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## *In vitro* studies on *Achyranthes coynei* Santapau for micropropagation

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*Achyranthes coynei* Santapau, a rare, endemic medicinal plant was successfully propagated *in vitro* using apical shoot tips as explants. A combination of 3.0 mg.L<sup>-1</sup> of 6- Benzylaminopurine (BAP), 0.5 mg.L<sup>-1</sup> Thidiazuron (TDZ) and 0.5 mg.L<sup>-1</sup> Kinetin (KN) in Murashige and Skoog (MS) agar-solidified medium proved the best combination for multiple shoot induction, yielding 408 shoots per explants after 60 days of culture. The shoots were rooted with a frequency of 80% after 30 days of culture on MS agar medium fortified with IBA/NAA (0.5 mg.L<sup>-1</sup>) before being acclimatized in the green house.

### Biography

Pramod H J is the Professor and Head, Department of Pharmaceutical Biotechnology, KLE University, College of Pharmacy, India and he has completed his BPharm degree from Kuvempu University, Shivamogga and MPharm degree with distinction from Rajiv Gandhi University of Health Sciences, Bangalore. He was awarded PhD in Pharmacy from Rajiv Gandhi University of Health Sciences under AICTE sponsored quality improvement program. He has been awarded Batch of the Best Award from ZyduS-Indon Cadila Health Care Ltd, Ahmedabad. His areas of research interest are herbal formulations/excipients, bio-surfactants, traditional medicines and its screening for various pharmacological activities and jointly collaborated with Regional Medical Research Centre, ICMR on tissue culture studies of Medicinal Plants from Western Ghats region.

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