

Epiphyte Diversity And Biomass Loads Of Canopy Emergent

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Epiphyte diversity and biomass loads of canopy emergent ...

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PDF Epiphyte diversity and biomass loads of canopy ...

We document for the first time the epiphytic composition and biomass of canopy emergent trees from temperate, old-growth coastal rainforests of Chile (42°30'S). Through tree-climbing techniques, we accessed the crown of two large (c. 1m trunk

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Epiphyte diversity and biomass loads of canopy emergent trees in Chilean temperate rain forests: A neglected functional component

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Emergent trees hold a high proportion of the regional diversity of epiphytes: 33% of all flowering epiphytes, and 50% of all filmy ferns described for Chilean temperate forests. Dry epiphyte biomass associated only with the emergent E. cordifolia trees in coastal forests was estimated in 10 t/ha. Epiphyte biomass may store up to 300 l of water in each emergent tree, and add 40-150% of photosynthetic biomass to the tree crowns.

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Epiphyte diversity and biomass loads of canopy emergent trees in Chilean temperate rain forests: A neglected functional component . 12 0 0 Descargar ahora. Ver PDF Texto completo Figure Referencias (1) ...

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Epiphyte diversity as well as distribution and composition of epiphytic biomass was investigated in two lowland and two montane rain forests in Ecuador. Species numbers of epiphytes per tree were slightly higher in the montane (22/41 in Los Cedros, 33/54 in Otonga) than in the lowland forests (9/43 in Yasuni, 19/32 in Tiputini), however differences were not significant.

Epiphyte diversity and biomass in the canopy of lowland ...

An epiphyte is an organism that grows on the surface of a plant and derives its moisture and nutrients from the air, rain, water (in marine environments) or from debris accumulating around it. Epiphytes take part in nutrient cycles and add to both the diversity and biomass of the ecosystem in which they occur, like any other organism.

Epiphyte - Wikipedia

Epiphyte diversity and biomass 677 Whitney U-test was performed to test for differences in epiphyte species number, cover and biomass. Spearman's rank correlation coefficient was calcu-lated to test the relationships between epiphyte diversity and biomass. RESULTS Epiphyte diversity The number of epiphytes per tree varied between 33-54 species in Otonga,

Epiphyte Diversity and Biomass in the Canopy of Lowland ...

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status of epiphyte diversity and abundance are indispensable. Here, we present quantitative information on species richness of vascular epiphytes and biomass of vascular and nonvascular epiphytes in a TMCF in western Panama (1,150m above sea level [asl]). To this end, we sampled trees of many species across a range of stem diameters at breast height (DBH).

Species Richness and Biomass of Epiphytic Volume 10-1117 ...

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hypothesised that the epiphyte biomass within the system would be negatively correlated with grazer richness and that habitat richness would be positively linked with grazer abundances. 2.

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The abundance of epiphytes has been assumed to be important in explaining the high diversity of tropical canopy arthropods. In this study we assessed the possible role that the presence of epiphytes may have on the diversity and abundance of canopy insects in an experimental study conducted in a coffee plantation in Coatepec, Veracruz, Mexico.

The contribution of epiphytes to the abundance and species ...

In tropical montane forests epiphytes represent a substantial proportion of biodiversity and green biomass, particularly where fog occurs almost daily. Epiphytes play important ecological roles in ...

Species Richness and Biomass of Epiphytic Vegetation in a ...

An 89% increase in epiphyte abundance was seen after six weeks of experimental invertebrate reductions within the system. Using generalised linear mixed-effect models and path analysis, we found that the abundance of invertebrates was negatively correlated with epiphyte load on seagrass leaves.

Diversity I Free Full Text I Richness of Primary Producers ...

Besides the epiphyte diversity the epiphytic biomass also changes with alti- tude in tropical regions (Wolf 1993), but only very few comparative studies had been made.