

**Review Form 3**

Journal Name:	<a href="#">Journal of Agriculture and Ecology Research International</a>
Manuscript Number:	Ms_JAERI_125510
Title of the Manuscript:	<b>Seed germination and growth of <i>Irvingia gabonensis</i> (Aubry-Lecomte ex O'Rorke) Baill. (Irvingiaceae) seedlings in a controlled environment east of Taï National Park (Buyo, South-West of Ivory Coast)</b>
Type of the Article	

[Review Form 3](#)

**PART 1: Review Comments**

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p><b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>For the scientific community as a whole, and especially for those researching agroforestry, tropical ecology, and sustainable agriculture, I believe this work is extremely important. Because of the species' importance to West African ecology and economy, <i>Irvingia gabonensis</i>, also referred to as bush mango, is the subject of this study. Its study offers important insights into the cultivation potential of this species, which could support conservation efforts and enhance food security, by studying its seed germination and growth under controlled circumstances. Although the book may benefit from a more thorough examination of the possible environmental variables, I value the meticulous experimental design and the biological background that the area near Taï National Park provides.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>The title should be concise and well representations of the manuscript in a simplest manner as possible. It would be better if it goes a more simplistic way for the international reader like-            "Growth Dynamics of <i>Irvingia gabonensis</i> Seedlings under Controlled Conditions in the Vicinity of Taï National Park, Ivory Coast"            "Controlled Environmental Conditions and their Effect on <i>Irvingia gabonensis</i> Seedlings in South-Western Ivory Coast"</p>	
<p><b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b></p>	<p>The abstract of the article provides a clear summary of the research focus, detailing the study of seed germination and growth of <i>Irvingia gabonensis</i> under controlled conditions. However, to make it more comprehensive, I would suggest the following improvements:</p> <ol style="list-style-type: none"> <li>1. <b>Addition of Key Results</b> (Add some key findings)</li> <li>2. <b>Clarification of Experimental Design</b> (While the controlled environment is mentioned, the abstract could briefly outline what specific conditions (e.g., temperature, humidity, light exposure) were controlled. This would give readers a better sense of the experimental approach)</li> <li>3. <b>Practical Applications</b> (It would be useful to include a sentence on how this research could contribute to broader ecological or agricultural practices, such as conservation efforts or improving local farming techniques for sustainable production)</li> </ol>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>The subsections and structure of the manuscript appear appropriate overall, with a logical flow from introduction to methodology, results, and discussion. However, a few minor adjustments could enhance the clarity and readability of your methodology I guess. The sequence could be better and there is no such specific information about the statistical analysis and methods of finding significance of the results.</p>	
<p><b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>The manuscript's clear experimental design and adherence to accepted practices for researching seed germination and growth make it both technically and scientifically sound. Controlled environmental conditions are used to isolate the impacts of particular variables on <i>Irvingia gabonensis</i> seedlings and guarantee consistent findings. Furthermore, it looks that, the statistical analysis of the data was done correctly and produced reliable results. The study offers valuable insights into a species that is significant from an ecological and economic standpoint, and the approaches used are suitable for answering the research goals.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b> :</p>	<p>I suggest adding more recent references, particularly those that discuss recent advances in <b>controlled environment studies</b> and <b>germination techniques</b> for tropical species like <i>Irvingia gabonensis</i>. Additionally, studies on <b>conservation agriculture</b> and <b>sustainable land-use practices</b> in the context of tropical ecosystems would enrich the manuscript's foundation.</p>	

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Minor REVISION comments <b>Is the language/English quality of the article suitable for scholarly communications?</b>	The language and English quality of the article appear generally suitable for scholarly communication. A careful review for minor grammatical errors, punctuation, and sentence structure was required.	
<b>Optional/General</b> comments	The study area map should be well defined and the figures (specially photographs) are not enough clear (min. 300dpi) please read the authors guideline about the requirement.  Based on the content of the manuscript, there do not appear to be any clear ethical issues. There do not appear to be any competing interest issues in the manuscript.	

### **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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