

Review Form 3

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| Journal Name: | Journal of Advances in Biology & Biotechnology |
| Manuscript Number: | Ms_JABB_124079 |
| Title of the Manuscript: | "Exploring Gene Expression and Molecular Pathways in Tomato Leaf Curl New Delhi Virus (ToLCNDV) Infections: Understanding Host Responses & Viral Adaptation" |
| Type of the Article | Review Article |

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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) |
|---|--|--|
| 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. | As a molecular virologist, it looks fit towards my domain of research work. As a result I am confident to review it and I will do the same for others manuscript sent by you in future. | This review paper is significant to the scientific community as it consolidates the current understanding of <i>Tomato Leaf Curl New Delhi Virus (ToLCNDV)</i> , particularly its impact on crop yield and resistance mechanisms in plants. The paper highlights the key molecular interactions between the virus and host plants, contributing to the development of future disease management strategies. |
| Is the title of the article suitable? (If not please suggest an alternative title) | No, the title of the article is not suitable and it needs lots of changes or to add more literature about the gene expression of viral infection of the said virus in the suitable hosts. Lots of literatures are missing in the manuscript about the list of gene expression of different genes and their infections in different plants in the systematic order from older to newest. Review of literature means to collect more and more literature and presents your research from oldest to newest research. Please specify me by the author that how many types of genes are expressed by this virus in different pulses, legumes and cereals etc? | Molecular Insights into the Adaptability and Pathogenicity of Tomato Leaf Curl New Delhi Virus I have changed the 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. | Abstract of the article is comprehensive but not relevant to the title of the manuscript. I am suggesting to the author that please collects the more literature and add the relevant information about the list of genes expressed and what unique symptoms you observed in the host than the other previous research? | I have expanded the abstract also mentioned about the hypothesis |
| Are subsections and structure of the manuscript appropriate? | Inappropriate information are added in the manuscript like Disease scoring and vulnerability estimation, Comparative alignment with the unknown query sequences and management practices too. | As per the Editor I have changed and followed their comment |
| 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. | This manuscript is not technically sound and looking scientifically robust because the majority of the literature are irrelevant to the title of the manuscript. Need to change the title of the manuscript and to delete the bioinformatics part of this manuscript. No need to give the phylogenetic analysis and management practices. | This manuscript is scientifically robust and technically sound due to its comprehensive review of the most recent studies on <i>Tomato Leaf Curl New Delhi Virus (ToLCNDV)</i> , coupled with a thorough analysis of molecular mechanisms involved in viral infection and host response. The integration of various experimental findings from genomics, plant pathology, and virology ensures that the conclusions are well-supported by a broad range of data. |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | NO | I have added the additional references |
| Minor REVISION comments | Language was sufficient. There is a lack of collected literature and needs to present in the proper way. | Yes improvised the languages |
| Is the language/English quality of the article suitable for scholarly communications? | | |
| Optional/General comments | Needs to show more information as per the title given here. | |

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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:

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| Name: | Sumeet Parkash Kaundal |
| Department, University & Country | Punjab Institute of Medical Sciences, India |