

# **Genetic Variability, Heritability and Genetic Advance of yield and yield attributes in Groundnut (*Arachis hypogaea* L.)**

**Anamika Roy, M Lal Ahmed, Y Amaravathi, K Viswanath, J Dayal Prasad Babu and B Sreekanth**  
Department of Genetics and Plant Breeding, Agricultural College, Bapatla.

## **ABSTRACT**

An experiment was conducted to assess the genetic variability, heritability and genetic advance with thirty three genotypes of groundnut at Regional Research Station, ANGRAU, Tirupati, Andhra Pradesh. The characters studied were significantly different from each other. Moderate PCV and GCV with high heritability and high genetic advance as per cent of mean were observed for the traits *viz.*, days to 50 % flowering, SCMR 70 DAS, harvest index and 100 kernel weight. Kernel yield per plant recorded high PCV and moderate GCV with high heritability and genetic advance as per cent mean. It indicates operation of additive gene action and these traits can be improved by devising simple selection.

**Keywords :** *GCV, genetic advance, groundnut, heritability, PCV.*