

Multivariate Analyses in Castor (*Ricinus communis* L.)

M Srinivasa Rao, V Satyanarayana Rao, M Lal Ahamed and M V Ramana

Department of Genetics and Plant Breeding, Agricultural college, Bapatla 522101, Andhra Pradesh

ABSTRACT

Fifty four genotypes of castor representing the broad spectrum of variation were assessed for genetic divergence for twenty eight characters using Mahalanobis' D^2 statistic, cluster analysis and principal component analysis. On the basis of these three clustering methods nine and eight clusters were obtained for D^2 statistic and principal component analysis respectively.

Key words : Castor, Cluster analysis, D^2 analysis, Principal Component Analysis