

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_130708
Title of the Manuscript:	Effect of temperature and light on callus of critically endangered arid species Commiphora wightii through slow grow storage
Type of the Article	Original Research Article

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

Important Policies Regarding Peer Review

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>  
Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript provides valuable insights into the in vitro conservation of the critically endangered arid species <i>Commiphora wightii</i> , highlighting the impact of temperature and light conditions on the survival and growth of callus cultures. The findings have significant implications for the long-term preservation of this species' germplasm, offering practical strategies for maintaining healthy cultures in the absence of traditional methods like field conservation. Understanding how varying environmental factors influence callus survival can inform broader conservation practices for other endangered plants	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	

Review Form 3

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.	<p>The abstract is fairly comprehensive, as it clearly outlines the objective of the study, the methodology used (temperature and light variations for callus culture storage), and the key findings. However, there are a few areas where some additional clarity or detail could be beneficial:</p> <ol style="list-style-type: none"><li><b>Objective Clarification:</b> While the goal of conserving <i>Commiphora wightii</i> is mentioned, it would be helpful to explicitly state that the primary aim is to optimize conditions for long-term in vitro storage and survival of callus cultures.</li><li><b>Specific Results:</b> The abstract mentions the survival of callus cultures at various temperatures and light conditions but could provide more specific information on the survival percentages or the comparative effectiveness of the different conditions tested. For instance, quantifying the survival rates or describing the morphological changes in more detail would strengthen the abstract.</li><li><b>Conclusion/Implications:</b> The conclusion could be enhanced by briefly summarizing the practical implications of the study. For example, how these findings could contribute to the development of better conservation strategies for other endangered species, or potential applications in large-scale plant propagation.</li><li><b>Language and Flow:</b> The phrase “the effect of light and dark on callus of <i>Commiphora wightii</i> was observed” can be reworded for clarity. Consider revising it to “the effects of light and dark conditions on <i>C. wightii</i> callus survival were evaluated</li></ol>	
Is the manuscript scientifically, correct? Please write here.	Yes	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	<b>Future Research Directions:</b> Suggesting areas for future research would be a strong addition to the manuscript. For example, exploring the effect of different culture media, or testing the long-term regeneration potential of the stored callus cultures, could provide a logical next step in expanding knowledge on <i>C. wightii</i> conservation.	

PART 2:

	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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

Name:	Subhash Nanasaheb Varpe
Department, University & Country	Maulana Azad College of Art Science, Commerce, Dr.Rafiq Zakaria Campus, India