

Review Form 1.6

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_88368
Title of the Manuscript:	Genetic variability and Principal component analysis (PCA) in Rice (Oryza sativa L.)
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:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy>)

PART 1: 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)
Compulsory REVISION comments	Rice being a staple food crop of world, the genetic variability study in this crop envisages the exploitation of variability of different traits for enhancing productivity is the need of an hour. The authors studied the genetic diversity of 21 genotypes revealed that genotypes have adequate genetic variability for the traits. The diversity study shows that the genotypes belonging to cluster III and V have the highest inter cluster distance suggesting these genotypes are used as parents in future hybridization programme. The Principal component analysis showed five components viz., Days to 50 % flowering, panicle length, grain weight, seed yield per plant and harvest index together used 78.9 % of total variability of genotypes studied. Therefore these traits have contributed maximum for the variation.	Revised as per comments Thank you for your comments and suggestions
Minor REVISION comments	No minor corrections	Revised
Optional/General comments	Accepted	Revised

PART 2:

	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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	