



SDI Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_47604
Title of the Manuscript:	OVERVIEW AND APPLICATIONS OF RNA SILENCING IN FRUIT CROPS
Type of the Article	Review 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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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)
Compulsory REVISION comments	<p>The review article entitled "OVERVIEW AND APPLICATIONS OF RNA SILENCING IN FRUIT CROPS" has tried to describe the application of the RNA silencing technology on the application and developmental part of the fruit crops, but the authors have included only few literature. Overall the review lacks proper objective and no detailed methodology.</p> <p>Inclusion criteria and the words used to select the literature on the review manuscript should be included.</p> <p>The manuscript needs major revision before acceptance.</p> <p>The following major comments can be addressed</p> <p>I am wondering ... there no reference or studies from 2016 onwards</p> <p>It means NO STUDY on the RNA silencing technology on the application and developmental part of the fruit crops since 2016. Is it so</p> <p>Authors missed many recent advances in the field, they should update and summarize the recent finding on the reviewing field.</p> <p>Authors should make sure the flow of the review is smooth and organised ... the basic concepts on the RNA interference shall be described.</p> <p>How the Carotenoid and flavonoid contents of fruits of the fruits can be implicated using the RNA interference shall be described (The following references can be cited:</p> <p>"RNA interference (RNAi) technology: a promising tool for medicinal plant research." Journal of Medicinal Plants Research 3.13 (2009): 1176-1183.</p> <p>"Fruit-specific RNAi-mediated suppression of DET1 enhances carotenoid and flavonoid content in tomatoes." Nature biotechnology 23.7 (2005): 890.)</p> <p>RNA interference based pest control on the fruit crops can be elaborated (The following references can be cited:</p> <p>"RNA interference for the control of whiteflies (Bemisia tabaci) by oral route." Journal of biosciences 36.1 (2011): 153-161.</p> <p>"RNAi mediated gene knockdown in sucking and chewing insect pests." Journal of Biopesticides 3.Special Issue (2010): 386.)</p> <p>The following references shall be considered</p> <p>"Gene Silencing in Horticultural Transgenic Crops." Genetic Engineering of Horticultural Crops. 2018. 47-61.</p> <p>"Improved fruit α-tocopherol, carotenoid, squalene and phytosterol contents through manipulation of Brassica juncea 3-HYDROXY-3-METHYLGLUTARYL-COA SYNTHASE 1 in transgenic tomato." Plant biotechnology journal 16.3 (2018): 784-796.</p> <p>The authors shall provide the mechanisms on the RNA Interference mediated fruit Crop</p>	



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	Improvement in detail.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments	Too many typographical errors (Example Line 105.... pineaapple,) Gene name should be in italics ... change in the entire manuscript Language editing is mandatory to improve the quality of the manuscript.	

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:

Name:	<i>J. Francis Borgio</i>
Department, University & Country	<i>Imam Abdulrahman Bin Faisal University, Saudi Arabia</i>