



SDI Review Form 1.6

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_42289
Title of the Manuscript:	MORPHOPHYSIOLOGY OF CASHEW ROOTSTOCK UNDER SALINE WATER IRRIGATION AND POTASSIUM SILICATE DOSES
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 '**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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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	Title should be changed because there are some physiological measurements in manuscript and this research was conducted on seedlings. Suggested title is “PHYSIOLOGICAL AND MORPHOLOGICAL CHANGES OF CASHEW SAPLING UNDER SALINE WATER IRRIGATION AND POTASSIUM SILICATE DOSES” Or “EFFECTS OF SALINE WATER IRRIGATION AND POTASSIUM SILICATE DOSES TO PHYSIOLOGICAL AND MORPHOLOGICAL CHANGES ON CASHEW SAPLING” Sapling or seedling??? It should be clarify. Sapling for fruits, Seedling for vegetables. Grafted seedlings is different than grafted sapling. In line 26, it is seedling but cashew is fruit ???? Writing rules of journal should be checked and manuscript should be re-arranged according to author guide. The importance and usage of cashew as rootstock should be described in introduction part. There is no any knowledge about cashew rootstock. Is it most common rootstock? for what? Is there any problem for its production? In all text cashew use as “cashew rootstock”. It is tropical tree and not only use as rootstock. It is better to say cashew in whole text. According to obtained results, its rootstock performance and tolerance to salinity can be emphasized. Using abbreviation should be corrected. After open name, abbreviation should be given in parenthesis when they use first time. Than only abbreviation should be given in text. But in this text, some times abbreviation some times whole name of abbreviation had used. Writing of reference should be checked (Line 54, 58, 73, 101, 110, 241, 260). For example in line 54, it should be based on according to Sousa et al. [8]. In line 58, it should be proposed by Novais et al. [9]. ... ect. Tables order should be corrected. Some times ECw if first, some time potassium silicate doses is first. It is better to give ECw first. Tables should be put after related subject (related paragraph). Writing mistakes should be corrected.	Dear reviewer, We greatly appreciate the contributions made! But in relation to the term in the title MORPHOPHYSIOLOGY already encompasses the physiological variables analyzed, as well as the morphological. In relation to the terms Sapling and seedling, according to some dictionaries: Sapling: A young tree, especially one with a slender trunk. a young tree. Seedling: 1. a plant grown from a seed, rather than from a cutting, etc. 2. any young plant; esp., a small, young tree (Webster's New World College Dictionary, 4th Edition. Copyright © 2010 by Houghton Mifflin Harcourt). So we can include fruits and vegetables in the term Seedling, an example of scientific work: https://pdfs.semanticscholar.org/f0a1/fb91734ab3b449e634bd94adc584c690de8e.pdf file:///C:/Users/jeant/Downloads/5057-27705-2-PB.pdf in this case I will use the term "saplings" as proposed. The rootstock consists of a seedling that will be used for grafting, joining the tissues of the seedlings with the apical bud of an adult plant, which presents better productive characteristics (higher genotypes). This is a common practice to increase the profit of an orchard. Details of a grafting process are discussed in the following file: https://ac.els-cdn.com/S0960982215000603/1-s2.0-S0960982215000603-main.pdf?_tid=3ca6d7bb-6e0b-4ee9-82ec-ee96431a7557&acdnat=1527961430_67b14b13fa3123e008487aa92b6a0729 As rootstocks will serve to sustain and nourish the new plant with a superior genotype, it is of the utmost importance that they do not undergo stress in their production, a fact that is usually observed in semi-arid regions due to the lack of quality water. In this case of the article, the term cashew rootstock becomes important because they need more care in their formation than when produced without the intention of grafting, because they do not have time to recover from a stress suffered in their production. As seedlings are usually grafted by the full slit method, depreciation on the quality of the rootstocks consists of loss of seedlings and money. In relation to the emphasis given in the material used in the experiment, "Creole", it is to specify that it was in this genetic material the results obtained. because if the work is developed with other material, it may not present similar results to the article in question. But if after this information you want the title and the other words to be changed, I will follow your corrections.
Minor REVISION comments	ABSTRACT After sub-title use capital letters as: the present study.... The present study... august and November.....August and November... irrigation with 1.7 dS/m.....Irrigation.... irrespective of..... Irrespective of..... Study design and methodology start same sentence with randomized block design. Sentences should be changed. In result part in abstract, second sentence should be start small letter. cashew; the	corrections made!



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	estimated.... INTRODUCTION Anacardium occidentale should be italic Line 22-25: effects of rootstocks on biotic and abiotic stress should be added. Line 31-32: there are two “besides”, one of them should be changed. Line 36: the aim of this study should be extended. Autor(s) test to effects of saline water and potassium silicate to physiological and morphological changes of cashew in sapling stage. If this cultivar “crioulo” use as rootstock, they should explained this. Or if they test to its rootstock performance, aim should be changed on this way. This part is not clear. MATERIAL AND METHODS Line 55: after potassium silicate, formula of its should be given in parenthesis. Line 62, 79: capital letters should be used as Production..., Application... Line 63: delete “The plant material was the”. It is same with line 59. Line 72: change soil as “used substrate” Line 76-78: exponential numbers should be corrected. Line 88: use paragraph after 200 ml per plant. RESULTS AND DISCUSSIONS Line 146: ECw of 3.1 dS/m... it should be of, delete 0 Line 176: writing of CO₂ should be corrected Line 205: at 75 DAS should be put after parenthesis Line 207: delete (SxKD) Line 224: point should be put after parenthesis as [18]. Line 245: writing of AGRSD should be corrected CONCLUSION Conclusion should be re-arranged according to aim of this study. Cashew is tolerant to salinity or not? Can we use in saline condition? Can we decrease of negative effects of salinity with potassium silicate application?... REFERENCES Check author guide	
<u>Optional/General</u> comments	It can be published after minor revision.	