

Manuscript: “**Effects of Different Seeds Pretreatments on the Germination of Five Local Trees: Four From The Fabaceae Family and One From the Bombacacea**”

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Corresponding Author: Tyano Abdoulaye

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Peer review:

**Reviewer 1:** L.J.G. van der Maesen, Wageningen/the Netherlands

**Reviewer 2:** Abdelfettah MAOUNI, Abdelmalek Essaadi University - Morocco

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Reviewer Name: L.J.G. van der Maesen	
University/Country: Wageningen/the Netherlands	
Date Manuscript Received: 20-10-2021	Date Review Report Submitted: 25-20-2021
Manuscript Title: <b>Effects of different seeds pretreatments on the germination of local trees: <i>Acacia nilotica</i> (Mimosoideae), <i>Adansonia digitata</i> (Bombacaceae), <i>Parkia biglobosa</i> (Mimosoideae), <i>Piliostigma reticulatum</i> (Caesalpinioideae), and <i>Tamarindus indica</i> (Caesalpinioideae)</b>	
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## **Evaluation Criteria:**

**Please give each evaluation item a numeric rating on a 5-point scale, along with a thorough explanation for each point rating.**

<i>Questions</i>	<i>Rating Result</i> [Poor] 1-5 [Excellent]
<b>1. The title is clear and it is adequate to the content of the article.</b>	<b>3</b>
<i>The title describes clearly what is investigated</i>	
<b>2. The abstract clearly presents objects, methods and results.</b>	<b>4</b>

<i>A bit lengthy, I edited the same.</i>	
<b>3. There are few grammatical errors and spelling mistakes in this article.</b>	<b>3</b>
<i>The authors being francophone wrote English in a verbose way with several errors and spelling mistakes, also punctuation leaves to be desired. Some French headings were not translated into English.</i>	
<b>4. The study methods are explained clearly.</b>	
<i>Some details need to be added, see edited version of the MS.</i>	
<b>5. The results are clear and do not contain errors.</b>	
<i>The results are explained well but in a verbose way.</i>	
<b>6. The conclusions or summary are accurate and supported by the content.</b>	
<i>Conclusions and summary are OK.</i>	
<b>7. The references are comprehensive and appropriate.</b>	
<i>Indeed.</i>	

**Comments and Suggestions to the Author(s):**

See edited version of the MS.

**Comments and Suggestions to the Editors Only:**

Lengthy paper with nice photographs and tables, could have been presented more concisely.

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Reviewer Name: <b>Abdelfettah MAOUNI</b>	
University/Country: Abdelmalek Essaadi University - Morocco	
Date Manuscript Received: <b>05/10/2021</b>	Date Review <b>Report 2</b> Submitted: <b>06/10/2021</b>
Manuscript Title: <b>Effects of different seeds pretreatments on the germination of local species: the case of <i>Acacia nilotica</i>, <i>Adansonia digitata</i>, <i>Parkia biglobosa</i>, <i>Piliostigma reticulatum</i>, and <i>Tamarindus indica</i></b>	
ESJ Manuscript Number: <b>1039/21</b>	
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You approve, your name as a reviewer of this paper, is available in the “review history” of the paper: <b>Yes</b>	
You approve, this review report is available in the “review history” of the paper: <b>Yes</b>	

## Evaluation Criteria:

Please give each evaluation item a numeric rating on a 5-point scale, along with a thorough explanation for each point rating.

<i>Questions</i>	<i>Rating Result</i> [Poor] 1-5 [Excellent]
<b>1. The title is clear and it is adequate to the content of the article.</b>	<b>4</b>
<p><b>You did not understand me.</b></p> <p><b>This title is too long now Effects of different seeds pretreatments on the germination of local trees: the case of <i>Acacia nilotica</i> (Mimosaceae), <i>Adansonia digitata</i> (Bombacaceae), <i>Parkia biglobosa</i> (Mimosaceae), <i>Piliostigma reticulatum</i> (Caesalpinioideae), and <i>Tamarindus indica</i> (Caesalpinioideae)</b></p> <p><b>I suggest this title :Effects of different seeds pretreatments on the germination of five local trees: four from the Fabaceae family and one from the Bombacaceae</b></p>	
<b>2. The abstract clearly presents objects, methods and results.</b>	<b>4</b>
<p><b>Key words: Germination, seeds, dormancy, pretreatment, Mimosaceae trees, Bombacaceae trees</b></p>	

<b>3. There are few grammatical errors and spelling mistakes in this article.</b>	<b>5</b>
–	
<b>4. The study methods are explained clearly.</b>	<b>4</b>
<b>Study Species:</b> <ul style="list-style-type: none"> <li>- It was appropriate to give images of the seeds and to discuss their particularities especially <b>tegumentary</b> instead of giving images of the trees</li> </ul> <b>Seedlings: To specify</b> <ul style="list-style-type: none"> <li>- Support in petri dishes: The support in the petri dishes were table lotus. <b>blotting paper</b> Temperature and humidity conditions ???</li> </ul>	
<b>5. The results are clear and do not contain errors.</b>	<b>4</b>
<b>Please answer these questions to improve your work</b> To specify signification under all graphs: <ul style="list-style-type: none"> <li>- Values are expressed as means (<math>\pm</math> SD)</li> <li>- Standard variation (<math>\pm</math> SD) in each histogram of graph</li> <li>- Means within a graphic column followed by the same lowercase letter are not significantly different at <math>p &lt; 0.05</math></li> <li>- Range test in analysis of variance (ANOVA)</li> </ul> It was appropriate to compare the germination rate after 30 days of all species (given table)	
<b>6. The conclusions or summary are accurate and supported by the content.</b>	<b>4</b>
<i>(Please insert your comments)</i>	
<b>7. The references are comprehensive and appropriate.</b>	<b>5</b>
–	

**Overall Recommendation** (mark an X with your recommendation) :

Accepted, no revision needed	
Accepted, minor revision needed	<b>X</b>
Return for major revision and resubmission	
Reject	

**Comments and Suggestions to the Author(s):**

*~~1.3.~~ Effets des différents prétraitements sur la germination de *Parkia biglobosa* (Jacq.) R. Br. ex G. Don*