

# **Genetic Diversity Studies on Quality Characters in Long Duration Genotypes of Rice (*Oryza Sativa L.*)**

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## **ABSTRACT**

Thirty four long duration genotypes were evaluated for physico-chemical and cooking characters to study the diversity pattern among the genotypes. The genotypes were grouped into seven clusters. Maximum ten genotypes were grouped in clusters I and III followed by six in cluster IV. The clusters V, VI and VII are represented by single genotype indicating high degree of heterogeneity among the genotypes. The maximum inter cluster distance was observed between clusters II and VII followed by clusters IV and VII and maximum intra cluster distance was observed in cluster IV followed by cluster III, II and I respectively. Percentage of contribution towards total divergence is highest in protein percentage (50.80) followed by alkali digestion value (32.44), amylose content (6.60), kernel length after cooking (6.42), water uptake (0.89), hulling percentage (0.36), kernel length (0.0) and milling percentage (0.0).

**Key words :** Genetic divergence, Quality characters, Rice.