

## 6. LITERATURE CITED

- Al-Hassan, S.M.; P. Lazurm and S. Hamon (1998):**  
Genetical diversity and identification of some Moroccan date palm cultivars through (RAPD). Scientifical symposium on date palm researches, Morocco, 16-18 Feb. 1998 pp. 193-197. Edited by: Date palm Research and Development Network the Arab center for the studies of Arid Zones and Drylands Damascus, Syria.
- Al-Tiraif, A.; A. Rabouma and M. Al- Marakishi (1998):**  
Identification of some Tunisian date palm cultivars through (RAPD). Scientifical symposium on date palm researches, Morocco, 16-18 Feb. 1998 pp. 198-208. Edited by: Date palm Research and Development Network. The Arab center for the studies of Arid Zones and Dry lands. Damascus, Syria.
- Aruna, M., M. E. Austin and P. O. Akins (1995):**  
Randomly amplified polymorphic DNA fingerprinting for identifying rabbiteye blueberry (*Vaccinium ashei* Reade) cultivars. J. Amer. Soc. Hort. Sci. 120 (5): 710-713.
- Autio, W. R., J. R. Schupp, D. C. Ferree, R. Glavin and D. Mulcahy (1998):** Application of RAPDS to DNA extracted from apple rootstocks. HortScience 33(2): 333-335.

- Barlass, M. and K. G. M. Skene (1982):** *In vitro* plantlets formation from citrus species and hybrids. Scientia-Horticulture, 17 (4): 333-341.
- Bartolozzi, F., M. L. Warburton, S. Arulsekar and T. M. Gradziel (1998):** Genetic characterization and relatedness among California almond cultivars and breeding lines detected by randomly amplified polymorphic DNA (RAPD) analysis. J. Amer. Soc. Hort. Sci. 123(3): 381-387.
- Baruah, A.; V. Nagaraju and V. A. Parthasarathy, (1995):** Cytokinin mediated response in shoots of *C. grandis*, Osbeck. Annals of Plant Physiology, 9(1): 13-16 [Hort. Abst. 65(12): 11074].
- Baruah, A.; V. Nagaraju and V. A. Parthasarathy, (1996):** Micropropagation of three endangered citrus species. 1. Shoot proliferation in vitro. Annals of Plant Physiology, 10 (2): 124-128.
- Bayomy, M. K. (1998):** Studies on micropropagation of pomes. M. Sc. Thesis Hort. Dept. Fac. of Agric. Moshtohor, Zagazig University.
- Belkoura, I.; M. Ismaili, J. Vasseur, J. Dubois and T. Dubois (1995):** Secondary somatic embryogenesis and plant regeneration of *Troyer citrange* from hypocotyl segments of nucellar embryos. Fruits Paris, 50 (5): 353-358.

- Beloualy, N. (1991):** Plant regeneration from callus culture of three citrus rootstocks. *Plant Cell, Tissue and Organ Culture* 24(1): 29-34 [Hort. Abst. 63(2): 1571].
- Benega, R; L. Viciado; J. Martinez; E. Castillo; A. Cisneros; M. Romero; M. Isidron; Z.J. Fernande and E. Arias (1996):** Effect of gamma irradiations on pineapple pollen germination and tube growth. *Fruits Paris*, 51 (6): 425-428.
- Can, C.; N. Koc and A. Cinar, (1992):** *In vitro* clonal propagation of sour orange (*Citrus aurantium* var. Brazilia) by using epicotyl Segments. *Doga, Turk Tarim Ve ormancilik Deigisi*, 16(1): 132-139.[Hort. Abst. 63(10): 7987].
- Carimi, F.; M.C. Tortorici; F. Pasqual, F.G. Crescimanno and F. de-Pasquale (1998):** Somatic embryogenesis and plant regeneration from undeveloped ovules and stigma style explants of sweet orange navel group (*Citrus sinensis* L. Osb.). *Plant Cell, Tissue and Organ Culture*, 54 (3): 183-189.
- Chaturvedi, H.C. and A.K. Sharma (1985):** Production of androgenic plants of *Citrus aurantifolia* *Journal of Plant Physiology*, 19 (5): 473-477.
- Chen, Z.G. (1985):** A study of induction of plants from citrus pollen. *Fruit Varieties Journal*, 39 (2): 44 – 50.

