

Genetic variability studies in *Jatropha* (*Jatropha curcas* L.)

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SUMMARY

The present investigation on genetic variability studies in *Jatropha* (*Jatropha curcas* L.) was undertaken to study the extent of genetic variability, heritability (bs), genetic advance in 30 genotypes of *Jatropha*. The parameters of genetic variability revealed high PCV and GCV values for the traits number of secondary branches per plant, oil content, number of fruits per plant, number of clusters per plant. The PCV values were higher than GCV values for all the traits. The highest magnitudinal difference between GCV and PCV was recorded for number of primary branches per plant followed by number of clusters per plant indicating the role of environment in phenotypic expression of the trait. The lowest difference between GCV and PCV was found for number of secondary branches per plant, oil content and seed yield per plant indicating the major role of genotypes in the expression of these characters.

Key Words : Variability, Genetic, Heritability, *Jatropha*

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