



**SDI Review Form 1.5**

**PART A:**

|                                 |                                                                                                                                               |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Journal Name:                   | <a href="#">American Journal of Experimental Agriculture</a>                                                                                  |
| Manuscript Number:              | <b>MS: 2012/AJEA/1579</b>                                                                                                                     |
| Title of the Manuscript:        | <b><i>Application of SSR markers for genetic purity testing of some commercial hybrid maize (Zea mays L.) and their parental inbreds.</i></b> |
| Manuscript received on (Date)   |                                                                                                                                               |
| Review comment submitted (Date) |                                                                                                                                               |



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### **PART B: Review Comments**

|                                                                       | <b>Reviewer's comment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Author's comment</b> (if agreed with reviewer, correct the manuscript and highlight that part and write here 'Corrected'/ if not agreed, give suitable justifications) |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General comment:</b>                                               | <b>This is a good study on the use of SSR makers for testing the genetic purity of inbred lines and their respective parents. However, the article is not written in a form which could be accepted for publication in AJEA. The English is very poor. The authors need to improve the quality of the manuscript by reviewing it to a native English speaker and also by incorporation of the suggestions and corrections suggested by the reviewer in annotated version of manuscript.</b> |                                                                                                                                                                           |
| <b>Specific comments:</b>                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                           |
| Title and abstract                                                    | The title seems OK. The authors are required the change the abstract according to the Journal format.                                                                                                                                                                                                                                                                                                                                                                                       | Corrected. Journal format followed                                                                                                                                        |
| Introduction                                                          | The problem is well introduced and discussed in the introduction. The authors can say something about why the selected SSR makers??                                                                                                                                                                                                                                                                                                                                                         | Why SSR marker? Explained in line 66-70                                                                                                                                   |
| Review of literature (Heading may differ in the case of review paper) | The article is lacking of literature review especially in introduction.                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                           |
| Materials & methods (Heading may differ in the case of review paper)  | Well organized and reproducible. However Authors should give references where needed!                                                                                                                                                                                                                                                                                                                                                                                                       | Necessary references included: Dellarporta et al Line 75, Ogunkanmi et al Line 96 etc                                                                                     |
| Results & discussion (Heading may differ in the case of review paper) | The results are well stated but not discussed impressively in the light of previous literature available on the subject.                                                                                                                                                                                                                                                                                                                                                                    | Literature on use of SSR marker for genetic purity very limited. Available literatures are common on use of SSR marker for diversity studies.                             |
| Conclusion                                                            | Good.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                           |
| References                                                            | The references are not according to the Journal guidelines. The authors must have to rewrite the references according to the AJEA format.                                                                                                                                                                                                                                                                                                                                                   | Corrected. Journal format followed.                                                                                                                                       |