- Choudhary, M.L. (1991):** Vegetative propagation of Carnation *in vitro* through multiple shoot development. Indian Journal of Horticulture, 48(2): 177-181.
- Das, K.; R.R. Sinha; S.N. Potty and M.R. Sethuraj (1994):** Embryogenesis from anther derived callus of *Hevea brasiliensis* Muell. Arg. Indian Journal of Hill Farming, 7 (1): 90-95.
- Delalonde, M.; Y. Barret and M.P. Coumans (1996):** Development of phenolic compounds in maize anthers (*Zea mays*) during cold pretreatment prior to androgenesis Journal of Plant Physiology, 149 (5): 612-616.
- Dellaporta, S.L.; J. Wood and J.B. Hicks (1983):** A plant DNA miniprep. Version III. Plant Mol. Biol. Report. 1: 19-20.
- Deng, Z.A., W.C. Zhang and S. Y. Wan (1991):** Induction of somatic embryogenesis from habituated nucellar calluses in citrus. Journal of Fruit Science, 8 (4): 193-200.
- Duncan, D.B. (1955):** Multiple range and multiple F-tests Biometrics, II: 1-42.
- Duran, V.N.; V. Ortega and L. Navarro, (1989):** Morphogenesis and tissue cultures of three Citrus species. Plant Cell, Tissue and Organ Culture, 16(2): 132-133. [Hort. Abst. 59(9): 7868].

- El-Gindy, F.A. (1990):** Plant regeneration from sour orange and Rangpur lime undeveloped ovule culture. *Annals of Agricultural Science, Moshtohor*, 28 (4): 2407-2417.
- El-Habashy, S. (1998):** *In vitro* propagation and selection for stress tolerance in citrus rootstocks seedlings M. Sc. Thesis, Fac. of Agric., Ain-Shams Univ, Cairo, Egypt.
- Ermakov, I.P.; N.P. Matreera; N.V. Starostenko and D.S. Andreyuk (1996):** Induction of *in vitro* sporophytic development by high – molecular extracellular factors from tobacco microspores. *Doklady, Biological Sciences*, 351 (1-6): 591-592, translated from *Doklady Akademii Nauk* (1996), 351 (3): 423-424.
- Eugenio-Perez, M.B (1997):** *In vitro* plant regeneration of Mexican lime and mandarin by direct organogenesis. *HortScience*, 32 (5): 931-934.
- Farid, S.A. (1997):** Studies on the vegetative propagation of some nut trees. M. Sc. Thesis, Hort. Dept. Fac. of Agric. Moshtohor, Zagazig University.
- Fitchet, M. (1990):** Clonal propagation of Queen and Smooth Cayenne pineapples. *Acta. Horticulturae*. No. 275, 261-266.
- Gajdosechova, E. and Doan Vanlu, (1989):** Rooting of *Poncirus trifoliata* Raf. shoots *in vitro*. *Acta*

Universitatis Agriculturae, Facultas Horticulturae,  
4(1): 41-46.[Hort. Abst. 62(3): 2544].

**Garcia, A.; M. Kanduser; P. Santamarina and J. Guardiola (1992):** Low temperature influence on flowering in citrus. The separation of inductive and bud dormancy releasing effects. *Physiologia Plantarum*, 86 (4): 648-652.

**Germana, M.A.; F.G. Crescimanno; F. de Pasqual; W.Y. Ying and F. Depasquale (1992):** Androgenesis in cultivars of *Citrus limon* L. Burm. F. *Acta Horticulturae*. No. 300, 315-324, *In vitro* Culture. XXIII<sup>rd</sup> International Horticultural congress, Florence, Italy, 30 August 1990.

**Gill, M.I.S.; Z. Singh, B.S. Dhillon; S.S. Gosal and Zora-Singh (1994):** Somatic embryogenesis and plantlet regeneration on calluses derived from seedling explants of kinnow mandarin (*Citrus nobilis* Lour. X *Citrus deliciosa* Tenora). *Journal of Horticultural Science*, 69 (2): 231-236.

**Gmitter, A. A. (1986):** Citrus embryogenesis *in vitro* culture initiation, plant regeneration, and phenotypic characterization. Dissertation Abstract. International, B- Sciences and Engineering 41-47, 1357B.

**Goh, C.J.; G.E. Sim; C.L. Morales and C.S. Loh, (1995):** Plantlets regeneration through different morphogenic pathways in pummelo tissue culture.

