

เอกสารอ้างอิง

- ข่าวเศรษฐกิจการเกษตร. 2545. อ้อยและน้ำตาล. สำนักงานเศรษฐกิจการเกษตร กระทรวงเกษตร และสหกรณ์. 48(542):22-23.
- นิต ธนาบรินูรณ์. 2527. การศึกษามิวเตชั่นที่เกิดจากการเดี้ยงเนื้อเยื่ออ้อย วิทยานิพนธ์ปริญญาโท จุฬาลงกรณ์มหาวิทยาลัย, กรุงเทพฯ.
- บุญยืน กิจวิจารณ์. 2527. การขยายพันธุ์อ้อยโดยการเพาะเดี้ยงใบอ่อน. รายงานการประชุมทางวิชา การครั้งที่ 22 ณ. มหาวิทยาลัยเกษตรศาสตร์.
- ประเสริฐ ฉัตรชีรธรรมย์. 2542. อ้อย ใน คณาจารย์ภาควิชาพืชไร่นา คณะเกษตร มหาวิทยาลัย เกษตรศาสตร์. พีชเศรษฐกิจ. สำนักพิมพ์มหาวิทยาลัยเกษตรศาสตร์, กรุงเทพฯ
- Aftab, F. and Y. Zafar. 1999. Plant regeneration from protoplasts derived from cell suspension of adventitious somatic embryos in sugarcane (*Saccharum* spp. hybrid cv. CoL-54 and cv. CP-43/44). *Plant Cell, Tiss. and Org. Cult.* 56:152-162.
- Aftab, F., Y. Zafar, K.A. Malik and J. Iqbal. 1996. Plant regeneration from embryogenic cell suspension and protoplasts in sugarcane (*Saccharum* spp. hybrid cv. CoL-54). *Plant Cell, Tiss. and Org. Cult.* 44:71-78.
- Anandarajah K. and B. D. McKersie. 1990. Enhanced vigour of dry somatic embryos of *Medicago sativa* L. with increased sucrose. *Plant Sci.* 71: 261-266.
- Anandarajah, K., L. Kitto, W. D. Beversdorf and B. D. McKersie. 1991. Induction of desiccation tolerance in microspore-derived embryos of *Brassica napus* L. by thermal stress. *Plant Sci.* 77:119-123.
- Attree, S. M., D. Moore, V. R. Sawhney, L. C. Fowke. 1991. Enhanced maturation and desiccation tolerance of white spruce (*Picea glauca* [Moench] Voss) somatic embryos: Effects of a non-plasmolysing water stress and abscisic acid. *Ann. Bot.* 68: 519-525.
- Bapat, V.A. and P.S. Rao. 1988. Sandalwood plantlets from synthetic seeds. *Plant Cell Reports.* 7:434-436.
- Barba, R and L.G. nickell. 1969. Nutrition and organ differentiation in tissue culture of sugarcane, A monocotyledon. *Plant (Berl)* 89:229-302.

- Black M. 1991. Involvement of ABA in the physiology of developing and mature seeds. In: Davies W. J. and John H. J. (eds) *Abscisic acid Physiology and Biochemistry Environmental Plant Biology series*. Bios Scientific Publishers. pp 99-124.
- Brown, D. C. W., E. M. Watson and P. M. Pechan. 1993. Induction of desiccation tolerance in microspore-derived embryos of *Brassica napus*. *In Vitro Cell. Dev. Biol.* 29: 113-118.
- Crouch M.L., K. Tenbarge, A. Simon, R. Finkelstein, S. Scofield and L. Solberg. 1985. Storage protein mRNA levels can be regulated by abscisic acid in *Brassica* embryos. In: van Vloten-Doting L, Groot G.S.P. and Hill T.C. (Eds). *Molecular Form and Function of Plant Genome*. Plenum Press, New York. pp 555-566.
- Elstner, E. F. 1982. Oxygen activation and oxygen toxicity. *Annu. Rev. Plant Physiol.* 33:73.
- Finkelstein, R.R., K.M. Tenbarge, J.E. Shumway, and M.L. Crouch. 1985. Role of ABA in maturation of rapeseed embryos. *Plant Physiology.* 78: 630-636.
- Fitch M.M.M. and P.H. Moore. 1993. Long term culture of embryogenic of embryogenic sugarcane callus. *Plant Cell, Tiss. and Org. Cult.* 32:335-343.
- Gray, D. J. 1987. Quiescence in monocotyledonous and dicotyledonous somatic embryos induced by dehydration. *Hort Science.* 22:810-814.
- Gray, D. J. 1989. Effects of dehydration and exogenous growth regulators on dormancy, quiescence and germination of grape somatic embryos. *In Vitro Cell Dev. Biol.* 25:1173-1178.
- Gray, D. J. and Purohit. 1992. Somatic embryogenesis and development of synthetic seed technology. *Hort. Abstr.* 62(1): 20.
- Guiderdoni E., B. Merot, T. Eksomtramage, F. Paulet, P. Feldmann and J.C. Glaszmann. 1995. Somatic embryogenesis in sugarcane (*Saccharum* species). In:Bajaj Y.P.S (Eds) *Somatic embryogenesis and synthetic seed I (Biotechnology and forestry)*. Springer, Berlin Heidelberg New York. Vol 30: 93-113.
- Heinz, D.J. and G.W.P. Mee. 1969. Plant differentiation from callus tissue of *Saccharum* species. *Crop Sci.* 9:346-348.
- Heinz, D.J. and G.W.P. Mee. 1970. Colchicine induced polyploids from cell suspension cultures of sugarcane. *Crop Sci.* 10:696-699.

