The Anthropocene: Climate Change, Human Impacts, and Coastal Ecosystems

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Abstract : (600 Word Limit)

Coastal zones, the world's most densely populated regions, are increasingly threatened by climate change stressors - rising and warming seas, intensifying storms and droughts, and acidifying oceans. Although coastal zones have been affected by local human activities for centuries, how local human impacts and climate change stressors may interact to jeopardize coastal ecosystems remains poorly understood. Here we provide a review on interactions between climate change and local human impacts (e.g., interactions between sea level rise and anthropogenic land subsidence, which are forcing Indonesia to relocate its capital city) in the coastal realm. We highlight how these interactions can impair and, at times, decimate a variety of coastal ecosystems, and examine how understanding and incorporating these interactions can reshape theory on climate change impacts and ecological resilience. We further discuss implications of interactions between climate change and local human impacts for coastal conservation and elucidate the context when and where local conservation is more likely to buffer the impacts of climate change, attempting to help reconcile the growing debate about whether to shift much of the investment in local conservation to global CO_2 emission reductions. Our review underscores that an enhanced understanding of interactions between climate change and local human impacts is of profound importance to improving predictions of climate change impacts, devising climate-smart conservation actions, and helping enhance adaption of coastal societies to climate change in the Anthropocene.

Important Of Research : (200 Word Limit)

Patients with UGIB between January to December 2017 were retrospectively analyzed regarding 30 day-mortality and composite endpoints risk of complications and need for intervention using areas under the receiver operating characteristics curve (AUROC). Subgroup analysis was conducted for patients with UGIB on admission and in-hospital UGIB.

Biography (200 word limit)

Coastal Ecology Lab, MOE Key Laboratory of Biodiversity and Ecological Engineering, School of Life Sciences, Fudan University, 2005 Songhu Road, Shanghai 200433, China. Division of Marine Science and Conservation, Nicholas School of the Environment, Duke University, 135 Duke Marine Lab Road,

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Info of Institute /Universities/Lab: *(200 Word Limit)*

The University of Oxford is a collegiate research university in Oxford, England. There is evidence of teaching as early as 1096,[2] making it the oldest university in the English-speaking world and the world's second-oldest university in continuous operation.[2][10][11] It grew rapidly from 1167 when Henry II banned English students from attending the University of Paris.[2] After disputes between students and Oxford townsfolk in 1209, some academics fled north-east to Cambridge where they established what became the University of Cambridge.[12] The two English ancient universities share many common features and are jointly referred to as Oxbridge. Oxford is ranked among the most prestigious universities in the world

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