

## Review Form 1.7

Journal Name:	<a href="#">Asian Journal of Agricultural and Horticultural Research</a>
Manuscript Number:	Ms_AJHR_100871
Title of the Manuscript:	Identification of Egyptian Mangrove species based on DNA barcoding
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:

(<https://www.journalajahr.com/index.php/AJHR/editorial-policy> )

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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. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</li> <li>2. Is the title of the article suitable? (If not please suggest an alternative title)</li> <li>3. Is the abstract of the article comprehensive?</li> <li>4. Are subsections and structure of the manuscript appropriate?</li> <li>5. Do you think the manuscript is scientifically correct?</li> <li>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</li> </ol> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p><b>The study is interesting insofar as it deals with the molecular aspects of the Mangrove. The species indeed has a crucial environmental role.</b></p> <p><b>Yes, the title describes clearly the article.</b></p> <p><b>Yes, the abstract reflects clearly the article's content.</b></p> <p><b>Yes, generally the material and methods section is described correctly. The introduction section required minor corrections. The attached file (Remaks) contains the corrections.</b></p> <p><b>Yes, the methodology and structure of the article are scientifically correct.</b></p> <p><b>the references are recent and well written</b></p> <p><b>Figures containing more than one image or figure should be captioned. Figure 4 is well captioned. Some figures are not legible</b></p>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. Is language/English quality of the article suitable for scholarly communications?</li> </ol>	<p><b>Overall, the text is well-written and presents clear scientific information in a clear and concise manner.</b></p>	
<p><b>Optional/General</b> comments</p>	<p><b>There are a few minor errors in grammar and spelling in the text. Here are some corrected sentences:</b></p> <p><b>Abstract</b></p> <ul style="list-style-type: none"> <li>- "These plants are resilient to various environmental challenges; they are also one of the most efficient terrestrial and coastal ecosystems for carbon fixation and storage." <b>(Change "ecosystems" to "ecosystem")</b></li> <li>- "In this work, the two Egyptian mangrove species were assessed through morphological, cytological, and molecular approaches." <b>(Add a comma after "cytological")</b></li> <li>- "According to pairwise alignments, the rbcL region had the largest level of variability (73.2%), whereas the ITS region was the least variable (11.96%)." <b>(Change "largest level" to "highest level" for clarity)</b></li> </ul> <p><b>Introduction</b></p> <p>"Their capacity to expand in these conditions is associated with morphological and physiological adaptations, such as stagnation, aerial roots, Secondary metabolites and salt excretion mechanisms." <b>(lowercase "Secondary" to "secondary")</b></p> <p>"However, mangrove forest area worldwide decreases by 1% to 2% annually due to oil spills and deforestation (FAO, 2003)." <b>(Add a comma after "annually" for clarity)</b></p> <p>"Between 30°N and 30°S of the equator, mangrove forests can be found in temperate climates." <b>(Change "temperate" to "tropical")</b></p>	

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	<p>"A. Marina is relatively more tolerant and adapted to salinity, lower precipitation, and extreme temperature conditions than R. mucronata. This explains the larger global and local distribution (in Egypt) of A. marina compared to R. mucronata." <b>(Add a comma after "conditions")</b></p> <p>"There are still few research articles on DNA barcoding in a mangrove area." (Add "the" before "mangrove area»)</p> <p>"For more extensive DNA barcoding applies in ecological research on mangrove vegetation, the rbcL and ITS markers provide early evaluation data that will be helpful." <b>(Change "applies" to "applications")</b></p> <p><b>Discussion</b></p> <p>In the sentence "The success percentage of ITS sequencing in the tropical cloud forests of Hainan was 47.20% 5.76%, according to Kang et al. (2017)," <b>there should be a plus sign instead of a space between the two numbers: "47.20%+5.76%."</b></p> <p>In the sentence "The large number of segregation sites and subsequent significant nucleotide diversity observed in the studied species are caused by the abundance of species in this genus, and the current data are consistent with earlier observations of this phenomenon in many tropical plant species (de Melo Moura et al. 2019)," <b>"segregation" should be "variable" to match the context.</b></p> <p><b>Overall, the text is well-written and presents clear scientific information in a clear and concise manner.</b></p>	
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**PART 2:**

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

**Reviewer Details:**

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