

## **IN VITRO PROPAGATION OF *SPHAGNETICOLA TRILOBATA* (L.) PRUSKI**

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### **REFERENCES**

- Baskaran P., Jayabalan N. (2005). An efficient micropropagation system for *Eclipta alba* – a valuable medicinal plants. *In Vitro Cellular and Developmental Biology-Plant*, 41: 532-539.
- Bohlmann F., Ziesche J., King R. M., Robinson H. (1981). Eudesmanolides and diterpenes from *Wedelia trilobata* and an ent-kaurenic acid derivative from *Aspilia parvifolia*. *Phytochemistry*, 20: 751-756.
- Dhaka N., Kothari S. L. (2005). Micropropagation of *Eclipta alba* (L.) Hassk. – an important medicinal plant. *In Vitro Cellular and Developmental Biology-Plant*, 41: 658-661.
- Emmanuel S., Ignacimuthu S., Kathiravan K. (2000). Micropropagation of *Wedelia calendulacea* Less., a medicinal plant. *Phytomorphology*, 50: 195-200.
- Huang X. S., Jiang R. W., Ooi V. E. C. (2003). Trilobolide-6-*O*-isobutyrate, a eudesmanolide from *Wedelia trilobata*. *Acta Crystallographica*, E 59: 771-772.
- Huang X., Ou S., Tang S., Fu L., Wu J. (2006). Simultaneous Determination of Trilobolide-6-*O*-Isobutyrate A and B in *Wedelia trilobata* by Gas Chromatography. *Chinese Journal of Chromatography*, 24: 499-502.
- Husain M. K., Anis M. (2006). Rapid *in vitro* propagation of *Eclipta alba* (L.) Hassk. through high frequency axillary shoot proliferation. *Acta Physiologiae Plantarum*, 28: 325-330.
- Komalavalli N., Rao M. V. (1997). *In vitro* micropropagation of *Gymnema elegans* W & A – a rare medicinal plant. *Indian Journal of Experimental Biology*, 35: 1088-1092.
- Madhavan S., Balu S. (1995). Rapid multiplication of *Wedelia chinensis* (Osbeck) Merr. – a valuable medicinal herb. *Ancient Science of Life*, 15: 75-78.
- Martin K. P., Beena M. R., Joseph D. (2003). High frequency axillary bud multiplication and *ex vitro* rooting of *Wedelia chinensis* (Osbeck) Merr. – a medicinal plant. *Indian Journal of Experimental Biology*, 41: 262-266.
- Murashige T., Skoog F. (1962). A revised for rapid growth and bioassays with tobacco tissue cultures. *Physiologia Plantarum*, 15: 473-497.
- Sivanesan I. (2007). Direct regeneration from apical bud explants of *Withania somnifera* Dunal. *Indian Journal of Biotechnology*, 16: 125-127.
- Sivanesan I., Jeong B. R. (2007a). Micropropagation and *in vitro* flowering in *Pentanema indicum* Ling. *Plant Biotechnology*, 24: 527-532.
- Sivanesan I., Jeong B. R. (2007b). Direct shoot regeneration from nodal explants of *Sida cordifolia* Linn. *In Vitro Cellular and Developmental Biology-Plant*, 43: 436-441.
- Sivanesan I., Lee Y. M., Song J. Y., Jeong B. R. (2007). Adventitious shoot regeneration from leaf and petiole explants of *Campanula punctata* var. *rubriflora*. *Propagation of Ornamental Plants*, 7: 210-215.
- Sivanesan I., Murugesan K. (2005). *In vitro* adventitious shoot formation from leaf explants of *Withania somnifera* Dunal. *Plant Cell Biotechnology and Molecular Biology*, 6: 163-166.
- That O. T., Jossang J., Jossang A., Kim P. P. N., Jaureguiberry G. (2007). Wedelolides A and B: Novel Sesquiterpene  $\delta$ -Lactones, (9*R*)-Eudesman-9,12-olides, from *Wedelia trilobata*. *Journal of Organic Chemistry*, 72: 7102-7105.
- Tiwari V., Tiwari K. N., Singh B. D. (2001). Comparative studies of cytokinins on *in vitro* propagation of *Bacopa monniera*. *Plant Cell, Tissue and Organ Culture*, 66: 9-16.