

Editorial

UN reported that climate change and associated severe weather, droughts, fires, pests, and diseases are threatening the production of food around the world. It is important to address the stress on staple food like rice which has been discussed here in greater detail. Similarly, Coastal environments, its productivity and communities living there are facing global threats from sea-level rise, ocean acidification and ocean warming. The issue also addresses the aspects like coastal rainfall, SLR, biodiversity, blue carbon and other morphological modifications that happen due to these changes.

May 27, 2022



(AL. Ramanathan)

Editor-in-Chief

Snapshot 1



Erosion due to high tide at Chinnamedu.
(Photo credit: Dr. Kongeswaran Thangaraj)

Snapshot 2



Erosion due to high tide near shore at Kunrei Pattinan.
(Photo credit: Dr. Kongeswaran Thangaraj)

Contents

<i>Editorial</i>	i
□ <i>Snapshots</i>	ii
Quantitative Analysis of ABA and SA in Rice (<i>Oryza sativa</i> L.) Grown Under Drought Stress <i>Preeti Verma, Chandra Shekhar Azad and Pramod Kumar Singh</i>	1
Long Term Microscale Decadal Analysis of Coastal Rainfall Pattern: An Indication of Microclimatic Variation in South India <i>Glitsen Francis Pereira, Gurugnanam Balasubramanian, Chidambaram Sabarathinam, Santonu Goswami and Bairavi Swaminathan</i>	7
Local Knowledge of Coastal Population to Sea Level Rise and Climate Change – A Case Study in Fishermen Community, Kanyakumari District, Tamil Nadu, India <i>Yoganandan Veeran, R.S. John Bose and Selvaraj Kandasamy</i>	23
Impact of Climate Change on Biodiversity of Arctic Biome <i>Shaheen Manna, Dipanwita Das, Sayantika Mukherjee and Amrita Saha</i>	35
Assessment of Blue Carbon Stock of Coringa Mangroves: Climate Change Perspective <i>Karuna Rao, AL. Ramanathan and N. Janardhana Raju</i>	41
Spit Evolution and Shoreline Changes Along Manamelkudi Coast Using Geo-Spatial Techniques and Statistical Approach <i>Premkumar, M., Kongeswaran, T., Sivakumar, K., Muruganantham, A., Muthuramalingam, R., Chandramohan, S. and Vasanthavigar, M.</i>	59