

**Review Form 1.7**

Journal Name:	<b>Asian Plant Research Journal</b>
Manuscript Number:	<b>Ms_APRJ_112022</b>
Title of the Manuscript:	<b>Morpho-Physiological Alteration of Mangifera Indica L. in Response to Sea Water Induced Salt Stress</b>
Type of the Article	<b>Original Research Article</b>

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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)
<p><b>Compulsory</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<ol style="list-style-type: none"> <li>1. This manuscript is important for the scientific community for several reasons:  It provides new insights into the effects of salinity on mango seedlings. The authors' findings demonstrate that mango seedlings are sensitive to salinity and that their growth and physiological processes are adversely affected by increasing salinity levels. This information is valuable for understanding the limitations of mango cultivation in saline environments and for developing strategies to improve mango seedling tolerance to salinity.  It is well-designed and executed. The authors used a rigorous research design and methodology, including a Randomized Complete Block Design (RCBD) with five replications. This ensures that their findings are robust and can be generalized to other mango seedling populations.  It has clear implications for agriculture and food security. Mango is an important fruit crop in many tropical and subtropical regions, and salinity is a major threat to its production. The authors' findings have practical implications for developing salinity-tolerant mango varieties and for managing salinity in orchards.  Overall, the manuscript provides valuable new insights into the effects of salinity on mango seedlings and has clear implications for agriculture and food security. It is therefore an important contribution to the scientific literature and should be of interest to scientists, growers, and policymakers working in the field of horticulture and agricultural development.</li> <li>2. Title is long and does not accurately reflect the main content of the paper. A better title would be: <b>“Salinity-Induced Morpho-Physiological Alterations in Mango Seedlings (Mangifera indica L.)”</b></li> <li>3. Abstract is comprehensive. It provides a clear and concise overview of the research question, methods, results, and conclusions. It also highlights the key findings of the study and their implications for understanding the effects of salinity on mango seedlings. The abstract is well-written and easy to understand, and it provides enough information to attract potential readers to the full paper.</li> <li>4. The subsections and structure of the manuscript are generally appropriate. The manuscript follows a logical flow, starting with an introduction that sets the context for the study, followed by a detailed methods section, clear and concise results presentation, and a discussion that interprets the findings and draws conclusions.</li> <li>5. The manuscript appears to be scientifically correct. The authors have conducted a well-designed experiment, used appropriate statistical methods, and presented their results clearly and concisely. The manuscript is also well-written and easy to understand.</li> <li>6. The references in the manuscript are generally sufficient and recent. The authors have cited a variety of relevant studies to support their findings and provide context for their work. However, there are a few areas where the references could be strengthened, such as: Expand coverage of salinity stress in mango, incorporate research on proline and salinity tolerance, consider studies on salinity tolerance strategies, incorporate studies on salinity stress in different mango cultivars.</li> </ol>	

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<b>Minor</b> REVISION comments	Minor revision requested	
1. <b>Is language/English quality of the article suitable for scholarly communications?</b>	The language quality of the article is generally suitable for scholarly communications. The manuscript is written in clear, concise, and grammatically correct English. The authors have also used appropriate scientific terminology and have avoided any jargon or overly technical language. However, there are a few minor areas where the language could be improved: Proofreading and grammar and clarity and conciseness.	
<b>Optional/General</b> comments	The introduction of the manuscript should more comprehensively discuss past studies. Also, number of references should also be increased.	

### **PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

### **Reviewer Details:**

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