

## ***IN VITRO* MULTIPLE SHOOT REGENERATION FROM SHOOT TIP**

### **EXPLANTS OF *SPERMACOCE ARTICULARIS L. F.***

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#### **ABSTRACT**

An efficient in vitro propagation protocol through shoot tip explants culture was developed for *Spermacoce articularis* L. f. shoot tip explants of in vitro grown 1 month old seedlings were cultured on MS basal medium supplemented with BAP and combination with KIN were differentiated into shoots directly. The shoots could be easily multiplication on MS Medium supplemented with 5-25  $\mu$ M (BAP) along with KIN (5-25  $\mu$ M). The establishment efficiency of in vitro from plantlets in pots containing a mixture of sand: vermiculate soil (1:1) was more than 90%. This rapid regeneration protocol an average of 15 plantlets was able to produce from single set of treatment.

**KEYWORDS:** *Spermacoce articularis* L. f. Direct Regeneration, Shoot Tip Culture