

**MICROPROPAGATION OF THE BAMBOO ORCHID
(*ARUNDINA GRAMINIFOLIA* (D. DON) HOCHR.)
THROUGH PROTOCORM-LIKE-BODIES USING NODE EXPLANTS**

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REFERENCES

- Alam M. F., Sinha P., Hakim M. L. (2006). Mass clonal propagation of *Vanda teres* (Roxb.) Lindle through *in vitro* culture of nodal segments. Propagation of Ornamental Plants, 6: 140-144.
- Bhadra, S. K., Bhowmik T. K. (2005). Axenic germination of seeds and rhizome-based micropropagation of an orchid *Arundina graminifolia* (D. Don.) Hochr. Bangladesh Journal of Botany, 34: 59-64.
- Chen Z-L., Zeng S-J., Wen T-L., Duan J. (2006). Asepsis sowing and *in vitro* propagation of *Arundina graminifolia* Hochr. Plant Physiology Communications, 42: 66.
- Chen J. T., Chang W. C. (2000). Plant regeneration via embryo and shoot formation from flower-stalk explants of *Oncidium* 'Sweet Sugar'. Plant Cell, Tissue and Organ Culture, 62: 95-100.
- Chen Y. C., Piluek C. (1995). Effects of thidiazuron and N⁶-benzylaminopurine on shoot regeneration of *Phalaenopsis*. Plant Growth Regulation, 16: 99-101.
- Ket N. V., Hahn E. J., Park S. Y., Chakrabarty D., Paek K. Y. (2004). Micropropagation of an endangered Orchid *Anoectochilus formosanus*. Biologia Plantarum, 48: 339-344.
- Košir P., Škof S., Luthar Z. (2004). Direct shoot regeneration from nodes of *Phalaenopsis* orchids. Acta Agriculturae Slovenica, 83: 233-242.
- Lee Y-I., Lee N. (2003). Plant regeneration from protocorm-derived callus of *Cypripedium formosanum*. In Vitro Cellular and Developmental Biology-Plant, 39: 475-479.
- Liu M-F., Ding Y., Zhang D-M. (2005). Phenanthrene constituents from rhizome of *Arundina graminifolia*. Zhongguo-Zhong-Yao-Za-Zhi, 30: 353-356.
- Martin K. P., Madassery J. (2006). Rapid *in vitro* propagation of *Dendrobium* hybrids through direct shoot formation from foliar explants, and protocorm-like bodies. Scientia Horticulturae, 108: 95-99.
- Martin K. P., Geevarghese J., Joseph D., Madassery J. (2005). *In vitro* propagation of *Dendrobium* hybrids using flower stalk node explants. Indian Journal of Experimental Biology, 43: 280-285.
- Murashige T., Skoog F. (1962). A revised medium for rapid growth and bioassays for tobacco tissue cultures. Physiologia Plantarum, 15: 473-497.
- Nayak N. R., Sahoo S., Patnaik S., Rath S. P. (2002). Establishment of thin cross section (TCS) culture method for rapid micropropagation of *Cymbidium aloifolium* (L.) Sw. and *Dendrobium nobile* Lindl. (Orchidaceae). Scientia Horticulturae, 94: 107.
- Park S.-Y., Murthy H. N., Paek K.-Y. (2002). Rapid propagation of *Phalaenopsis* from floral stalk-derived leaves. In Vitro Cellular Developmental Biology-Plant, 38: 168-171.
- Sinha P., Hakim M. L., Alam M. F. (2007). Efficient micropropagation of *Phalaenopsis amabilis* (L.) Bl. cv. 'Cool Breeze' using inflorescence axis thin sections as explants. Propagation of Ornamental Plants, 7: 9-15.
- Tan Nhut D., Thi Thu Thuy D., Trinh Don N., Quoc Luan V., Thanh Hai N., Tran Thanh Van K., Chinnappa C. C. (2007). *In vitro* stem elongation of *Paphiopedilum delenatii* Guillaumin and shoot regeneration via stem node culture. Propagation of Ornamental Plants, 7: 29-36.
- Thomas S., Blakey S. (1993). *Arundina graminifolia*: clarifying the taxonomy of the bamboo orchid. American Orchid Society Bulletin, 62: 380-385.