

Interaction network: a plant-visitor approach

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Abstract: Selectivity of plant-visitors could structure a whole community through complex networks that have emergent propriety. The interactions could be specific for each plant, for example a group of insects may prefer a specific kind of plant for visiting. It depends on the resources that each flower will provide. But, the understanding of the process of some interactions (e.g. pollination) is still unknown, particularly in amazon rainforest that have a huge diversity of insects and plants. Considering this we formulated two questions (i) there is a difference between the plant visitor's composition in the different plants? (ii) Do near plants share similar plant-visitors? We collected, with the entomological nets, all the potential pollinator that visit flowers of four specific plants, and three different insect orders more associated with pollination. Our results presented also that a different preference of the insects choice among the plants (for floral resources). The interactions divided in two groups of plants, the near plants shared the most visitors, when compared with the plants that were more distant.