assembly and the present situation of Bay of Bengal. Oceanographic processes, sedimentation, depositional patterns of coastal zone, continental margin and Bengal Fan are discussed. The east cost of India shows a number of small and large deltas with varying hydrologic characteristics. Seven important deltas of the east coast, namely Ganga, Subarnarekha, Mahanadi, Godavari, Krishna, Penner and Cauvery are discussed in detail. Geomorphology, river mouth processes, depositional environments, vertical facies model and sand distribution pattern of each delta are given. This information is useful to develop hydrocarbon exploration strategies for a variety of delta systems.

The book is the only available comprehensive account of the east coast of India and its deltas, emphasizing possible delta building activity of different east coast basins in geological past, Holocene evolution of deltas, response to changing sea-levels and systems tract concept.

The book is useful to hydrocarbon exploration geologists engaged in delta systems, oceanographers, physical geographers, geologists and land planners of coastal areas.



BOOK ON

DELTA SEDIMENTATION East Coast of India

Authored by

Prof. I.B. Singh

Department of Geology, Lucknow University, Lucknow.

Prof. I.B. Singh is a renowned sedimentologist with specialization in facies and depositional environment studies. He has worked in both modern and ancient depositional systems of India, Europe and U.S.A.

Prof. A.S.R. Swamy

Department of Geology, Andhra University, Visakhapatnam

Prof. A. S.R. Swamy is a well known coastal sedimentologist. He has worked extensively in different east coast deltas and taught courses on delta systems to petroleum geologists.

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ABOUT THE AUTHORS

I.B. SINGH

Prof. Indra Bir Singh (born 1943) obtained B.Sc. (Hons.) and M.Sc. (1962) in Geology from Lucknow University, Dr. rer. nat. (1966) from Technical University, Stuttgart, Germany, and spent two years as post-doctoral fellow at University of Oslo, Norway. He worked for several years at the Senckenberg Institute of Marine Geology, Wilhehmshavan, and co-authored with Prof. H.E. Reineck, the highly successful book Depositional Sedimentary Environments. Prof. Singh joined Department of Geology, Lucknow University in 1973 where he is presently professor in geology. He was Humboldt fellow in Germany, visiting professor at Louisiana State University, Baton Rouge, and visiting professor at University of Erlangen-Nuremberg. He worked on depositional systems and facies analysis of ancient and modern sediments in India, Europe and U.S.A., especially in Himalaya, Indian Peninsula, North Sea, Mediterranean Sea, Mississippi delta system, Ganga Plain and East Coast delta systems. He has published more than 150 research papers, fellow of Indian National Science Academy, recipient of national mineral award and Rama Rao birth centenary award. Presently Prof. Singh is engaged in studies of Quaternary history and palaeoclimate of India, evolution of Ganga Plain and east coast delta sedimentation.

A.S.R. SWAMY

Prof. Averineni Seeta Rama Swamy (born 1940) obtained M.Sc. in geology from Andhra University, Waltair, Visakhapatnam in the year 1963, was awarded C. Mahadevan Shastyabdiphuthi Prize, and Ph. D degree on his work on the Krishna River delta sediments. He joined the Department of Geology, Andhra University as lecturer in 1972 and became professor and head of the department. He has engaged himself in the study of coastal sediments of India, particularly the study of delta regions. He was UNESCO/UNDP fellow at Lamont-Doherty Geological Observatory, New York and Coastal Studies Institute, Baton Rouge, U.S.A. in the year 1981. He carried out research projects on the east coast of India sponsored by ONGC, DST, DOEN, AMD and UGC; guided a number of students for Ph. D., mostly on various aspects of coastal sediments of India, and published more than fifty research papers in the fields of sedimentology and marine geology. He initiated Delta Studies Institute (1996) at Visakhapatnam and was its coordinator (1996-2000), and started training programme on modern deltas for the universities and oil companies. Prof. A.S.R. Swamy is engaged in active research on deltas and in organizing courses on delta sedimentation at Andhra University.