

EFFECT OF CERTAIN GROWTH REGULATORS ON SEED GERMINATION OF *TECOMELLA UNDULATA* G. DON. (MARWAR TEAK)

U. Jain, D.K. Soni and R.P. Ahrodia

The seeds of Tecomella undulata showed very poor germination rate due to seed dormancy. To break the dormancy, seeds were subjected to various growth regulators treatments. Lower concentrations of growth regulators promoted the germination, among them gibberellic acid proved to be the best chemical which showed 93.33% germination at 10ppm concentration but 500 and 1000 ppm show considerable reduction in germination of seeds. This may be due to presence of endogenous auxins in the seeds and higher concentration than the optimum level proved to be inhibitory.

1. Assistant Professor 'Botany Department, University of Raiasthan, Jaipur 302004