

**IN VITRO PROPAGATION OF *CHIRITA HETEROTRICHA* MERR.**

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**REFERENCES**

- Bilkey P. C., Mccown B. H., Hildebrandt A. C. (1978). Micropropagation of african violet from petiole cross-sections. *HortScience*, 13: 37-38.
- Corrêa L. R., Paim D. C., Schwambach J., Fett-Neto A. G. (2005). Carbohydrates as regulatory factors on the rooting of *Eucalyptus saligna* Smith and *Eucalyptus globulus* Labill. *Plant Growth Regulation*, 45: 63-73.
- Feyissa T., Welander M., Negash L. (2005). Micropropagation of *Hagenia abyssinica*: a multipurpose tree. *Plant Cell, Tissue and Organ Culture*, 80: 119-127.
- Hander W. (1983). Effects of some growth regulators on *in vitro* flowering of *Streptocarpus nobilis*. *Plant Cell Reports*, 2: 133-136.
- Kukulczanka K., Suszynska G. (1972). Regenerative properties of *Saintpaulia ionantha* Wendl. leaves cultured *in vitro*. *Acta Societatis Botanicorum Poloniae*, 41: 503-510.
- Li Z. Y., Wang Y. Z. (2004). *Plants of Gesneriaceae in China*. Henan Science and Technology Publishing House, Zhengzhou, China, 665 pp.
- Malda G., Suzan H., Backhaus R. (1999). *In vitro* culture as a potential method for the conservation of endangered plants possessing crassulacean acid metabolism. *Scientia Horticulturae*, 81: 71-87.
- Malik S. K., Chaudhury R., Kalia R. K. (2005). Rapid *in vitro* multiplication and conservation of *Garcinia indica*: A tropical medicinal tree species. *Scientia Horticulturae*, 106: 539-553.
- Mithila J., Hall J., Victor J. M. R., Saxena P. (2003). Thidiazuron induces shoot organogenesis at low concentrations and somatic embryogenesis at high concentrations on leaf and petiole explants of African violet (*Saintpaulia ionantha* Wendl.). *Plant Cell Reports*, 21: 408-414.
- Murashige T., Skoog F. (1962). A revised medium for rapid growth and bioassays with tobacco tissue cultures. *Physiologia Plantarum*, 15: 473-497.
- Newell C. A., Gray J. C. (2005). Regeneration from leaf-base explants of *Lolium perenne* L. and *Lolium multiflorum* L. *Plant Cell, Tissue and Organ Culture*, 80: 233-237.
- Parmaksiz I., Khawar K. M. (2006). Plant regeneration by somatic embryogenesis from immature seeds of *Sternbergia candida* Mathew et T. Baytop, an endangered endemic plan of Turkey. *Propagation of Ornamental Plants*, 6 (3): 128-133.
- Pascual L., Marin J. A. (2005). A liquid 2,4-D pulse increased shoot and root regeneration from leaf explants of adult *Prunus* rootstocks. *Scientia Horticulturae*, 106: 582-592.
- Peck D. E., Cumming B. G. (1984). *In vitro* vegetative propagation of cape primrose using the corolla of the flower. *HortScience*, 19: 399-400.
- Prem D., Singh S., Gupta P. P., Singh J., Kadyan S. P. S. (2005). Callus induction and *de novo* regeneration from callus in guar (*Cyamopsis tetragonoloba*). *Plant Cell, Tissue and Organ Culture*, 80: 209-214.
- Song G. Q., Sink K. C. (2005). Optimizing shoot regeneration and transient expression factors for *Agrobacterium tumefaciens* transformation of sour cherry (*Prunus cerasus* L.) cultivar Montmorency. *Scientia Horticulturae*, 106: 60-69.
- Start N. D., Cumming B. G. (1976). *In vitro* propagation of *Saintpaulia ionantha* Wendl. *HortScience*, 11: 204-206.
- Wang W. T. (1990). *Flora Reipublicae Popularis Sinicae* (Tomus 69), Science Press. Beijing, 368 pp.