



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_44544
Title of the Manuscript:	Genetic Diversity and Importance of Loofah Traits
New Title:	Genetic Divergence and Importance of Traits in Luffa cylindrica L
Type of Article:	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
As mentioned in the first evaluation "Number of accessions is very low and collection area is very narrow for this kind of study. Numbers of genotype and collection area are not sufficient. For genetic diversity analysis only fruit characteristics are not enough. Plant and yield parameters should have been included.	"Number of accessions: The plant luffa need large area, for the spacing of the crop of 3 meters between rows and 5 meters between plants. In an experiment with 6 treatments, 3 replicates and 4 plants per replicate, totaling 1080 m². The work is an experimental process of incomplete blocks, being two experiments in complete blocks with 4 regular plates and 2 of common treatment, that is, for straight and precise execution of 2160 m², which would make it difficult to handle the experiment correctly. Collection area: even in the case of two nearby municipalities, it is observed that there is a great variability of populations in this place, this can be observed with the results presented in the article. Characteristics evaluated: the authors agree that there are other important characteristics, however to maximize the resources and in the case of an initial experiment that had as a plague the multiplication, the descriptors of the plant were not realized. In relation to productivity, it was not established due to the realization of controlled pollinations to obtain endogamic progenies, until the inbred fruit glue was observed, the other fruits of free pollinations were removed because it would be a source of drainage of the plant and thus could harm the glue and the development of the fruits, so if the productivity were measured the values would be erroneous."