

Principal Component and Cluster Analyses in *Kabuli* Chickpea (*Cicer arietinum* L.)

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ABSTRACT

Thirty genotypes of *Kabuli* chickpea were evaluated to study genetic divergence by using principal component and cluster analysis. These genotypes were grouped into 6 clusters. Principal component analysis identified four principal components with Eigen values more than the one contributed 88.88 per cent of the cumulative variance. The genotypes selected from the above analysis were Dollar, ICCV- 95334, ICC-5320 and ICC-4929 which appear to be desirable for inclusion in crossing programme aimed for improvement of *Kabuli* chickpea.

Key words : Cluster Analysis, Genetic Divergence, *Kabuli* chickpea, Principal Component Analysis.