- Iqbal, H.; A. Mushtaq and Azra. (1996):** Effect of explant source on *In vitro* regeneration of plants through tissue proliferation in *Phoenix dactylifera* L. cv. Fushi. Pakistan Journal of Botany, 27 (1):101-104 [Hort. Abst. 66 (6): 5412].
- Iwamasa, M. (1966):** Study on the sterility in genus Citrus with special reference to the seedlessness. Bull. Hort. Res. Sta. Japan, 6: 1-77.
- Karimzadeh, G.; G. Kovacs and B. Barnabas (1995):** Effects of cold treatment and different culture media on the androgenic capacity of two winter wheat genotypes. Cereal Research Communications, 23 (3): 223-227.
- Katano, M. (1987):** Propagation of Japanese cherry (*Prunus jumeasatura* Sieb. Exkoidz) by shoot tips culture. Proceedings of the Fac. of Agric. Kyushu-Kakai University. 6, 14 [Hort. Abst., 57(9): 7220].
- Khuroshvili, K.G.; Sh.K. Goliadze and T.S.S. Kasha Kashvili (1982):** Use of anther culture to obtain haploid plants of citrus crops. Subtropicheskie Kultury No. 5, 72-76 .
- Kitto, S.L. and J. Young (1981):** *In vitro* propagation of Carrizo citrange. HortScience, 16 (3): 305-306. [Hort. Abst. 52 (2): 1172].
- Kobayashi, S.; L. Ikeda and M. Nakatani (1982):** Studies on nucellar embryogenesis in citrus. III- Differences

in ability to from embryoids *in vitro* culture of ovules from polyembryonic and monoembryonic cultivars. Bulletin of the Fruit Tree-Research Station, E. No. 4, 20-27.

**Kobayashi, S.; L. Ikeda and M. Nakatani (1984):** Induction of nucellar callus from orange (*Citrus sinensis* Osb) ovules and uniformity of regenerated plants. Bulletin , Fruit tree Research Station Japan E. Akitsu No 5, 43 – 54 .

**Koc, N.K.; C. Can and A. Cinar (1992):** Effect of some culture media on somatic embryogenesis and rooting in ovular callus of “Shamouti” orange (*Citrus sinensis* L. Osb.) Turk Tarm ve Ormancilik Dergisi. 16(1): 140-147. [Hort. Abst. 64(2): 1411].

**Kochba, J. and P. Spiegel-Roy (1977):** The Effect of auxins, cytokinins and inhibitors on embryogenesis in habituated ovular callus of the “Shamouti” Orange (*Citrus sinensis*). Z. Pflanzenphysiol, 81: 283 –288.

**Lew and T.V. Owskli, (1991):** Rooting and acclimatization of micropropagation of *Vitis labrusca* “Deleware”. HortScience, 26 (5): 856-859.

**Lin, B.; C.G. Hu; D.X. Shen and J.Q. Zhang (1992):** A study of the direct propagation *in vitro* with lateral buds of adult trees of *Citrus sinensis* L. Osbeck. Acta



Horticulturae Sinica, 19(3): 209-214. [Hort. Abst. 64(11): 9016].

**Ling, J.T.; M. Iwamasa and N. Nito (1988):** Plantlets regeneration by anther culture of calamondin (*Citrus madurensis* Lour). Citriculture. Sixth International Citrus Congress Middle East, Tel Aviv, Israel 6-11 March, volume 1: 251 – 256.

**Ling, J.T.; N. Nito., M. Iwamas and H. Kunitake (1990):** Plant regeneration from protoplasts isolated from embryogenic callus of Satsuma. HortScience, 25(8): 970-972.

**Lu, Z., G.L. Reighard; W.V. Baird; A.G. Abbott and S. Rajapakse (1996):** Identification of peach rootstock cultivars by RAPD markers. HortScience, 31(1): 127-129.

**Maggon, R. and B.D. Singh, (1995):** Promotion of adventitious bud regeneration by ABA in combination with BAP in epicotyl and hypocotyl explants of Sweet orange (*Citrus sinensis* L. Osbeck). Scientia Horticulturae, 63(112): 123-128.[Hort. Abst. 65(11): 10189].

**Maniatis, T.; E.F. Fritsch and J. Sambrook (1982):** Molecular cloning. A laboratory manual Cold Spring Harbor Laboratory Publisher, New York. USA.

