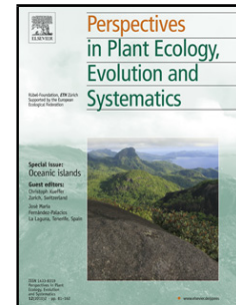


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Focusing on individual species reveals the specific nature of assembly mechanisms in a tropical dry-forest.

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Highlights

- The three complementary pillars of taxonomic, functional and phylogenetic diversity in a framework of point pattern processes helps to disentangle the role of plant to plant interactions.
- The assembly of diversity is controlled by environmental heterogeneity and both facilitative and competitive biotic processes.

ABSTRACT

We employed an individual-species approach based on the plant's eye perspective to disentangle the effects of individual species on community assembly in a dry tropical forest

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