

Review of: "An Ecological Study of *Alstonia Venenata* R.Br. (Apocynaceae: Rauvolfioideae) and *Cryptolepis Buchanani* R.Br. ex Roem. & Schult. (Apocynaceae: Periplocoideae)"

Leonardo O. Alvarado-Cárdenas¹

¹ Universidad Nacional Autónoma de México

Potential competing interests: No potential competing interests to declare.

The manuscript is an interesting approach to begin detailed work on these groups. There are important data on floral visitors and floral morphology. However, there are many details that need to be made very clear, explicit, and detailed to answer the objectives. The manuscript has very important information, indeed, such as the use, but is not clearly related to the topic pointed to in the title and objectives. An important point is that the systematics of the family proposes that there are 3 subfamilies: Periplocoideae, Secanomoideae, and Asclepiadoideae, and two informal and paraphyletic groups: Rauvolfioides and Apocynoides.

The section on materials or methods requires more detail. It does not explain many aspects that would give clarity to the objectives and results. Some of the questions that arise are: how much sampling was done? What method was used to determine the visitation rate of the visitors and potential floral pollinators? How does the morphology of the pollinators relate to the morphology and phenology of the flowers of the different species? How were the observed individuals determined to be the species, and where were the specimens of the given plants deposited?

In the discussion, there are descriptions of the species that may be useful, but how do they differ from existing descriptions of the taxon, and how do they relate to the objectives? In this species, as in the others, there is a lot of mixed information, and it does not respond in a timely manner and with sufficient literature to the objectives stated by the authors. There are mentions of uses in these descriptions, which are not relevant to the study.

The authors are on the right track to explain an important phenomenon in these plants. However, they need to clearly establish a well-related flow that is well related to the objectives, methods, and discussion.