

Treatise on Estuarine and Coastal Science, 2nd Edition

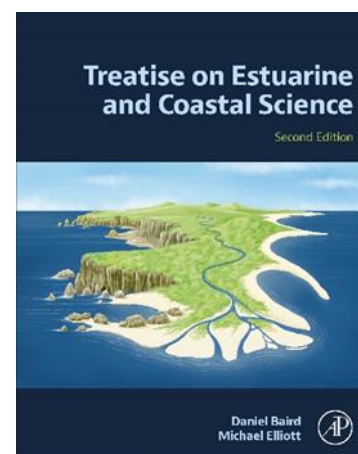
河口與海岸科學，第二版

The most up-to-date treatment on estuarine and coastal ecosystem structure, function, socio-economics, management and response to climate change.

《河口與海岸科學論文》七卷集是基於系統的海岸和河口生態系統科學和管理的最新參考書。它解決了河口和沿海地區面臨的重大問題；特別是如何最好地利用多學科和跨學科科學來確保環境的可持續性。它的重點是需要保護和維持世界各地河口和海岸的自然功能，同時提供生態系統服務，讓社會從中獲取商品和利益。

由該領域的領導者撰寫的結構化章節包括參考文獻清單和附加閱讀材料、大量圖表、案例研究，特別是提供了複雜問題的綜合圖和概念模型。該論文涵蓋自然科學和社會科學，服務於從本科生到知名研究人員和實踐者的廣泛讀者。這項工作避免了自生態研究，而是專注於沿海地區相互關聯的物理-化學-生物生態系統過程和相關的社會經濟問題。它研究了從內陸流域/河流盆地到海洋架的河口和海岸，以及它們與人類的相互作用和回饋。

新版本在前一版本的基礎上進行了重大更新和擴展，並新增了有關氣候變遷和沿海生態系統的全新部分，涵蓋了河口、海岸和其他過渡性棲息地對氣候變遷的抵抗力和恢復力，從而確定了未來所需的變化和應對措施。



Key features/ benefits

- Comprehensive – a unique resource in the field, Treatise on Estuarine and Coastal Science covers system based coastal and estuarine science and management, linking physical, chemical and biological ecosystem processes with associated socio-economic issues.
- Updated and forward-looking: the new edition provides significant updates and a whole new section on Climate Change and Coastal Ecosystems, covering the resistance and resilience of the estuaries, coasts and other transitional habitats and responses needed over the coming decades.
- Authoritative and accessible – all chapters, written by leaders in the field, provide synthesis and conceptual models of complex issues, ensuring that the knowledge within is easily understood by a large audience.
- 綜合性：河口和海岸科學論文是該領域的獨特資源，涵蓋了基於系統的沿海和河口科學與管理，將物理、化學和生物生態系統過程與相關的社會經濟問題聯繫起來。
- 好評度高：上一版深受市場好評，使用廣泛，下載章節超過 5 萬次。

- 更新和前瞻性：新版本對先前版本進行了重大更新和關於氣候變遷和沿海生態系統的全新部分的擴展，涵蓋了河口、海岸和其他過渡性棲息地的抵抗力和恢復力以及未來幾十年所需的應對措施。
- 權威且易於理解：由該領域的領導者撰寫的 155 章提供了複雜問題的綜合和概念模型，確保其中的知識易於被廣大讀者理解。
- 結構化內容：所有章節都遵循帶有固定標題的通用結構，使用戶更容易交叉比較和瀏覽內容。

What problem does this MRW solve?

While new scientific papers are published every day, information is scattered in multiple, specialized outlets. Even expert researchers on one coastal system often know little about coastal systems in other parts of the world. This work provides a unique synthesis, linking physical-chemical-biological-ecosystem processes and associated socio-economic issues into one authoritative and accessible resource.

Meet the Editors-in-Chief

- Editors-in-Chief: Daniel Baird, Department of Botany and Zoology, University of Stellenbosch, South Africa; Michael Elliott, Institute of Estuarine and Coastal Studies (IECS), University of Hull, UK.
- Plus an international and highly qualified editorial board: Alan Whitfield, Reg Uncles, Steve Mitchell, Jon French, Tim Jennerjahn, Ursula Scharler, Michael J. Kennish, Nicola Beaumont, Bruce Glavovich.

Important Areas of Coverage:

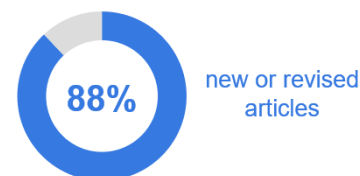
- Coastal Ecosystem Diversity 沿海生態系多樣性
- Physical Aspects 物理方面
- Biogeochemical Cycling 生物地球化學循環
- Structure and Function of Biological Communities and Coastal Ecosystems
生物群落和沿海生態系統的結構和功能
- Modelling and Prediction 建模與預測
- Problems, Solutions and Restoration 對河口和沿海系統的人為利用、影響和解決方案
- Management, Governance and Socio-economics 管理、治理與社會經濟



ELSEVIER

New or substantially revised areas in this edition include:

A whole new section on Climate Change and Coastal Ecosystems, covering the resistance and resilience of the estuaries, coasts and other transitional habitats to climate change, determining changes and responses needed over the coming decades



ISBN: 978-0-323-91042-2

<https://www.sciencedirect.com/referencework/9780323910422/treatise-on-estuarine-and-coastal-science>

Reference Collection: Earth Systems and Environmental Sciences

敬請推薦圖書館採購, 謝謝!



大統圖書股份有限公司

TA TONG BOOK COMPANY LIMITED

19F-12, No. 99, Section 1, Xintai 5th Rd.,
Xizhi District, New Taipei City 22175, Taiwan

22175 新北市汐止區新台五路一段99號19樓之12
TEL: (02)2697-5677 FAX: (02)2697-5688
E-mail: tatong@tatong.com.tw
<http://tatong.com.tw>