

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_129580
Title of the Manuscript:	Pollen output and influence of weather parameters on secretion of nectar in the flowers of wild and cultivated varieties of Jamun (<i>Syzygium cuminii</i> L.)
Type of the Article	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.		
Is the title of the article suitable? (If not please suggest an alternative title)		
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.		
Is the manuscript scientifically, correct? Please write here.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		

Review Form 3

<p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>	<p>Strengths</p> <ol style="list-style-type: none">Comprehensive Study: The manuscript addresses the intricate relationships between flowering behavior, pollen production, nectar secretion, and weather parameters, presenting valuable insights for pollination ecology.Methodological Clarity: The research employs robust methods, such as detailed observational data, standardized pollen yield estimation, and the use of meteorological data for correlation analysis.Relevance: The study holds significance for horticulture and reforestation efforts, especially for species like Jamun, which thrive in varied soil conditions.Data Presentation: Tables and figures are effectively used to illustrate findings, making data interpretation easier. <p>Areas for Improvement</p> <ol style="list-style-type: none">Introduction<ul style="list-style-type: none">The introduction lacks a concise statement on the research gap. While the importance of nectar and pollen is well-documented, a clear articulation of how this study fills existing knowledge gaps is needed.Literature Context<ul style="list-style-type: none">Some references (e.g., Bajpai et al., 2012; Solomon Raju et al., 2014) are well-integrated, but additional recent studies could strengthen the context and relevance.Statistical Analysis<ul style="list-style-type: none">The manuscript provides ample data but could benefit from additional statistical analyses. For example, a multivariate regression could explore the combined effects of weather parameters on nectar secretion.Discussion<ul style="list-style-type: none">While the discussion interprets results effectively, it could delve deeper into the ecological implications of the findings, such as the potential effects on pollinator behavior and plant-pollinator dynamics.Language and Style<ul style="list-style-type: none">Certain sections are verbose. For instance, the Materials and Methods section could be more concise without losing essential details.Typographical errors were observed (e.g., "revelled" instead of "revealed" in the Abstract).Figures and Tables<ul style="list-style-type: none">Plate 1 is informative but could be enhanced with higher resolution images or better captions for clarity.Tables are clear, but Table 3 (nectar secretion and TSS) would benefit from a summary column highlighting the significant findings.Conclusion<ul style="list-style-type: none">The conclusion is brief and reiterates results. It could expand to include broader applications of the findings and recommendations for future research. <p>Minor Recommendations</p> <ul style="list-style-type: none">Add a graphical abstract summarizing key findings.Ensure consistent formatting of references (e.g., DOI links and journal names). <hr/> <p>Recommendation</p> <p>This manuscript provides valuable contributions to the field. I recommend "Minor Revisions" to address the points outlined above. Once refined, the manuscript would be suitable for publication.</p>	

Review Form 3

--	--	--

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:

Name:	Priyanka Sharma
Department, University & Country	Rajasthan University, India