

**STUDIES OF THE GROWTH AND CONSERVATION OF RARE TREE SPECIES
MICHELIA CHAMPACA LINN. IN DISTRICTS, MEERUT AND BULANDSHAHR, (U.P.)
INDIA**

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ABSTRACT

Michelia champaca is valuable evergreen tree species for forestry and mankind. Mostly *Michelia champaca* is found in Temples. The fragrance of its golden flowers purifies the environment, which is a fast growing tree species. Hence, there is an urgent need for conservation of this tree species. The present study was carried out in Districts Meerut and Bulandshahr from May 2019 to 3 August 2021. The mature, dried and healthy seeds of *Michelia champaca* were collected from Puri Orissa. Seeds were sown in pots containing mixture of soil: manure 3:1 ratio. The germination started seven days after sowing in the month of May. The total germination percentages were observed 95 % within 21 days during summer month. *Michelia champaca* 12 months old saplings prepared and distributed to the areas of Meerut and Bulandshahr. The results indicate that the status of germination, saplings growth and development of all stages of *Michelia champaca* is fairly significant. I had recorded 3 years growth of *Michelia champaca* tree species height Mean 295.4 cm. in I.P. College, Bulandshahr, Jwala nagar and Ganga nagar Meerut. It is concluded that the aim of the present study is to spread awareness towards the conservation of the rare beautiful tree species *Michelia champaca* in Meerut and Bulandshahr districts. The study benefited to environment and silviculture in those areas, where the species is now not found

KEYWORDS: *Michelia Champaca*, Rare, Conservation, Meerut, Bulandshahr