

## Review Form 1.7

Journal Name:	<b>International Journal of Environment and Climate Change</b>
Manuscript Number:	<b>Ms_IJECC_100359</b>
Title of the Manuscript:	<b>Influence of weather, vector and variety on incidence of Yellow Leaf Disease in Sugarcane</b>
Type of the Article	<b>Research Article</b>

### **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:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy> )

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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)
<p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<ul style="list-style-type: none"> <li>▪ Sugarcane is one of the substantial cash crops in India and plays a crucial role in both agricultural and industrial economy, in addition to be grown for sugar in many countries and for bio energy production from its by-products bagasse and molasses</li> <li>▪ However, it is being affected by several biotic factors like fungi, bacteria, viruses and phytoplasma thus lessening its production and productivity conferring to its severity.</li> <li>▪ The study states that worldwide the severity of yellow leaf disease caused by Sugarcane yellow leaf virus (SCYLV), and its influence on sugarcane productivity have been reported from almost all the sugarcane growing countries whereby, the disease results in reduced cane growth in terms of number of canes per clump, cane weight, juice quality and sugar yield.</li> <li>▪ Yes, the title of the manuscript is appropriate enough.</li> <li>▪ Yes, the abstract written is comprehensive.</li> <li>▪ Yes, they are appropriate enough portraying the general sub-sections viz., Abstract, Introduction, Materials and Methods, Results and Discussion and Conclusion as well.</li> <li>▪ In addition, the statistical analysis performed by means of Microsoft Excel software have been well illustrated and documented in Tabular forms in an articulate manner.</li> <li>▪ The graphical presentations are expressively portrayed.</li> <li>▪ According to the previous findings, yellow leaf that is spread by aphids depends on cultivar susceptibility and local epidemiological conditions as well as climatic parameters and aphid predator populations.</li> <li>▪ It has been earlier opined that temperature, relative humidity, sunshine hours, and rainfall all play a decisive role in the commencement and progression of plant disease over time.</li> <li>○ The references are adequate and recent enough.</li> </ul>	
<p><b>Minor</b> REVISION comments</p>	<p>Change the capitalization in the Title as follows: <b>Influence of Weather, Vector and Variety on the Incidence of Yellow Leaf Disease in Sugarcane.</b></p> <ul style="list-style-type: none"> <li>• Abstract, 6<sup>th</sup> line &amp; Introduction last 2<sup>nd</sup> line: on <b>the</b> incidence- add an article.</li> <li>• Abstract, 7<sup>th</sup> line: weekly intervals- fix the agreement mistake.</li> <li>• Introduction, 2<sup>nd</sup> line: bioenergy- write as single.</li> <li>• Introduction, 4<sup>th</sup> line: <b>a</b> pivotal role in both <b>the</b> agricultural- Correct the usage of articles.</li> <li>• Introduction, 5<sup>th</sup> line: having <b>a</b> 2.46% share of <b>the</b> total area</li> </ul>	

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<p><b>1. Is language/English quality of the article suitable for scholarly communications?</b></p>	<ul style="list-style-type: none"> <li>○ The usage of the English language is appropriate and well suitable for scholarly communications.</li> </ul>	
<p><b><u>Optional/General</u> comments</b></p>	<ul style="list-style-type: none"> <li>○ By means of Microsoft Excel software, data on aphid population, yellow leaf disease incidence and weather parameters were statistically analyzed for correlation following the standard weather week (SMW) as per Steel and Torry,1980.</li> <li>○ In addition, DAS-ELISA was performed using the kit obtained from M/s. AC Diagnostics, USA (Code-V093-K1) following the standard protocol land observations were taken visually and the colour change was observed photo metrically at 405 nm using thermo fischer scientific Multi scan- X, ELISA reader and the readings were documented.</li> <li>○ The photographic picture of DAS-ELISA readings of yellow leaf disease-infected sugarcane leaves and aphids is quite notable and distinguished.</li> <li>○ However, the manuscript has been succinctly described, remarkable, and well-presented with the related statistical data that has been documented in the form of fine Tabular forms.</li> <li>○ The graphical representations are also good enough.</li> </ul>	

**PART 2:**

	<p><b>Reviewer's comment</b></p>	<p><b>Author's comment</b> <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></p>
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

**Reviewer Details:**

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