# [***Vivekananda College Researchers Provide Details of New Studies and Findings in the Area of Environmental Protection (Impact of brackish water aquaculture and mangrove degradation on global carbon balance: a review)***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:67Y3-P1H1-JBSP-12JD-00000-00&context=1516831)

Ecology Daily News

April 5, 2023 Wednesday

Copyright 2023 NewsRx, LLC All Rights Reserved



**Section:** ENVIRONMENT - ENVIRONMENTAL PROTECTION

**Length:** 432 words

**Body**

2023 APR 05 (NewsRx) -- By a News Reporter-Staff News Editor at Ecology Daily News -- A new study on environmental protection is now available. According to news reporting originating from West Bengal, India, by NewsRx correspondents, research stated, "One of the most productive and supportive ecosystems, the ***mangroves***, have faced a sharp decline of 1.04 million hectares globally, mostly due to population pressure and environmental changes related to the recent effects of global warming and climate change."

Our news editors obtained a quote from the research from Vivekananda College: "The loss of area, species migration, altered ecological services etc. are among the most discussed concerns, as evident from the volumes of literatures. However, these issues have overshadowed the fact that along with biodiversity, globally we are losing an important and efficient carbon sink - the ***mangrove*** lands. The lost ***mangrove*** patches and their conversion to aquaculture, agriculture, or simply settlement areas significantly alter the carbon budget. Sometimes conversion of ***mangroves*** to agriculture or aquaculture farms even reverses the roles and the sink has been reported to have become a source of carbon - alternatively known as ***blue carbon*** emission. This article provides an overview of the impacts of coastal aquacultures, particularly established in expense of ***mangrove*** lands and its consequence on global carbon budget."

According to the news editors, the research concluded: "It has been observed that this globally predominant land use change practices not only significantly reduce the carbon sink capacity but also frequently act as indirect source of the same."

For more information on this research see: Impact of brackish water aquaculture and ***mangrove*** degradation on global carbon balance: a review. The Holistic Approach to Environment, 2023,13(2):76-82. The publisher for The Holistic Approach to Environment is Association for Promotion of Holistic Approach to Environment.

A free version of this journal article is available at https://doi.org/10.33765/thate.13.2.4.

Our news journalists report that additional information may be obtained by contacting Rajarshi Mitra, Vivekananda College, Department of Environmental Science, Kolkata, West Bengal, India. Additional authors for this research include Varsha Sikder.

Keywords for this news article include: Vivekananda College, West Bengal, India, Asia, Agriculture, Environment, Environmental Protection.

Our reports deliver fact-based news of research and discoveries from around the world. Copyright 2023, NewsRx LLC

**Classification**

**Language:** ENGLISH

**Document-Type:** Expanded Reporting

**Publication-Type:** Newsletter

**Subject:** CONSERVATION (92%); ENVIRONMENT & NATURAL RESOURCES (92%); ECOLOGY & ENVIRONMENTAL SCIENCE (91%); EXPERIMENTATION & RESEARCH (90%); JOURNALISM (90%); LAND DEGRADATION (90%); NEWS REPORTING (90%); POLLUTION & ENVIRONMENTAL IMPACTS (90%); RESEARCH REPORTS (90%); AGRICULTURE & ENVIRONMENT (79%); BIODIVERSITY (79%); BLUE ECONOMY (79%); CLIMATE CHANGE (79%); EMISSIONS (79%); ENVIRONMENTAL RESEARCH (79%); LAND USE PLANNING (79%); SALTWATER ECOSYSTEMS (79%); LAND USE & DEVELOPMENT (78%); WRITERS (78%); ENVIRONMENTAL DEPARTMENTS (74%); GLOBAL WARMING (71%); ASSOCIATIONS & ORGANIZATIONS (62%); Agriculture;Environment;Environmental Protection (%)

**Industry:** AQUACULTURE (90%); NEWS REPORTING (90%); AGRICULTURE & ENVIRONMENT (79%); BLUE ECONOMY (79%); EMISSIONS (79%); LAND USE PLANNING (79%); WRITERS (78%); GLOBAL WARMING (71%)

**Geographic:** KOLKATA, WEST BENGAL, INDIA (73%); WEST BENGAL, INDIA (90%); INDIA (93%); ASIA (79%)

**Load-Date:** April 5, 2023

**End of Document**