

### Review Form 1.7

|                          |   |
|--------------------------|---|
| Journal Name:            | <b>International Journal of Environment and Climate Change</b>  |
| Manuscript Number:       | <b>Ms_IJECC_111477</b>  |
| Title of the Manuscript: | <b>Evaluation of Genetic Variability, Heritability and Genetic Advance for Yield and Yield Components in RIL population of rice derived from Swarna Sub-1 x AC 20431B</b> |
| Type of the Article      | <b>Original Research Article</b>  |

## Review Form 1.7

### PART 1: Review Comments

|   | Reviewer's comment<br>Accepted with major revision   | 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. Is the manuscript important for scientific community?<br/>(Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable?<br/>(If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review</p> | <p>1- Yes, the research is useful to society and developing countries, as it is concerned with studying the rice plant, which is an important crop for many people in the world.</p> <p>2- No, the title is not good and I suggest this title<br/><b>Genetic evaluation of recombinant inbred lines of rice (<i>Oryza sativa</i> L.) for yield related traits</b></p> <p>3- No, the abstract of the article is not comprehensive and requires more writing about the purpose of the research, the problem, and its solution at the beginning of the abstract</p> <p>4- Yes, subsections and structure of the manuscript are not appropriate, since the <b>introduction part</b> requires more writing about submergence stress and its effects on rice plants and the importance of using different strains to solve the problem. <b>Methods Part:</b> It was not sufficiently clarified how the hybrid strains and lines used in the research were obtained. Also, were the results calculated using equations, and if so, what are these</p> | <p>I have modified the title to<br/>"Genetic Evaluation of Recombinant Inbred Lines of rice derived from Swarna-Sub1 X AC 20431B for yield related traits.</p> <p>I have added the purpose of the research and about problem in the abstract.</p> <p>I have done the necessary changes in introduction part as well as materials and methods. All the analyses were done in R software using variability package which I have mentioned in the Materials and Methods. I have added more references.</p> |

## Review Form 1.7

|  |   |                               |
|--|---|-------------------------------|
| form.<br><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u>       | equations? Also the <b>references part</b> was never enough<br><br>5- Yes, manuscript is scientifically correct<br><br>6- No, references are not sufficient at all. | I have added more references. |
| <b>Minor</b> REVISION comments<br><br>1. Is language/English quality of the article suitable for scholarly communications? | Yes   |                               |
| <b>Optional/General</b> comments   |   |                               |

## PART 2:

|   |  |   |
|---|--|---|
|   | <b>Reviewer's comment</b>  | <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> |
| <b>Are there ethical issues in this manuscript?</b> | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | There are no ethical issues in the manuscript.  |