

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_127693
Title of the Manuscript:	Eco-Friendly Chemicals for Sustainable Post-Harvest Life of Flowers: A Comprehensive Review
Type of the Article	Review 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:

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PART 1: 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)
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 review paper explores the use of natural plant extracts and essential oils like thyme, mint, rosemary, eucalyptus, moringa, and Piper betle, were highlighted for their positive effects on flower longevity due to their antibacterial and antioxidant properties and eco-friendly preservatives to extend the vase life of cut flowers. Overall, this review support the use of natural plant-based extracts and essential oils as effective, sustainable alternatives to chemical preservatives for maintaining the postharvest quality and vase life of cut flowers including rose, gerbera, gladiolous, chrysanthemum etc.,.	
Is the title of the article suitable? (If not please suggest an alternative title)	Natural Alternatives to Chemicals for post-harvest life of flowers: A Comprehensive Review Prolonging Vase Life: Eco-Friendly Innovations in Floriculture	
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.	Addition about importance of cut flower industry is necessary Floriculture industry generates billions of dollars annually as revenue and is particularly important in countries having favourable climate for flower production like Egypt, India etc., Cut flowers play a significant role in the global floriculture industry, but their short vase life poses challenges for sustainability and consumer satisfaction. Traditional chemical preservatives, while effective, raise environmental and health concerns, prompting a shift towards eco-friendly alternatives	
Is the manuscript scientifically, correct? Please write here.	Yes, the manuscript is scientifically correct	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Ghada, M. R, Shawa, E, Magda, Omaima, M. and El-kafie, A.B.D. 2019. Evaluation of several ag+ sources and some essential oils for prolonging vase life of gerbera cut flowers cv. "julia". Egyptian Journal of Agricultural Sciences. 97 (1): 285 – 302.	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	More specific information can be included like days of increment in vase life compared to chemical treatment and adverse effects of chemicals to the environment etc. The paper appears to be well-researched and relevant for advancing sustainable practices in floriculture. Its strength lies in its breadth of coverage and applicability, though it could achieve even greater impact with a deeper critical analysis and a more structured presentation. If these aspects are improved, it could be considered of high-quality, publishable in a reputable journal.	

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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