

BIBLIOGRAPHY

- Abou Mandour, A. A. 1982. Studies on Ruta graveolens divaricata. I communication-initiation and cultivation of callus cultures and induction of shoot regenerates. *Planta Med*; 46(2): 105-109.
- Agnihotri. 1991. Production, evaluation and DNA analysis of three hybrids of oilseed Brassicas with their wide allies, Ph. D. Thesis, Dept. of Botany, Uni. of Delhi, India.
- Ammirato, P.V. 1978. Somatic embryogenesis and plantlet development in suspension cultures of the medicinal yam, Dioscorea floribunda, *Am. J. Bot.* 65, Suppl. 89.
- Ammirato, P. V. 1983. Embryogenesis, In:Handbook of Plant Cell Culture. Vol. I, Techniques for Propagation and Breeding, D. A. Evans, W.R. Sharp, P. V. Ammirato and Y. Yamada (Eds). New York: Macmillan, pp. 82-123.
- Ammirato, P. V. 1983b. The regulation of somatic embryo development in plant cell cultures: Suspension culture techniques and hormone requirements. *Biotechnology*, 1: 68-74.
- Ancelet, M., Planchon, C. and Alibert, G. 1988. Somatic embryogenesis in soybean. *Plant Physiology and Biochemistry*. 26 (2) 212.

- Andrade-Aguilar, J. A. and Jackson, M. T. 1988. Attempts at interspecific hybridization between Phaseolus vulgaris L. and P. acutifolius A. Gray using embryo rescue. *Plant Breeding* 101: 173-180.
- Anonymous. 1978-79. Screening of arhar varieties for resistance to wilt, root-rot and phytophthora stem blight under natural conditions. *Agresco Report* (1978-79). All India Co-ordinated Research Project (Pulse), G.A.U., Baroda. pp. 13-14.
- Anonymous. 1983. Annual Research Report, NARP, Bharuch for 10th plant protection sub-committee meeting, G.A.U. pp. 5.
- Anonymous. 1983-84. VI I.C.A.R.-ICRISAT uniform trial for pigeonpea wilt resistance 1983-84. *Agresco Report* (1983-84). All India Co-ordinated Research Project (Pulse), G.A.U., Baroda. pp. 13-14.
- Anonymous. 1984. Pigeonpea wilt is seed borne. *Annual Report*, ICRISAT Patancheru, A.P., India. p. 169.
- Anonymous. 1985. Fusarium wilt-screening for resistance. *Annual Report*, ICRISAT Patancheru, A.P., India. pp. 182-183.
- Anonymous. 1987. Pigeonpea. In: *Tissue Culture for Crops Project Progress Report*, Feb. 1987 (Eds.) J.L.F. Ketchum, O. L. Gamborg, G.E. Hanning, M.W. Nabors, Dept. of Botany, Colorado State Uni., Colorado. pp. 49-54.

- Anonymous. 1987. Agril. Situation in India, September, 1987. Directorate of Economic and Statistics, Department of Agriculture and Co-operation, Ministry of Agriculture. 42(6).
- Arcioni, S., Damiani, F., pupilli, F. and Pezzotti, M. 1989. Somatic embryogenesis and somaclonal variation in Medicago sativa L. J. Genetics and Breeding. 43 (4): 223-229.
- Arcioni, S. Pezzotti, M. and Damiani, F. 1987. In vitro selection of alfalfa plants resistant to Fusarium oxysporum f. sp. medicaginis. Theor. Appl. Genet. 74: 700-705.
- Armstrong, C. L. and Green, C. E. 1985. Establishment and maintenance of friable, embryogenic maize callus and the involvement of L-proline, planta. 164: 207-214.
- Aronon, D. I. 1949. Copper enzymes in isolated chloroplasts. Polyphenoloxidase in Beta vulgaris. Plant Physiol. 24: 1-5.
- Atreya, C. D., Papa Rao, J. and Subrahmanyam, N. C. 1984. In vitro regeneration of peanut Arachis hypogaea L. plantlets from embryo axis and cotyledon segments. Plant Sci. Lett. 34: 379-383.
- Bajaj, Y.P.S. 1964. Development of ovules of Abelmoschus esculentus var. Pusa Sawani in vitro. Pro. Natl. Inst. Sci. India. B. 30: 175-185.

