

Epiphytic Algal Biomass On Pneumatophores Of Mangroves Of

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Epiphytic Algal Biomass On Pneumatophores

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Biomass of algae epiphytic on pneumatophores of the ...

The epiphytic algal biomass on pneumatophores of the grey mangrove *Avicennia marina* (Forssk.) Vierh., was estimated for the first time from the Indus Delta region during the northeast monsoon season. Its average value was 8.38±0.27mg DW cm⁻² of pneumatophores surface area and

EPHYPHIC ALGAL BIOMASS ON PNEUMATOPHORES OF MANGROVES OF ...

The pneumatophores of *Avicennia* have been found to support a rich flora of algae and other micro organisms. 15 species of algae belongs to various classes isolated The biomass of algae on pneumatophores were entirely different in the two sites. The comparison of pneumatophore density at the two sites indicate that, Kunchimangalam region have

STUDY OF THE EPHYPHIC ALGAE FROM PNEUMATOPHORES OF ...

Over a period of 4 years sampling was carried out for biomass determinations of algae epiphytic on pneumatophores of *Avicennia marina* (Forssk.) Vierh. The biomass showed trends towards high values in the warmer months and low values in the cooler period of the year. These trends were disrupted by abnormally

Biomass of algae epiphytic on pneumatophores of the ...

The distribution of algae epiphytic on pneumatophores of the mangrove, *Avicennia marina*, at different salinities in the Kosi System. Samples of algae epiphytic on the pneumatophores of *Avicennia marina* (Forssk.) Vierh. were collected at different seasons of the year. The distribution of this mangrove, which extends from the mouth of the estuary to Wankute island, approximately 6.5km upstream, covers a salinity range from 35‰ to 7‰ at its upper limits, and includes the Ukhalwe inlet in ...

The distribution of algae epiphytic on pneumatophores of ...

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Biomass of algae epiphytic on pneumatophores of the ...

Epiphytic algal cover and sediment deposition as determinants of arthropod distribution and abundance on mangrove pneumatophores Şerban Procheş (a1) and David J. Marshall (a1) (a1) School of Life and Environmental Sciences, University of Durban-Westville, P/Bag X54001, Durban 4000, South Africa

Epiphytic algal cover and sediment deposition as ...

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biomass of algae epiphytic on pneumatophores of the ...

The nature of the epiphytism of red algae and also the occurrence and possible role of other epiphytic micro-organisms within the superficial tissues of pneumatophores of *Avicennia marina* (Forssk.)

Epiphytic organisms on the pneumatophores of the mangrove ...

The nature of the epiphytism of red algae and also the occurrence and possible role of other epiphytic micro-organisms within the superficial tissues of pneumatophores of *Avicennia marina* (Forssk.)

Epiphytic organisms on the pneumatophores of the mangrove ...

Mangrove macroalgae produce substantial proportion of biomass, which contributes to the coastal ecosystems. Relatively less is known for the seasonal variation in the occurrence and biomass of mangrove associated macroalgae. Consequently, mangrove macroalgae epiphytic on the pneumatophores of *Avicennia marina* (Forsk.) Vierh., were sampled from the Miri estuary of Sarawak during the four ...

Seasonal Variation in the Occurrence and Abundance of ...

epiphytic algae are essentially facultative and are not specifically associated with a host species (Wahl and Mark, 1999), some are known as specific and obligate epibionts on certain hosts (Pearson and Evans, 1990). Actually, algal epiphytes play an important role in coastal benthic communities. They provide potential for

Ecological Studies of Epiphytic Microalgae and Epiphytic ...

community structure. In the field, algal biomass was positively correlated with pneumatophore density. Oysters, by contrast, were highly over-dispersed and correlated with the presence/ absence of pneumatophores. Epifaunal abundance and species richness were positively correlated with algal and oyster abundance, but their effects were independent.

Density-dependent facilitation cascades determine ...

Observations of coral-algal competition can provide valuable information about the state of coral reef ecosystems. Here, we report contact rates and apparent competition states for six shallow lagoonal reefs in Fiji. A total of 81.4% of examined coral perimeters were found to be in contact with algae, with turf algae (54.7%) and macroalgae of the genus *Lobophora* (16.8%) representing the most ...

Positive association between epiphytes and ... - PeerJ

4. There was a significant inverse relationship between epiphyton biomass and the standing crop of the host plant, suggesting a key role for light and water exchange in epiphyton development. 5. Replacement of floating-leaved by submerged plants would increase the total biomass of epiphytic algae and invertebrates.

Epiphytic algae and macroinvertebrates on submerged and ...

The richness of epiphytic algae had a trend similar to that of *P. crispus* coverage dynamics, first increasing during the first four months and then decreasing during the last three months (Figure 3).The richness of epiphytic algae reached a peak at approximately 20 species in the mid-April (Figure 3).A total of 33 epiphytic algae species belonging to 6 phyla were identified on *P. crispus* in ...

Frontiers | Effects of Water Quality Adjusted by Submerged ...

Seaweed epiphytic bacteria are highly host specific and their association is little known. The marine environment of Andaman Islands is rich in algal diversity and their association with microbial communities remains unexplored. We investigated the epiphytic bacterial communities from the intertidal red alga *Gracilaria canaliculata*.