

Assessment of Genetic Variability for Yield and Quality Characters in Rice (*Oryza sativa* L.)

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ABSTRACT

The present investigation was carried out to study the genetic parameters for yield, yield attributing and quality characters in fifty rice genotypes. Analysis of variance revealed significant differences for all the traits under study. The characters viz., filled grains per panicle, test weight, kernel length after cooking, alkali spreading value and gel consistency exhibited high genotypic coefficient of variation (GCV) and phenotypic coefficient of variation (PCV) along with high heritability coupled with high genetic advance indicating their amenability towards simple selection and it could be effective for improving these characters.

Key words: *Rice, GCV, Genetic advance, Heritability, PCV.*