- Heinz, D.J., G.W.P. Mee and L.G. Nickell. 1969. Chromosome number of some *Saccharum* species hybrids and their cell suspension culture. *Amer J. Bot.* 56 (4): 450-456.
- Heinz, D.J., M. Krishnamurthi, L.G. Nickell and A. Maretzki. 1977. Cell tissue and organ culture in sugarcane improvement. In J. Riemert and Y.P.S. Bajaj (eds.). *Applied and Fundamental Aspects of Plant Cells, Tissue and Organ Culture*, Springer-Verlag, Berlin. pp. 3-17.
- Ho W.J. and I.K. Vasil. 1983a. Somatic embryogenesis in sugarcane (*Saccharum officinarum* L.) 1. The morphology and physiology of callus formation and the ontogeny of somatic embryos. *Protoplasma* 118:169-180.
- Ho W.J. and I.K. Vasil. 1983b. Somatic embryogenesis in sugarcane (*Saccharum officinarum* L.): growth and plant regeneration from embryogenic cell suspension cultures. *Ann Bot* 51:719-726.
- Iida, Y., K. Watabe, H. Kamada and H. Harada. 1992. Effect of abscisic acid on the induction of desiccation tolerance in carrot somatic embryos. *Journal of Plant Physiology.* 140: 356-360.
- Islam, R., S.A. Haider, M.A. Alam, O.I. Joarder. 1996. High frequency somatic embryogenesis and plant regeneration in sugarcane. *Rice Biotechnology Quarterly.* 25:8.
- Kim, Y. H. and J. Janick. 1990. ABA and Polyox-encapsulation or high humidity increases survival of desiccated somatic embryos of celery. *Hort Science.* 24:674-676.
- King, R. W. 1976. Abscisic acid in developing wheat grains and its relationship to grain growth and maturation. *Planta.* 132:43-51.
- Kitto, S. L. and J. Janick. 1985. Hardening treatment increase survival of synthetically coated asexual embryos of carrot. *J. Amer. Soc. Hort. Sci.* 110: 283-286.
- Krishnamurthi, M. and J. Tlakal. 1974. Fiji disease resistant *Saccharum officinarum* var Pindar sub-clones from tissue cultures. *Proc. Int. Soc. Sugar Cane Technol.* 15:130-137.
- Lecouteux, C., H. Tessereau, B. Florin, D. Courtois and V. Petiard. 1994. Preservation of somatic embryos of carrot (*Daucus carota* L.) by dehydration after pretreatment with sucrose. *Hort. Abstr.* 64(2): 1192.

