# Genetic Association of Characters and Their Effects in Mungbean (*Vigna radiata* L. Wilczek)

**N Vinay Kumar, G Roopa Lavanya and Sanjeev Kumar Singh**
Department of Genetics and Plant Breeding, Allahabad School of Agriculture
Sam Higginbottom Institute of Agriculture, Allahabad-211007, Uttar Pradesh, India

**ABSTRACT**

Genetic variability among mungbean genotypes and character association between different quantitative characters was studied during kharif 2007. The highest GCV and PCV were recorded for harvest index and pods per plant, respectively. High estimates of genetic advance as percent of mean was observed for 100 seed weight and harvest index. High heritability with high genetic advance was observed for harvest index, 100 seed weight and pods per plant. High significant positive correlation was recorded for pods per plant and harvest index at both genotypic and phenotypic levels with seed yield per plant. Plant height, primary branches per plant, clusters per branch and days to maturity had positive direct effect on seed yield, suggesting their potential use in improvement of mungbean.

**Key words :** Correlation, Direct effect, Genetic advance, GCV, Heritability, Mungbean, PCV.