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CERTIFICATE

This is to certify that The mini dissertation entitled "Mangrove Vegetation(fauna-flora) of Sharavati Estury in Honnavar Uttarkannada of Western Costal Karnataka, India" submitted by VIJAYKUMAR B KOTTALAGI in partial fulfillment for graduation program B.sc CBZ combination in Zoology subject is based on field visit and observation done by him under my guidance and supervision.

This mini dissertation has not been submitted elsewhere.

Place : Gokak

Dr. Umesh. M. Shagoti

Date: 20 Jan 2023

Research & supervisor

IQAO Co-ordinator

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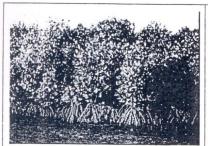


Figure 1.1: The 'Walking trees', Rhizophora mucrona on still roots



Figure 1.2. Breathing roots of Avicennia officinalis

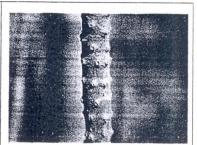


Figure 1.3: Officinalis-part of breathing root enlarged showing lenticels (air pores)



Figure 1.4. Knee roots of Bruguiera gymnorrhiza



Figure 1.5. The stem base of Kandelia candel showing buttresses and stilt roots



Figure 1.6: The stem base of Bruguiera gymnorrhiza with stilt roots



Figure 1.7: Serpentine roots of Excoecaria agallocha



Figure 1.8: Rhizophora mucronata showing viviparous propagules



Figure 1.9: Litter fall amidst the stilt roots of Rhizophora mucronata

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