



Oceans and the Atmospheric Carbon Content

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Oceans and the Atmospheric Carbon Content, presents an interdisciplinary overview of the role of the oceans as a carbon sink and its relation with pH increasing trends and climate change. This volume discusses topics such as: climate variability during the last deglaciation, based on a high-resolution pollen analysis the potential impact of CO₂ from large metropolitan areas over the adjacent coastal zones and the importance of having high resolution atmospheric CO₂ data to estimate accurately air-sea CO₂ exchanges present- day CO₂ fluxes in the coastal ocean and their potential feedbacks under global climate change phytoplankton community responses to climate change with emphasis on decreasing pH trends in sea water and its ecological effects pH decrease and its effects on sea-water chemistry from a ten year time-series the effect of acidification on metal bioaccumulation the effects of increasing temperatures and acidification on contaminant dynamics and availability to biota the prevention of potential environmental impacts related to the geological sequestration of CO₂. The book provides an updated synthesis of current concerns related to global change trends in the oceans with a strong emphasis on acidification. The content draws attention to the importance of dealing with observed global change trends and their effects upon the oceans using an interdisciplinary approach due to their complexity and interlinks between different areas of knowledge.

- [The Obstetric Memoirs and Contributions of James Y. Simpson Volume 1](#)
- [The Ocean Queen and the Spirit of the Storm](#)
- [O Caderno Azul / the Blue Book](#)
- [O Debate Normativo Da Lingua Galega \(1980-2000\)](#)
- [Oeuvres, Volume 5...](#)
- [O Come, All Ye Faithful](#)
- [O Come, Emmanuel : Daily Prayers for Advent, Christmas and Epiphany](#)
- [Obstetrics: Normal and Problem Pregnancies Elsevier eBook on VitalSource \(Retail Access Card\)](#)
- [Obstetrics and Gynaecology in Tudor and Stuart England](#)