

CENTRAL UNIVERSITY OF ODISHA, KORAPUT

OFFICE OF THE PUBLIC RELATIONS

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CUO PROFESSOR RECOGNISED AT INTERNATIONAL FORUM FOR RESEARCH ON CARBON MITIGATION

Dr. Kakoli Banerjee, Assistant Professor in Biodiversity & Conservation of Natural Resources at Central University of Odisha is among the 2 scientists from India who contributed her research work citing case studies from coastal Odisha and West Bengal in **Wetlands**, a Springer Journal published on **28th November 2023**.

The major contents of the paper titled '**Practical Guide to Measuring Wetland Carbon Pools and Fluxes**' include, carbon assessment in water, sediment and in mangrove and associate species including microbial community, which plays a major role in global carbon mitigation. In the era of climate change as well as the G20 Summit under leadership of PM Mr. Narendra Modi, CUO took a lead role for the first time in the country to develop standard methodologies for assessment of global warming and climate change solutions across the world. India has almost 75 Ramsar site wetlands which are deemed to be of international importance. Dr. Banerjee has laid down the carbon sequestration potential of mangroves and their associate species from Sundarban (West Bengal) and Bhitarkanika (Odisha). Case studies from both the states are mentioned in order to highlight the role of these salt marsh grass (wild rice) in accumulating carbon (62.75 gm m^{-2} to 74.96 gm m^{-2} in West Bengal) and (72.19 gm m^{-2} to 160.12 gm m^{-2}), thus reducing green house gas concentration from the atmosphere.

She authored this manual along with 54 scientists all over the world (USA, Canada, India, Sweden, China, Germany, Bangladesh and Australia). She is the only one women scientist from India as well as Odisha who authored this manual, which is a proud achievement for Central University of Odisha and India. **Vice Chancellor, Prof. Chakradhar Tripathi** wishes her on this success and blessed for her bright future ahead for Odisha and India. In addition to this **Prof. S.K. Palita, Dean**, School of Biodiversity & Conservation of Natural Resources, other faculty members and well wishers in the university wished her all success.

Dr. Phagunath Bhoi, Public Relations Officer