GEOMORPHOLOGY TEXTS

Geographical Variation in Coastal Development

Second edition

J L Davies

This book examines the ways in which the morphological development of coasts varies from one part of the world to another, and isolates the factors involved in this variation. These include global, as well as smaller scale, geological structures, lithology, subaerial climates, wave and tide regimes, and botanical and zoological impacts and interactions. Although the book makes full use of local and regional examples, it also stresses the importance of studying the broad patterns of coastal variation on a global scale. Highly praised in its first edition, it has been fully revised throughout for this second edition, to take account of the latest research findings and includes a fully updated bibliography.

Rivers

Marie Morisawa

This book introduces the wide range of geomorphological processes associated with riverine action. Professor Morisawa begins by discussing the importance of rivers in the world erosion and sedimentation budget and traces the historical evolution of ideas on river action. She then goes on to discuss the hydraulics of rivers, the mechanics of load transportation, erosion and deposition, the characteristics of the longitudinal profile, channel morphology, equilibrium concepts, channel patterns, the morphometry of the drainage basin and the factors influencing the evolution of drainage. The book is concluded by a chapter discussing human modifications of river regimes and the impact of river action on human life. The text is heavily illustrated with maps, diagrams and photographs and contains a full, up to date, bibliography.

Contents