

# **Genetic Divergence in Medium Duration Genotypes of Rice (*Oryza Sativa L.*)**

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## **ABSTRACT**

Genetic divergence study of 19 medium duration genotypes of rice for 20 characters led to their grouping into five clusters. Protein percentage (43.27) showed maximum contribution towards genetic divergence followed by alkali digestion value (27.49), amylose content (9.94), grain length (5.26), grain width (5.26), water uptake (2.92), kernel breadth (1.17), test weight (1.17), days to 50% flowering (1.17), filled grains per panicle (0.58), kernel length after cooking (0.58), panicle length (0.58) and tillers per plant (0.58). The maximum inter cluster  $D^2$  values was observed between cluster II and III followed cluster II and V and cluster I and II.

**Key words :** Cluster analysis, Genetic divergence, Mehalanobis  $D^2$  analysis, Rice.