



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Journal of Agriculture and Ecology Research International
Manuscript Number:	Ms_JAERI_33497
Title of the Manuscript:	Pollen characterization of Rhizophora species in Nigeria
Type of Article:	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
The authors made some changes only in the methodology section. The other suggestions were not noticed in the manuscript. Previous Comments: The manuscript needs a thorough edit by a native English speaker. Authors need to review the similarities with the texts listed in section PART 2. The work needs a review and rewrite the methodology. As well as improvements in the text of the results and discussion.	OK.
Introduction: Review the second paragraph. It is very long and there is no reference in the last sentences. Consider updating references.	The length has been addressed. Statements that need references was addressed.
It deals comprehensively with the importance of the species to Nigeria, but it does not make clear the usefulness of the information of the pollen morphology for the conservation of this <i>Rhizophora</i> species. What is the real need for the pollen characterization of <i>Rhizophora</i> species? What is the botanical family of <i>Rhizophora</i>?	to establish a pollen album of the different <i>Rhizophora</i> species existing in the Niger Delta and possibly to infer taxonomic relationships in this taxon is the subject of this write up. However, the topic has been recast to reflect the aim Rhizophoraceae
Objective: not consistent. Review. Suggestion: The objective of the study is to characterize <i>Rhizophora</i> pollen found in areas of Nigeria mangroves for possible identification of species occurring in the region. For this, the authors used palinotaxonomy as a tool to separate the probable botanical species. It is advisable to collect and systematically identify the plants studied.	That is not the aim. The aim is to create a pollen album for the taxon hence the huge number collected in the entire Delta over a 4 year period.



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Methodology: It is very lacking in information. Restricted to sampling point information. How was the collection of the pollen samples collected? Explain how the samples were prepared. Did you use Erdtman's method (1952 or 1960)? How did you prepare the blades with pollen content? What kind of microscope and camera did you use to capture the images? What software used to measure pollen types? How many pollen grains were used for morphometric measurements? Results: Improve the text, present the results in a descriptive way. The authors put the tables without further information to facilitate the reader's understanding	All these comments were addressed. See improvements on methodology All the 364 were used for the morphometric measurements. Addressed.
In the plates who are the pollen of group 1 ... 5 did not explain in methodology. The legend is not self-explanatory In table 2 we do not know if the description of the grain belongs to group 1 ... 5. Does the genus <i>Rhizophora</i> have many species? Table 3 should be included in the results section.	The pollen characters for the 364 samples yielded five different shapes of the tricolporate pollen . These shapes shown in plates 1-5. These five different pollen types were termed OTUs It is spelt out. See the left hand column. Table 3 was expunged since it contains the information in table 2.
Discussion: Very confusing. Why the characterization of the <i>Rhizophora</i> species through the pollen grain? It would be interesting to collect the plants and make systematic identification of the species. Check the writing of the name <i>Rhizophora</i>, because it is not highlighted in the text (italics) in some paragraphs. Make clear the relevance and usefulness of this information obtained. Detected	The aim of the research had earlier been stated. Ok OK



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Authors need to review the similarities with the texts listed below. <u>Landsat Enables World's Most Comprehensive Mangrove ...</u> Found text: Mangrove forests are among the most productive Url: https://landsat.gsfc.nasa.gov/landsat-enables-worlds-most-comprehensive-mangrove-assessment/7/1/1/2 - In: Plagium MS - Status: Unavailable - Nível: 13.9% <u>Marine Bio Continued - Marine ecosystems are among the largest of ...</u> Found text: Mangrove forests are among the most productive Url: https://www.coursehero.com/file/8757980/Marine-Bio-Continued/7/1/1/4 - In: Plagium MS - Status: Unavailable - Nível: 13.2% <u>Marine ecosystem - Wikipedia</u> Found text: Mangrove forests are among the most productive Url: https://en.wikipedia.org/wiki/Marine_ecosystem/7/1/1/1 - In: Plagium MS - Status: Unavailable - Nível: 14.6%	OK . Statement has been recast
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