

**STUDIES ON VARIABILITY OF LOCAL CHIRONJI (*Buchanania lanzan* Spreng.)
GENOTYPES GROWING IN NANDURBAR DISTRICT OF MAHARASHTRA**

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ABSTRACT

Fruit morphological variation studies in 25 local chironji genotypes was undertaken at Dadgoan Tehsil in Satpuda hill during January-May 2020 for identifying the superior types. All observations with respect to fruit characters were done following NBPGR descriptor. All chironji plants are of seedling origin, they showed significant variations in their physicochemical attributes. Considering morphological, quantitative, and qualitative characters, DCP-17 recorded higher values in all respect. From overall performance in respect of higher fruit weight, seed weight, kernel weight, kernel recovery, titrable acidity and TSS: acidity ratio four chironji genotypes viz., DCP-5, DCP-15, DCP-17 and DCP-22 were identified as promising genotypes.

Keywords: Chironji, Genotypes, Variability, Nandurbar, Maharashtra