- Liu, J. R., J. H. Jeon, S. G. Yang, H. S. Lee, N. H. Song and W. J. Jeong. 1992. Dry type of carrot (*Daucus carota L.*) artificial seeds. *Scientia Hort.* 51:1-11.
- Liu, M.C. 1981. *In vitro* Methods applied to sugarcane improvement. In *Plant Tissue Culture Method and Application in Agriculture*. Academic Press, New York. pp. 229-323.
- Liu, M.C. 1993. Factors affecting induction, somatic embryogenesis and plant regeneration of callus from cultured immature inflorescences of sugarcane. *Journal of Plant Physiology*. 141(6):714-720.
- Liu, M.C. and W.H. Chen. 1974. Histological studies on the origin and process of plantlet differentiation in sugarcane callus mass. *Proc. Int. Soc. Sugar Cane Technol.* 15:118-128.
- Marsolais A. A., D. P. M. Wilson, M. J. Tsujita and T. Senaratna. 1991. Somatic embryogenesis and artificial seed production in zonal (*Pelargonium x hortorum*) and regal (*Pelargonium x domesticum*) geranium. *Can. J. Bot.* 69:1188-1193.
- Murashige, T. and F. Skoong. 1962. A revised medium for rapid growth and bioassays with tobacco tissue culture. *Physiol. Plant.* 15:473-479.
- Nadar, H., M. Soeprapto, S. Heinz, D.J. and S.L. Ladd. 1978. Fine structure of sugarcane (*Saccharum* sp.) callus and the role of auxin in embryogenesis. *Crop Sci.* 18:210-216.
- Nadar, H.M. and D.J. Heinz. 1977. Root and shoot development from sugarcane callus tissue. *Crop Sci.* 17:814-816.
- Naik, G.R. and N.R. Chikkagouda. 1997. Production and regeneration of synthetic seeds in sugarcane (*Saccharum officinarum* L.). *Indian Sugar.* 47(2): 125-130.
- Nickell L.G., A. Maretzki. 1969. Growth of suspension cultures of sugarcane in chemically defined medium. *Physiol. Plant* 22:117-125.
- Nieves, N., R. Tapia, R. Castillo, M.A. Gonzalez Blanco, J.L. Sanchez, M. Martinez M.E. 1999. Somatic embryos of sugarcane (*Saccharum* sp. Cv. CP 52-43) encapsulation in alginate. *Cultivos de Tropicales.* 20(4): 23-28.
- Obendorf, R. L. and J. Slawinska. 1986. Somatic embryogenesis from cotyledonary tissue of soybean and maturation to a desiccation tolerance state. In *Vitro Cell. Dev. Biol.* 22:53A
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- Oropeza, M., A.K. Marcano and E.D. Garcia. 2000. Proteins related with embryogenic potential in callus and cell suspension of sugarcane (*Saccharum sp.*). In *Vitro Cell. Dev. Biol. Plant.* 37:211-216.
- Quatrano R.S. 1986. Regulation of gene expression by abscisic acid during angiosperm embryo development. In: Miffin B.J. (Ed) Oxford Surveys of Plant Molecular and Cell Biology 3. Oxford Univ Press, New York. pp 476-477.
- Radenbaugh, K. 1993. Introduction. In: Radenbaugh K (ed). *Synseed: applications of synthetic seeds to crop improvement*. CRC Press, Boca Raton, Fla., pp 3-10.
- Radenbaugh, K., D. Slade, P. Viss and J. A. Fujii. 1987. Encapsulation of somatic embryos in synthetic seed coats. *Hort Science* 22(5):803-809.
- Reinert, J. and Y.P.S. Bajaj. 1977. *Plant Cell Tissue and Organ Culture*. Springer-Verlage, Berling. 803 p.
- Robert, D. R., B. S. Flinn, D. T. Webb, F. B. Webster and C. S. Sutton. 1990. Abcyclic acid and Idole-3-butrylic acid regulation of maturation and accumulation of storage protein in somatic embryos of interior spruce. *Physiol. Plant.* 78:355-360.
- Robichaud C.S., J. Wong and I.M. Sussex. 1980. Control of *in vitro* growth of viviparous embryo mutants of maize by abscisic acid. *Devlop. Gen.* 1:325-330.
- Ruffoni, B., F. Massabo and A. Giovannini. 1993. Artificial seed technology in the ornamental species *Lisianthus* and *Genista*. *Acta Hort.* 362:297-304.
- Senaratna, Y., B. D. McKersie and S. R. Bowley. 1989. Desiccation tolerance of alfalfa (*Medicago sativa L.*) somatic embryos influence of abscisic acids, stress pretreatments and drying rates. *Plant Sci.* 65:253-259.
- Senaratna, Y., B. D. McKersie and S. R. Bowley. 1990. Artificial seed of alfalfa (*Medicago sativa L.*). Induction of desiccation tolerance in somatic embryos. In *Vitro Cell Dev. Biol.* 26: 85-90.
- Skriver, K. and J. Mundy. 1990. Gene expression to abscisic acid and osmotic stress. *Plant Cell* 2:503-512.

- Suzuki, Y., S. Kuroguchi, N. Murofushi, Y. Ota and N. Takahashi. 1981. Seasonal changes of GA₁, GA₁₉, and abscisic acid in three rice cultivars. *Plant and Cell Physiology* 22:1085-1093.
- Takahata Y., D. C. W. Brown, W. A. Keller and N. Kaizuma. 1993. Dry artificial seed and desiccation tolerance induction in microspore-derived embryos of broccoli. *Plant Cell, Tiss. and Org. Cult.* 35: 121-129.
- Taylor, P.W.J., H.L. Ko, S.W. Adkin, C. Rathus and R.G. Birch. 1992. Establishment of embryogenic callus and high protoplast yielding suspension cultures of sugarcane (*Saccharum* spp. Hybrids). *Plant Cell, Tiss. and Org. Cult.* 28:69-78.
- Tetteroo, F. A. A., F. A. Hoekstra and C. M. Karssen. 1995. Induction of complete desiccation tolerance in carrot (*Daucus carota*) embryoids. *Journal of Plant Physiology*. 145:349-356.
- Timbert, R., J. N. Barbotin and D. Thomas. 1996. Enhancing carrot somatic embryos survival during slow dehydration, by encapsulation and control of dehydration. *Plant Sci.* 120:215-222.
- Visessuwan R., P. Chiemsobat, K. Naritoom and M. Surijachaijakorn .1999. Role of growth regulators in meristem culture and production of virus-free sugarcane germplasm. *Sugar Tech* 1(3): 82-88.