



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">American Journal of Experimental Agriculture</a>                                                   |
| Manuscript Number:       | 2014_AJEA_14863                                                                                                |
| Title of the Manuscript: | Assessment of genetic diversity of elite Indian rice varieties using agro-morphological traits and SSR markers |
| 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.

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**

|                                     | <b>Reviewer's comment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Author's comment</b> (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) |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compulsory</b> REVISION comments | <p>The Manuscript entitled "Assessment of genetic diversity of elite Indian rice varieties using agro-morphological traits and SSR markers" concerns an important questions related with the future breeding programmes in Indian rice (<i>Oryza sativa</i> L.).</p> <p>In the manuscript the authors describe a study showing genetic diversity assessment of 24 elite Indian rice varieties based on 24 important agro-morphological traits and using SSR marker analysis.</p> <p>Abstract is clear, informative, brief and representative of the work and underlines the significance of the subject.</p> <p>Introduction is understandable, clear and comprehensive exposing the reader to the topic. Purpose and objectives are scientifically appropriate.</p> <p>The methods used are contemporary and correctly described. So described they allow experiment to be reproduced. Appropriate statistics was used.</p> <p>The experimental results are thoroughly and logically interpreted in the discussion and presented with clarity. Author (-s) compared the results obtained with the experiments and results of previous studies on the relevant subject.</p> <p>The findings are particularly valuable having in a mind importance of the crop studied.</p> |                                                                                                                                                                                      |



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| <p><b><u>Minor</u></b> REVISION comments</p>   | <p>However, some minor errors were noted:<br/>In part "Introduction" subhead Introduction is missing.<br/>The authors must add this title before line 27.</p> <p>In "Material and methods" in line 91 in the sentence "The grain quality traits namely grain weight, grain length and width ..." some traits are quantitative as grain weight, grain length not qualitative.</p> <p>In "Results and discussion" in subhead Morphological characterization from line 161 to line195 are given data concrete values for investigated traits and coefficient of variation which do not correspond with Table 2 and 3. The authors should correct them.</p> <p>In "Literature cited"<br/>References must be listed and numbered (in brackets) in the order that they appear in the text according to Author's Instruction.</p> <p>in line 490 the quotation must be corrected according to line 264.</p> <p>The reviewer recommend authors provide the statistically proven differences for investigated traits. Whether authors can give information into this manuscript what rice varieties are perspective and can be included in future breeding programmes.</p> | <p>Included Introduction</p> <p>Corrected with grain qualitative and quantitative traits</p> <p>Table included as supplementary table did not send with the manuscript. Now included as Table 4</p> <p>Corrected</p> <p>Yes</p> <p>Yes</p> |
| <p><b><u>Optional/General</u></b> comments</p> | <p>Organization into sections and subsections was well done and paper structure is clear and arranged according to journal style.</p> <p>The proposed peer review manuscript, titled "Assessment of genetic diversity of elite Indian rice varieties using agro-morphological traits and SSR markers" is of interest and well-documented with</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                            |



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|  | informative data. I think it should be accepted for publication in the "American Journal of Experimental Agriculture" after minor corrections. |  |
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