



Assessment of Germination Attributes in Candidate Plus Trees (CPTs) of Malabar Neem (*Melia dubia* Cav.)

R.S. Chauhan, N.S. Thakur*, R.P. Gunaga, D.C. Bhuva and D.B. Jadeja

College of Forestry, ACHF, Navsari Agricultural University, Navsari-396 450, India

*E-mail: drnsthakur74@gmail.com

Abstract: Seeds of twenty candidate plus trees of *Melia dubia* selected from South Gujarat region of India were assessed and significant variation among CPTs for the germination and related vigour attributes was recorded. Highest germination of 38.05%, mean daily germination, 0.51%, germination value, 1.72 and germination index, 1432.5 was recorded in seeds of NAU-12. Earliest initiation of germination process was recorded in NAU-9 after 23.50 and 38.25 days of sowing, respectively. Findings of the present study suggested that seeds of CPTs like NAU-12, NAU-9 and NAU-17 performed better on germination and vigour traits. Hence, seeds of these candidate plus trees can be employed to develop quality planting material for farm forestry.

Keywords: Malabar neem, *Melia dubia*, Germination, Vigour