- Mas, O., N. Del-Valle and M. Ramos (1994):** *In vitro* propagation of Citremon. International Society of Citri Culture, 318-320. [Hort. Abst. 65(7): 6444].
- Moore, G.A. (1985):** Factors affecting *in vitro* embryogenesis from undeveloped ovules of mature citrus fruit. J. Amer Soc. Hort. Sci, 110 (1): 6-70.
- Moore, G.A. (1986):** *In vitro* propagation of citrus rootstocks. HortScience, 21 (2): 300-301.
- Murashige, T. and D.P.H. Tucker (1969):** Growth factors requirements of citrus tissue culture. Proc. 1<sup>st</sup> intl. Citrus Symp. (3): 1155-1161 [J. Amer. Soc. Hort. Sci. 120(6): 902-905. 1995).
- Murashige, T. and F. Skoog (1962):** A revised medium for rapid growth and bioassays with tobacco tissue cultures. Plant Physiol., 15: 473-497.
- Nasir, I. A.; M.A. Khan; and S.J. Butt (1996):** *In vitro* culture of date palm (*Phoenix dactylifera* L.) through excised embryo Sarhad. Journal of Agriculture, 10(6):633-637.[Hort. Abst. 66(1): 849].
- Navarro, L.; J. Jurarez; J.F. Ballester and J.A. Pinaandc-Ortega (1979):** Obtaining nucellar virus free plants of different citrus cultivars of the Naval group by means of ovule culture *in vitro*. Anales del Instituto Nacional de Investigaciones. Agrarias proteccion Vegetal. No. 12, 95-113.

- Neuenschwander, B. and T.W. Baumann (1995):** Increased frequency of dividing microspores and improved maintenance of multicellular microspores of *Coffea arabica* in medium with coconut milk. *Plant Cell, Tissue and Organ Culture*. 40(1): 49-54.
- Nito, N. and M. Iwamasa (1990):** *In vitro* plantlet formation from juice vesicle callus of Satsuma (*Citrus unshiu* Mare.). *Plant Cell, Tissue and organ culture*, 20 (2): 137-140.
- Novy, R.G. and N. Vorsa (1996):** Identification of genotypic heterogeneity in "McFarlin" cranberry: a randomly amplified polymorphic DNA (RAPD) and phenotypic analysis. *J. Amer. Soc. Hort. Sci.*, 121(2): 210-215.
- Oh, S.D.; W.S. Song, M.H. Cho and H.S. Baek (1991b):** Plant regeneration in dangyooza (*Citrns grandis*, Osbeck) through somatic embryogenesis 3. Effect of different combinations or alone of complex addenda sucrose and 2,4-D on somatic embryogenesis. *Research Reports of the Rural Development Administration, Biotechnology*, 33(3) 33-37.
- Oh, S.D.; W.S. Song; J.S. Kim and E.H. Park (1991a):** *In vitro* micropropagation of Yooza (*Citrus junos* Sieb. El Tanaka). I-Plant regeneration from callus induced from shoot tips. *Journal of the Korean Society for*

- Parthasarathy, V.A. and V. Nagaraju (1993):** Morphogenetic response of embryoids of three citrus species to benzylaminopurine. *Annals of Plant Physiology*, 7 (2): 169-174.
- Parthasarathy, V.A. and V. Nagaraju (1996):** *In vitro* response of shoots of Citrus species to basal; media and benzylaminopurine. *International Journal of Tropical Agriculture*, 14 (1-4): 141-144.
- Pasqual, M. and A. Ando (1989):** Micropropagation of trifoliolate through axillary buds *in vitro* culture. *Pesquisa Agropecuaria Brasileira*, 24 (2): 217-220 [Hort. Abst. 60,9310].
- Pasqual, M. and A. Ando (1990):** Effect of gamma irradiation on the production of nucellar callus of *Citrus sinensis* Osb cv. Valencia *in vitro*. *Pesquisa Agropecuaria Brasileira*, 25 (10): 1471-1475.
- Pasqual, M.; A. Ando; A. tulmann- Neto and JoM-Menten (1986):** Determination of methodology to obtain resistance to citrus canker (*Xanthomonas campestri* pv. *citri*) through nuclear techniques combined with *in vitro* culture-preliminary report. Nuclear techniques and *in vitro* culture for plant improvement. Proceedings of a Symposium Organized Jointly by the International Atomic Energy Agency and the Food and Agriculture

organization of the United Nations, 19-23 August, Vienna, 129-136.

**Pontikis, C.A. and E.S. Sapoutzaki (1984):** Effect of phloroglucinol on successful propagation *in vitro* of *Troyer citrange*. Plant Propagator, 30 (4): 3-4 [Hort. Abst. 55,6446].

**Pottino, B.G. (1981):** Methods in plant tissue culture. Dept. of Hort. Agric. College, Maryland University, College Park, Maryland, USA. pp. 8-29.

