

SIDE
EVENT

30th Oct 2024, Wed
1100H – 1400H
Room 2 – AICC

MONITORING OCEAN ACIDIFICATION IN THE TANGA-PEMBA SEASCAPE: PROGRESS, CHALLENGES AND OPPORTUNITIES



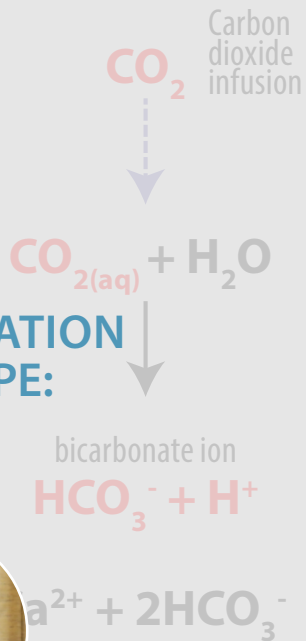
Rushingisha George



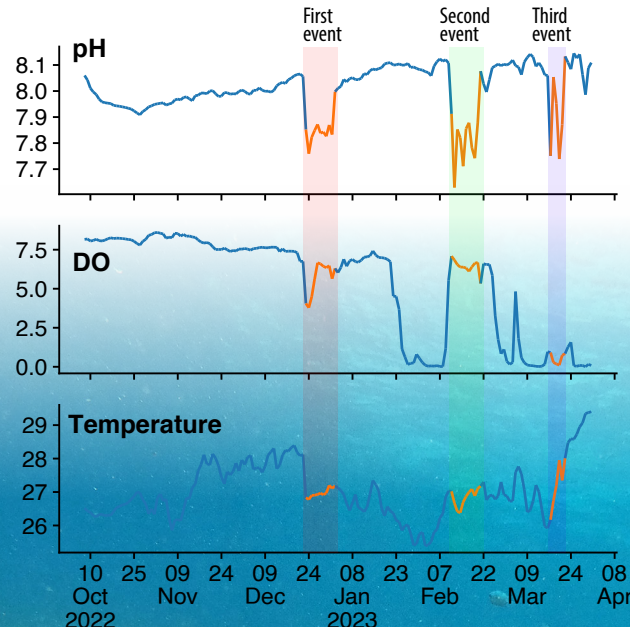
Samson Job



Masumbuko Semba



Scan to register



Oceanic Events

— Non-upwelling
— Upwelling

Ocean acidification in the Tanga-Pemba seascape is driven by increased CO_2 absorption, lowering seawater pH and affecting marine ecosystems, particularly coral reefs. Upwelling events, common in this region, bring deep, nutrient-rich, but also CO_2 -rich, waters to the surface, intensifying acidification effects. These processes threaten biodiversity, fisheries, and ecosystem services, making the seascape more vulnerable to climate change impacts and requiring careful management of marine resources.

