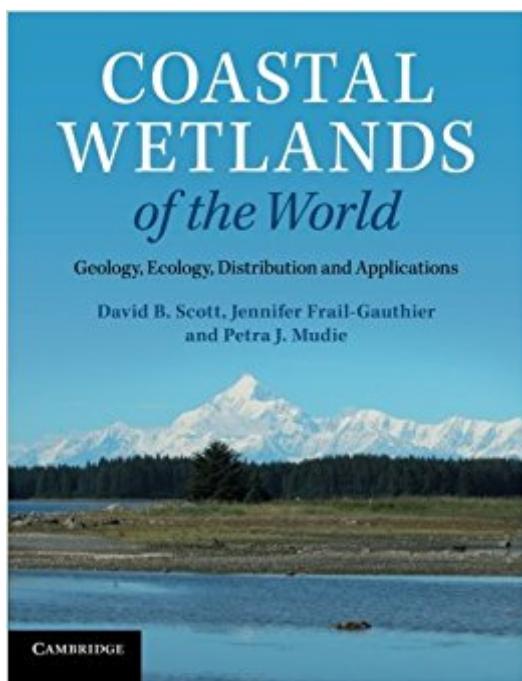


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Coastal Wetlands Of The World: Geology, Ecology, Distribution And Applications



Synopsis

Salt marshes and mangrove forests, the intertidal wetlands of the world's coastlines, provide key ecological services to all areas of the globe. This cutting-edge, richly illustrated book introduces the essential elements of coastal wetlands and their applications. The book opens by introducing coastal oceanography, the physical features of wetlands, their ecology, and human impacts upon them, giving all students the necessary background for wetlands studies. It then presents detailed case studies from around the world with extensive illustrations, supplying a wider, global-scale picture of wetlands geomorphology and biodiversity. The final chapters discuss some unique applications of coastal wetlands, including geological monitoring, uses in biotechnology and agriculture, and various experimental mesocosms. This is ideal as supplementary reading to support students on a wide range of earth and life science courses, from environmental science, ecology and palaeoecology to geomorphology and geography. It will also be a valuable interdisciplinary reference for researchers.

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"This is a major new contribution to the study of salt marshes and mangrove forests. Uniquely comprehensive, the book provides extraordinary coverage of coastal wetlands from the Arctic to the tropics with superb case study examples from Africa, Europe, Asia, and both Americas. Importantly, this innovative volume covers not only the physical, ecological and human interventions controlling the development, loss and future of coastal wetlands but also provides the reader with modern

approaches to geological monitoring, conservation of plant biodiversity, and experimental methods. The readability of the book, with supporting graphics and informative photographs, makes it accessible to readers at all levels." Professor Curtis J. Richardson, Director, Duke University Wetland Center

This cutting-edge, richly illustrated introduction to coastal wetlands supplies students with the necessary background, presents detailed global case studies, and explains some unique applications of coastal wetlands. Ideal as supplementary reading for students in environmental science, ecology, palaeoecology, geomorphology and geography, this is also a valuable interdisciplinary reference for researchers.

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