# [***Study Findings on Environmental Science Published by Researchers at Ocean University of China (Assessing the changes of the monetary value of mangrove ecosystem services in China and its application)***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:66TB-6921-JBSP-112D-00000-00&context=1516831)

Ecology Daily News

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**Body**

2022 NOV 07 (NewsRx) -- By a News Reporter-Staff News Editor at Ecology Daily News -- Data detailed on environmental science have been presented. According to news reporting out of Qingdao, People's Republic of China, by NewsRx editors, research stated, "With the development of marine economy and climate changing, the ecological value of ***mangrove*** ecosystem has become increasingly prominent."

Funders for this research include National Natural Science Foundation of China; Ministry of Natural Resources of The People's Republic of China.

Our news journalists obtained a quote from the research from Ocean University of China: "In this study, the ecological values of China's ***mangrove*** ecosystem services was evaluated based on the four services and nine functions of ***mangrove*** ecosystem. On this basis, the dynamic changing characteristics of the nine ***mangrove*** ecological values from 2001 to 2019 were analyzed. The results indicated that the top four service values were that of preventing coastal erosion, raw material supply, regulating water resources, and regulating climate and maintaining air quality. Significant changes were found in China's ***mangrove*** areas which increased during 2001-2013 and decreased during 2013-2019, while the unit area value of ***mangrove*** ecosystem services generally showed an upward trend. Subsequently, the evaluation results were applied to ***mangrove*** asset management with balance sheets, ecological compensation standard determination, and carbon trading in ***blue carbon*** sink."

According to the news reporters, the research concluded: "Based on the above analysis, the corresponding countermeasures and suggestions were proposed for ***mangrove*** protection and value application to guide effective management on ***mangroves*** and further to realize a higher ecological value of ***mangrove*** ecosystem."

For more information on this research see: Assessing the changes of the monetary value of ***mangrove*** ecosystem services in China and its application. Frontiers in Environmental Science, 2022,10. (Frontiers in Environmental Science - http://www.frontiersin.org/environmental\_science). The publisher for Frontiers in Environmental Science is Frontiers Media S.A.

A free version of this journal article is available at https://doi.org/10.3389/fenvs.2022.1018801.

Our news editors report that additional information may be obtained by contacting Chun-Yu Lin, School of Economics, Ocean University of China, Qingdao, People's Republic of China. Additional authors for this research include Chen-Yang Fu, Ying Liu, Meng-Qi Zhang, Yang Liu, Wan-Yu Wu, Li-Xia Wang, Xiang-Hong Lin, Xiu-Mei Fu.

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