



SDI Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_35109
Title of the Manuscript:	Molecular identification and characterization of alphasatellites associated with Okra enation leaf curl virus
Type of the Article	Original Research Article

General guideline for 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.

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PART 1: Review Comments

	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)
<u>Compulsory</u> REVISION comments	Okra is an economically important vegetable crop, which is susceptible to several plant viruses, including the Okra enation leaf curl virus. The characterization of alphasatellites from begomoviruses is an interesting approach to further elucidate the interactions between host and pathogen. However, the authors did not address any morphological or disease traits from the okra plants harvested. Thus, how can this work contribute to the understanding of the alphasatellites in the etiology of begomoviral diseases? The addition of this data in the manuscript is needed. - The type 1 alphasatellites were identified as SiYVCNA, which includes most of the sequences generated. Why this was not further discussed? In the Discussion, the authors write about the other two GMusSLA and GDarSLA. -Why the Kimura two-parameter model was applied? Did the authors test the best model that fit the data?	We agree with the reviewer's comment. The disease traits from the infected okra plants have been included in the study. The data in the study is based on the identification and characterization of the OELCV and associated alphasatellites only. The study of the etiology of begomoviral diseases is very wide study in itself and is beyond the scope of this paper under the given title "Molecular identification and characterization of alphasatellites associated with Okra enation leaf curl virus" but the information generated in this study will be helpful in different approaches being used against the begomovirus and associated alphasatellites. • The more information about the SiYVCNA, GMusSLA and GDarSLA has been added in the discussion. • The Kimura two-parameter model has been changed after applying the test for best model that fit the data. The model has been mentioned separately for the begomovirus and alphasatellite data in the text .
<u>Minor</u> REVISION comments	-Briefly describe the initial PCR methods. -In Results/Full genome analysis, the authors wrote: "shows the virus from okra to segregate with the isolates of OELCV". This was written in plural, although there is only one OELCV to compare.	• Initial PCR methods have been described • The error has been corrected in the Result section as mentioned by the reviewer.
<u>Optional/General</u> comments		