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NODAL ENCAPSULATION OF *CERCIDIPHYLLUM JAPONICUM* SIEB & ZUCC. AND *CERCIDIPHYLLUM MAGNIFICUM* NAKAI

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REFERNCES

Andrews S. (1998). Tree of the year: *Cercidiphyllum japonicum*. *In*: International Dendrology Society Yearbook, Dendrology Charitable Company Publishers: 17-46.

Brown R. W. (1939). Fossil leaves, fruits, and seeds of *Cercidiphyllum*. Journal of Paleontology, 13: 485-499.

Compton M. E. (1994). Statistical methods suitable for the analysis of plant tissue culture data. Plant Cell, Tissue and Organ Culture, 37: 217-242.

DeVore M. L., Pigg K. B. (2013). Paleobotanical evidence for the origins of temperate hardwoods. International Journal of Plant Sciences, 174: 592-601.

Dosmann M. S. (1999). Katsura: a review of *Cercidiphullum* in cultivation and in the wild. New Plantsman, 6: 52-62.

Fu S., Hu H., Zhang Q., Fang Y., Shen Z., Gao Y. (2012). *In vitro* propagation of katsura tree (*Cercidiphyllum japonicum* Sieb. & Zucc), an endangered plant in China. African Journal of Biotechnology, 11: 14911-14919.

Haag R. (1982). The magnificent katsura: tree of the future. University of Washington Arboretum Bulletin. University of Washington Publisher, 45: 2-5.

Hoffman J., Schultes H. (1853). Noms indigenes d'un choix de plantes du Japon et de la Chine. Imprimerie Imperiale Publishers, France, 114 pp.

Krassilov V. (2010). Comparison with extant *Cercidiphyllum* and fossil allies. *In*: Krassilov V. (Ed.). *Cercidiphyllum* and fossil allies: morphological interpretation and general problems of plant evolution and development. Pensoft Publishers: 59-71.

Liu K. B. (1988). Quaternary history of the temperate forests of China. Quaternary Science Review, 7: 1-20.

Lloyd G., McCown B. (1980). Commercially-feasible micropropagation on mountain laurel, *Kalmia latifolia*, by use of shoot tip culture. Combined Proceedings, International Plant Propagators' Society, 30: 421-427.

Ozden-Tokatli Y., Carlo A. D., Gumusel F., Pignattelli S., Lambardi M. (2008). Development of encapsulation techniques for the production and conservation of synthetic seeds in ornamental plants. Propagation of Ornamental Plants, 8: 17-22.

Patel A. V., Pusch I., Mix-Wagner G., Vorlop K. D. (2000). A novel encapsulation technique for the production of artificial seeds. Plant Cell Reports, 19: 868-874.

Pinker I., Abdel-Rahman S. S. A. (2005). Artificial seeds for propagation of *Dendranthema* × *grandiflora*. Propagation of Ornamental Plants, 5: 186-191.

Preece J. (2008). Stock plant physiological factors affecting growth and morphogenesis. *In*: George E. F., Hall M. A., De Klerk G.-J. (Eds). Plant propagation by tissue culture. 3rd edition. Springer, Dordrecht, Netherlands: 403-422.

Qi X., Chen C., Comes H. P., Sakaguchi S., Liu Y., Tanaka N., Sakio H., Qiu. Y. (2012). Molecular data and ecological niche modeling reveal a highly dynamic evolutionary history of the East Asian Tertiary relict *Cercidiphyllum* (Cercidiphyllaceae). New Phytologist, 196: 617-630.

Qian H., Wang S., He J., Zhang J., Wang L., Wang X., Guo K. (2006). Phytogeographical analysis of seed plant genera in China. Annals of Botany, 98: 1073-1084.

Redenbaugh K., Ruzin S. E. (1989). Artificial seed production and forestry. *In*: Dhawan V. (Ed.). Application of Biotechnology in Forestry and Horticulture. Plenum Press, New York: 57-71.

Stockey R. A., Crane P. R. (1983). *In situ Cercidiphyllum*-like seedlings from the Paleocene of Alberta, Canada. American Journal of Botany, 70: 1564-1568.

Tsvetkov I., Jouve L., Hoffmann L., Hausman J. F. (2007). The medium composition differentially affects regrowth characteristics in *in vitro*-derived encapsulated shoot tips of *Populus euphratica* Oliv. Propagation of Ornamental Plants, 7: 180-183.

Webb C. O., Slik J. W., Triono F. T. (2010). Biodiversity inventory and informatics in Southeast Asia. Biodiversity and Conservation, 19: 955-972.

West T. P., Preece J. E. (2006). Use of acephate, benomyl and alginate encapsulation for eliminating culture mites and fungal contamination from *in vitro* cultures of hardy hibiscus (*Hibuscus moscheutos* L.). In Vitro Cellular & Developmental Biology – Plant, 42: 301-304.

West T. P., Ravindra M. B., Preece J. E. (2006). Encapsulation, cold storage, and growth of *Hibiscus moscheutos* nodal segments. Plant Cell, Tissue and Organ Culture, 87: 223-231.

Whiteman G., Hope C., Wadhams P. (2013). Vast costs of Arctic change. Nature, 499: 401-403.

Wolfe J. A. (1997). Relations of environmental change to angiosperm evolution during the late Cretaceous and Tertiary. *In*: Iwatsuki K., Raven P. H. (Eds). Evolution and diversification of land plants. Springer-Verlag, Tokyo: 269-290.