



KrishiKosh (कृषिकोश)

(/) An Institutional Repository of Indian National Agricultural Research System



Advanced Search (/advanced-search)

[Krishikosh \(/\)](#) / [Indian Agricultural Research Institute, New Delhi \(/handle/1/20\)](#) / [Theses \(/handle/1/30364\)](#)

Please use this identifier to cite or link to this item: <http://krishikosh.egranth.ac.in/handle/1/76476>

Authors: KRISHNA PRAKASH (/browse?type=author&value=KRISHNA+PRAKASH)

Advisor: Anjula Pandey (/browse?type=author&value=Anjula+Pandey)

Title: Genetic Resource Diversity in Luffa (Cucurbitaceae) from India: Morphological, Biochemical and Molecular Considerations

Other Titles: M Sc

Publisher: IARI, National Bureau of Plant Genetic Resources

Type: Thesis

Agrotags: tillage equipment, sowing, genetics, fruits, proteins, oils, planting, developmental stages, biological phenomena, dna

Abstract: Seventy accessions of five cultivated and wild taxa of Luffa represented from different phytogeographical regions of India were studied for eight morphological plant parts. Major characters were recorded for data using the descriptors developed by the IPGRI (International Plant Genetic Resources institute) (presently Bioversity International) with minor modifications. Characterization data on thirty-three traits in various plant parts viz. stem (1character), tendril (1), leaf (13), sex type (1), inflorescence and flower (2), fruit (6) and seed (9) for qualitative and quantitative traits was recorded. Dendrogram were constructed using Ward's Minimum Variance method (Ward, 1963). Analysis showed high degree of variation among studied accessions indicating high level of diversity represented within the species from different phytogeographical regions and relatedness among the collected species across intraspecific levels.

Description: T-8666

Appears in: [Theses \(/handle/1/30364\)](#)

Collections:


Files in This Item:

File	Description	Size	Format
Krishna Prakash (20087, M.Sc. Thesis).pdf	T-8666	2.57 MB	Adobe PDF



[View/Open \(/displaybitstream?handle=1/76476\)](/displaybitstream?handle=1/76476)

[Show full item record \(/handle/1/76476?mode=full\)](/handle/1/76476?mode=full)

 [\(/handle/1/76476/statistics\)](/handle/1/76476/statistics)

Items in DSpace are protected by copyright, with all rights reserved, unless otherwise indicated.