**Prakash, D.V.; S.S.R. Suresh-Chand; S. Chand and P.B.K. Ishor (1999):** *In vitro* response from cultured anthers of *Boswellia serrata* Roxb. (*Burseraceae*). Plant Tissue Culture and Biotechnology : emerging trends. Proceedings of a Symposim Held at Hyderabad India, 29-31 January 1997. 1999, 226-231.

**Prasad, B.R.; M.A. Khadeer; P. Seeta and S.Y. Anwar (1990):** Influence of genotype and cold pretreatment on anther culture response in Sunflower, *Carthamus tinctorius* L. Indian Journal of Experimental Biology, 28 (10): 924-927.

**Rahaman, A.A.S.; V. Nagaraju and V.A. Parthasathy (1996):** Response of embryoids of certain Citrus species to two cytokinins. Annals of Plant Physiology, 10(1): 45-49.

Italy (1984)/1985, Pub 1. 1988) .17-18,259-271.  
[Hort.Abst. 59-10405] .

**Starrantino, A. and A. Caruso (1988b):** *In vitro* culture for citrus micropropagation. Acta Horticulture 277,444-446. [Hort. Abst. 59, 60490].

**Starrantino, A. and P. Caponnetto (1990):** Effect of cytokinins on embryogenic callus formation from undeveloped ovules of orange. Acta Horticulturae, No, 280, 191-194.

**Starrantino, A.; G. Russo Mraciti; G. Reforgioto; Recupera and P. Caponnetto (1994):** Embryogenic callus formation, protoplast regeneration somatic fusion of different *Citrus* species. Proceedings of the International Society of Citriculture, volume 1: 334-337 .

**Stoehr, M.U. and L. Zsuffa (1990):** Induction of haploids in *Populous maximowiczii* via embryogenic callus. Plant Cell, Tissue and Organ Culture, 23 (1): 49-58.

**Tapati Das; G.C. Mitra; A. Chatterjee and T. Das (1995):** Micropropagation of *Citrus sinensis* var. Mosambi an important scion. Phytomorphology. 45 (1-2): 57-64.

**Tulmann, A.; M. Cristofani; B.M.J. Mendes and A. Ando (1994):** Use of *in vitro* mutagenesis in citrus breeding. I. Sensitivity to gamma rays of explants of the cultivar Pera. Bragantia, 53 (2): 167-176.

- Turk, A.B.; J. Smole and A. Siftar (1992):** Micropropagation of Plum ectotype (*Prunus domestica* L.) as rootstock for apricot. *Acta Hort.*, 300: 111-114.
- Weitong, K.; H. Nybom; K. Wolf and W. Meyer (1995):** DNA Finger printing in Plants and Fungi (eds) CRC Press, Inc., Boca Raton, Florida, U.S.A. 339-419.
- Welsh, J. and Mc. McClelland (1990):** Genomic finger printing using arbitrary primed PCR and a matrix of pairwise combinations of primers. *Nucl. Acids Res.* 19: 5275 : 5279.
- Williams, J.C.; A.R. Kubelik; J.A. Rafalski and S.V. Tingey (1990):** DNA polymorphism amplified by arbitrary primers are useful as genetic markers. *Nucl. Acids Res.* 18: 6231-6235.
- Woeste, K., G.H. McGranahan and R. Bernatzky (1996):** Randomly amplified polymorphic DNA loci from a walnut back cross [*Juglans hindsii* X *J. regia*) X *J. regia*]. *J. Amer. Soc. Hort. Sci.*, 121(3): 358-361.
- Wu, J.H.; J.S. Cheng; W.C. Zhang and S.Y. Wan (1990):** Studies on the ovule culture and somatic embryogenesis of citrus. *Journal of Fruit Science*, 7(1): 19-24. [*Hort. Abst.* 61(8): 7358].
- Yang, Z.H. and P. Ludders (1994):** *In vitro* propagation of pistachio (*Pistacia vera* L.) Gartembou. *Wissenschaft.* 59(1): 30-34.

**Zaied, Nagwa S. (1997):** Studies on the vegetative propagation of stone fruit trees. Ph. D. (Hort.) Faculty of Agric. Moshtohor, Zagazig university.

**Zhang, Y.X. and Y. Lespinasse (1991):** Pollination with gamma irradiated pollen and development of fruits, seeds and parthenogenetic plants in apple. *Euphytica*. 54 (1): 101-109.

