

Genetic variability, correlation and path coefficient analysis in bitter gourd (*Momordica charantia* L.)

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ABSTRACT : The study consisted of thirty genotypes including two checks *viz.*, Pusa Do Mausami and Pusa Vishesh, and exhibited the maximum phenotypic coefficient of variability in number of fruits per plant. All the characters showed high heritability except average fruit weight which indicated moderate heritability. Fruit length followed by fruit diameter showed high heritability in broad sense as well as genetic advance in per cent of mean. Fruit yield per plant was positively and significantly correlated with number of fruits per plant and fruits yield per plant was positively and directly associated with number of fruits per plant at phenotypic as well as genotypic level.

Key Words : Genetic variability, path coefficient analysis, bitter gourd.