

# **Studies on Character Association and Path Analysis in Rice (*Oryza sativa* L.)**

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## **ABSTRACT**

Twenty five rice genotypes obtained from Agricultural Research Station, Bapatla, Andhra Pradesh constituted the experimental material for the present investigation. Character association among yield, yield components and quality traits and path effects of the yield component traits and quality character on yield were studied. The results revealed positive and significant association of plant height, test weight and zinc content with grain yield per plant at genotypic level in addition to high and positive direct effects indicating the effectiveness of direct selection of these traits for improvement of grain yield per plant. Hence, these traits were identified as effective selection criteria for improvement of grain yield per plant in rice.

**Keywords:** *Correlation, Path analysis, Rice, Quality and Yield.*