Journal Name:	Journal of Agriculture and Ecology Research International
Manuscript Number:	**Ms_JAERI_43781**
Title of the Manuscript:	**Morphological characterization of certain ornamental cacti genera suitable for tropical climatic regimes**
Type of the Article	**Original Research Article**

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lac k of N o v elty'**, 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	**INTRODUCTION** **Paragraph 1 -** make a better review about the importance of the ornamental plant market (exemplify with volume marketing value worldwide and in your country). **Paragraph 2 -** make a better review on the Cactaceae family (e.g. growth habits, number of genera and species, geographic distribution, uses and others) - add the information given in paragraph 3 here. Check the correct number of subfamilies based on APG IV; **Paragraph 6 -** xerophilous family??? **Paragraph 7 "…. them vulnerable to be used in the various aspects…."** - Not a good word .... Best to use "what makes it possible to use"; **MATERIAL AND METHODS -** Which country? Talk about the climatic classification, vegetation formation, soil classification of the place. The name of the authors of the species should be used the first time it appears in the text. Please add the name of each author of the mentioned species; **"Seven different genera of cacti …."** → Seven species of different genus of Cactaceae .... Why were these species chosen? What is the purpose of the work? The morphological characterization of these species already exists .... Was the morphology evaluated in different environments? What has been compared? how many individuals per species were evaluated? What is the experimental design? SPSS (Nei, 1978)??? **Tables 1 and 2 – "Treatments"** → This column is not of "treatment", they are of the "species" evaluated - No statistical analysis was performed. Tables are purely descriptive.	**Introduction** 1. Minor Corrections have been carried out as indicated in the review by the reviewer. 2. Minor Corrections have been carried out as indicated in the review by the reviewer. 3. The classification was given based on the given reference. 4. Xerophilous family - a general terminology to represent all the plant species belonging to various genera that requires minimum water for their growth owing to their various morphological and anatomical adaptations. 5. It has been replaced as follows. "which makes them a versatile species to be used" **Materials** 1. The experiment was conducted in India. The experimental site falls under tropical climate (Maximum and minimum temperature details and soil particulars have been included in the revised manuscript.) 2. Corrections have been carried out as indicated in the review by the reviewer. 3. Corrections have been carried out as indicated in the review by the reviewer. 4. Based on the growth form and adaptability to the tropical climatic conditions, the species have been selected for the study. 5. The work contains two parts in which one part is for the evaluation of various cacti for their morphological characterization and other part consists of grafting studies. For the purpose of selection of rootstocks and scion, this part of work was carried over. 6. Previously no morphological characterization work was carried over except their basic botanical description. The present experiment aims only at evaluation of selected cacti species under tropical climatic conditions. 5 individuals per species have been evaluated an d the experimental design used for CRD, as it is a controlled environmental study with homogenous growing and edaphic condition. 7. SPSS is a software used for statistical analysis and the reference details are given in the reference section. **Tables** 1. The word treatment was used only because it is a common terminology generally used in all the research papers. It can be renamed as species if the Editor of the journal wishes so. 2. The tables are purely descriptive as the growth and performance of the various cacti cannot be compared over each other owing to their various growth habit forms. For instance, *Mannillaria beneckei* have a pincushion form that has no ribs whereas all the other species have varying number of ribs. In this case, it is not possible to statistically analyse the tables and it is not required to analyse the table in this study.

Minor REVISION comments	**ABSTRACT -** It is not necessary to mention the name of the title in the Abstract, the place where the work was done and the time of the experiment. **KEYWORDS -** Do not use words that were used in the title in the keywords. Use others. This increases the chances of your work being found.	Minor revisions has been carried over for the said corrections in the revised manuscript.
Optional/General comments	I suggest putting a map with the location of the study area and photo of the evaluated species.	Photos have been added in the revised manuscript. Since, the experiment was carried out in a Glass house (A closed protected structure), the performance is not influenced by the geographical position but by the microclimate prevailed inside the glass house during the evaluation period and the climatic details is mentioned in the revised manuscript and hence the map of the study area doesn't seems necessary.

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)*	