



**SDI Review Form 1.6**

**PART 1:**

|                          |                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------|
| Journal Name:            | <a href="#"><u>American Journal of Experimental Agriculture</u></a>               |
| Manuscript Number:       | 2013_AJEA_4114                                                                    |
| Title of the Manuscript: | Seed performance of selected bottle gourd [Lagenaria siceraria (Molina) Standl.]. |
| Type of the Article      | Research paper                                                                    |

**General guideline for Peer Review process is available in this link:**

**[\(http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline\)](http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline)**

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.



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### **PART 2: 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)                                                                                                                                                                                           |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>Compulsory</u></b> REVISION comments | <b>Figure 1-10: authors have to include the explained variance for each PC axis. Was the PCA performed on the variance-covariance or correlation matrix. Please include this information in M&amp;M.</b>                                                                                                                                                                                                                                                                                                                                            | The statement 'Raw data were standardized to give a mean of zero and a standard deviation of +/- 1. This was followed by computing and construction distance matrix using variance-covariance coefficients. Eigen values and eigen vectors of the variance-covariance matrix were then computed to generate PC1 and PC2 scores" was added in the MM. See line 457 - 462 |
| <b><u>Minor</u></b> REVISION comments      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                         |
| <b><u>Optional/General</u></b> comments    | The paper is too long. Maybe authors could presents their results summarizing different aspects. The introduction could be deeply shorten<br>The paper Morimoto et al 2005 should also be cited when authors talk about seed morphology.<br>The review on shape analysis of agricultural products (FABT 2011, 4: 673-692) should be included and considered in the introduction and discussion sections. Authors could take into considerations for their future works the use of modern morphological approaches (see the review above mentioned). | If the Editor permits, we would like to keep the paper at its present length, because we are starting a new project and we would like to use this paper as the major reference for future work, with as much background details as possible.<br>Where necessary Morimoto et al. 2005 and Costa et al 2011 were cited. See line 373, 718                                 |