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Journal Name:	Asian Journal of Research in Botany
Manuscript Number:	**Ms_AJRIB_50381**
Title of the Manuscript:	**Morphological traits as indicators of bitterness in traditional vegetables; the case of spider plant (Cleome gynandra) in Kenya**
Type of the Article	**Original Research Papers**

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.
To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Compulsory REVISION comments	**MATERIALS AND METHODS**: Provide the information about the geographic coordinates of each of the six agro-ecological zones locations. Also provide climate and soil information of the sampled sites. Explain the process of germination of 56 accessions of spider plant seeds, likewise the substrate used for this purpose. **ORGANOLEPTIC CHARACTERIZATION** Specify design and sample size. **DATA ANÁLISIS** Taking into account the information given in table 1 on "Collection sites for *Cleome gynandra"* which has a large number of accession (56) from 6 agroecological zones, using the nonparametric statistical chi-square is not enough . From my point of view it should applying a nonparametric ANOVA (Kurskal-Wallis test for exemple) instead chi square. The methodology proposed "Qualitative data collected was analyzed using descriptive and inferential statistics such as frequencies, chi-square test using SPSS (Statistical Package for Social Sciences) version 21." However, the application of inferential statistics for qualitative data collected, is totally confused and uncomprehending. It requires higher specifications. Qualitative variables on Variation in leaf bitterness and Variation in four qualitative characters were not applied any statistical analysis (Chi-square for example) as shown in the methodology.	
Minor REVISION comments	**INTRODUCTION:** To publicize the information on the following aspects: a) the	

	distribution and b) the economic importance of spider plant in Kenya. **RESULTS AND DISCUSSION- Propagation of spider plant** It is important to discuss and compare the results on "propagation of spider plant" with similar results from other authors, thus avoiding a discussion of such literature review (numbers). All results presented in the section of results & discussions, were not adequately discussed with the similar findings of other authors. It is worth mentioning that the results were interpreted as a literature review without adequate discussion. Regarding the table 6, specify the corresponding models: a) Leaf waxiness; b) Color of the Main Stem; c) Stem pubescence; d) Leaf blade color (Y = a + βXi ....).	
Optional/General comments		

PART 2:

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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