



## Genetic Variability Studies in Chilli (*Capsicum annum* L.) for Yield and Quality Attributes

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**Abstract:** Genetic variability, heritability, and genetic advance as a per cent over mean for eleven characters were assessed by field evaluation of fifty chilli genotypes. High degree of variation was observed for all characters. The difference between phenotypic coefficient of variation and genotypic coefficient of variation were found to be narrow for most of the traits. The high estimates of heritability was found for number of fruits per plant at first picking (98.20%), total number of fruits per plant (94.67%), early yield (94.67%), late yield (95.62%) and total yield (91.37%), fruit length (96.22%), fruit width (96.22%), stalk length (81.04%) and ten fruit weight (96.44%), ascorbic acid (98.30%), chlorophyll-a (95.45%), chlorophyll-b (97.52%) and their total chlorophyll (97.87%).

**Key Words:** Ascorbic acid, Chlorophyll, Genetic variance, Genetic advance, Green chilli, Heritability, Phenotypic variance

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