# [***Researcher at Department of Higher Education Has Published New Study Findings on Climate Change (Importance of Blue Carbon in Mitigating Climate Change and Plastic/Microplastic Pollution and Promoting Circular Economy)***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:67KR-46P1-JBSP-125M-00000-00&context=1516831)

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**Section:** CLIMATE CHANGE

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**Body**

2023 FEB 20 (NewsRx) -- By a News Reporter-Staff News Editor at Biotech News Daily -- New study results on climate change have been published. According to news reporting originating from Srinagar, India, by NewsRx correspondents, research stated, "***Blue carbon*** has made significant contributions to climate change adaptation and mitigation while assisting in achieving co-benefits such as aquaculture development and coastal restoration, winning international recognition."

The news correspondents obtained a quote from the research from Department of Higher Education: "Climate change mitigation and co-benefits from ***blue carbon*** ecosystems are highlighted in the recent Intergovernmental Panel on Climate Change Special Report on Ocean and Cryosphere in a Changing Climate. Its diverse nature has resulted in unprecedented collaboration across disciplines, with conservationists, academics, and politicians working together to achieve common goals such as climate change mitigation and adaptation, which need proper policy regulations, funding, and multi-prong and multi-dimensional strategies to deal with. An overview of ***blue carbon*** habitats such as seagrass beds, ***mangrove*** forests, and salt marshes, the critical role of ***blue carbon*** ecosystems in mitigating plastic/micro-plastic pollution, as well as the utilization of the above-mentioned ***blue carbon*** resources for biofuel production, are critically presented in this research. It also highlights the concerns about ***blue carbon*** habitats. Identifying and addressing these issues might help preserve and enhance the ocean's ability to store carbon and combat climate change and mitigate plastic/micro-plastic pollution. Checking out their role in carbon sequestration and how they act as the major carbon sinks of the world are integral parts of this study."

According to the news reporters, the research concluded: "In light of the global frameworks for ***blue carbon*** and the inclusion of microalgae in ***blue carbon***, ***blue carbon*** ecosystems must be protected and restored as part of carbon stock conservation efforts and the mitigation of plastic/micro-plastic pollution. When compared to the ecosystem services offered by terrestrial ecosystems, the ecosystem services provided by coastal ecosystems, such as the sequestration of carbon, the production of biofuels, and the remediation of pollution, among other things, are enormous. The primary purpose of this research is to bring awareness to the extensive range of beneficial effects that can be traced back to ecosystems found in coastal environments."

For more information on this research see: Importance of ***Blue Carbon*** in Mitigating Climate Change and Plastic/Microplastic Pollution and Promoting Circular Economy. Sustainability, 2023,15(3). (Sustainability - http://www.mdpi.com/journal/sustainability). The publisher for Sustainability is MDPI AG.

A free version of this journal article is available at https://doi.org/10.3390/su15032682.

Our news editors report that more information may be obtained by contacting Suhaib A. Bandh, Department of Higher Education, Government of Jammu and Kashmir, Srinagar 190001, Jammu and Kashmir, India. Additional authors for this research include Fayaz A. Malla, Irteza Qayoom, Haika Mohi-Ud-Din, Aqsa Khursheed Butt, Aashia Altaf, Shahid A. Wani, Richard Betts, Thanh Hai Truong, Nguyen Dang Khoa Pham, Dao Nam Cao, Shams Forruque Ahmed.

ORCID is an identifier for authors and includes bibliographic information. The following is ORCID information for the authors of this research: Fayaz A. Malla (orcid.org/0000-0002-1483-7691), Irteza Qayoom (orcid.org/0000-0002-5645-0137), Shams Forruque Ahmed (orcid.org/0000-0003-3360-3636).

Keywords for this news article include: Department of Higher Education, Srinagar, India, Asia, Climate Change, Economies, Global Warming.

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