

IN VITRO PROPAGATION OF *PAEDERIA FOETIDA* LINN. (PRASARANI) THROUGH STEM AND LEAF CULTURE

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*Present paper deals with the experimental trials made on Prasarani (*Paederia foetida* Linn.) for in vitro propagation through stem and leaf culture on MS and B-5 medium supplemented with varying concentrations of IAA, Kn and BAP. The results showed that out of all the growth regulators tried for multiple shooting, MS medium supplemented with BAP (2.5 mg/l) + IAA (5 mg/l) was found most suitable showing regeneration of 3-4 shoots from apical bud. In case of nodal sector MS medium supplemented 2.5 mg/l BAP + 5 mg/l IAA was found most suitable for multiple shooting showing regeneration of 3-4 shoots after 28 days. The callus developed from leaf culture on MS medium*

supplemented with BAP (2mg/l) + IAA (2.5 mg/l) 10-12 shoots from the marginal parts of the callus followed by additional 10-12 shoots from the central part of the callus in 3 weeks after inoculation.

Full strength MS medium having 2 mg/l IAA was found better for rooting and rooted plantlets were subjected to gradual hardening process from vermiculite (Soilrite) to finally in the field, where 50% survival rate was observed.

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