- Bajaj, Y.P.S. and Bopp, M. 1971. Gewebekulturen in der angewandten Botanik (Plant tissue cultures in applied botany). Angew. Botanik 45: 115-151.
- Bajaj, Y.P.S. and Gosal, S. S. 1981. Regeneration of plants from callus cultures of a forage legume sweet clover Melilotus parviflora Desf. Sabrao Journal 13(2): 176-179.
- Bajaj, Y.P.S., Kumar, P., Labana, K. S. and Singh, M. M. 1981a. Regeneration of plants from seedling-explants and callus cultures of Arachis hypogaea L. Indian J. Exp. Bot. 19: 1026-1029.
- Bajaj, Y.P.S., Singh, H. and Gosal, G. S. 1980. Haploid embryogenesis in anther cultures of pigeonpea (Cajanus cajan). Theor. Appl. Genet. 58 : 157-159.
- Baldev, B. and Amin, K. S. 1974. Studies on the existence of races in Fusarium udum causing wilt of Cajanus cajan. SABRAO J. 6(2): 201-205.
- Banerjee, S., Bandyopadhyay, S. and Ghosh, P. D. 1988. Cotyledonary node culture and multiple shoot formation in peanut: evidences for somatic embryogenesis. Current Sci. 57(5): 252-255.
- Barot, S. M. 1991. Tissue culture studies with Plantago ovata Forsh and Trachyspermum ammi (L) Sprague. Ph. D. Thesis, The M. S. Univ. of Baroda, Baroda, India.

- Barwale, U.B., Kerns, H. R. and Widholm, J. M. 1986. Plant regeneration from callus cultures of several soybean genotypes via, embryogenesis and organogenesis. *Planta*. 167: 473-481. '
- Bauchan, G. R. 1987. Embryo culture of Medicago ccutellata and M. sativa. *Plant Cell, Tissue and Organ Culture*: 10(1): 21-29.
- Beach, K. H. and Smith, R. R. 1979. Plant regeneration from callus of red clover and crimson clover, *Plant Sci., Lett.*, 16: 231-238.
- Behnke, M. 1979. Selection of potato callus for resistance to culture filtrates of Phytophthora infestans and regeneration of resistant plants. *Theor. Appl. Genet.* 55: 69-71.
- Behnke M. 1980a. General resistance to late blight of Solanum tuberosum plants regenerated from callus resistant to culture filtrates of Phytophthora infestans. *Theor. Appl. Genet.* 56: 151-152.
- Behnke M. 1980b. Selection of dihaploid patoto callus for resistance to the culturé filtrate of Fusarium oxysporum. *Plant Breeding* 85: 254-58.
- Bell, A. A. and Mace, M. E. 1981. Biochemistry and physiology of resistance. In : Fungal wilt diseases of plants (M. M. Mace, A. A. Bell and C. H. Backman, eds). Acad. Press. New York. pp. 431-486.

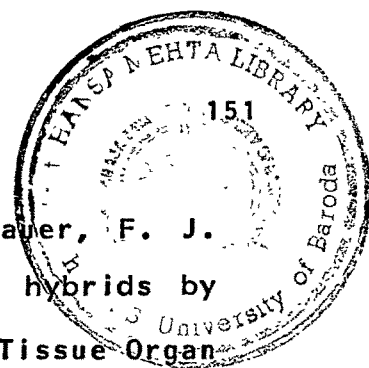
- Belletti, P., Lanteri, S. and Lepori, G. 1988. Embryo culture as a test for the screening of Phaseolus genotype. Advances in Horticultural science. 2(3): 113-116.
- Bhargava, S. and Chandra, N. 1983. In vitro differentiation in callus cultures of mothbean (Vigna aconitifolia Jacq.). Plant Cell Report. 2: 47-50.
- Bhaskaran, S. 1985. Applications of tissue culture for crop improvement. In : Chopra V. L. (ed) Genetic Manipulation for crop improvement, Oxford and IBA Publishing Co., New Delhi, pp. 229-250.
- Bhojwani, S. S. and Mukhopadhyay. 1986. Some aspects of plant regeneration in tissue cultures of legumes, In : "Genetics and Crop Improvement," (eds) P. K. Gupta and J. R. Bahl, Feb. 1986, Rastogi and Co. Meerut. pp. 377-385.
- Bhojwani, S. S. and Razdan, M. K. eds. 1983. "Plant Tissue Culture Theory and Practice" Elsevier, Amsterdam.
- Bimal Raageeva, 1988. In vitro induction of germination in ovules of Nicotiana glauca viv. Proceedings of the international congress of Plant Physiology, Feb. 15-20, 1988, New Delhi, India. pp. 1366-68

- Binarova P., Nedelnik, J., Fellner M. and Nedbalkova B. 1990. Selection for resistance to filtrates of Fusarium spp. in embryogenic cell suspension culture of Medicago sativa L. Plant Cell Tissue and Organ Culture, 22: 191-196.
- Bingham, I. T., Hurley, I. V., Kaatz, D. M. and Saunders, J. W. 1975. Breeding alfalfa which regenerates from callus tissue in culture, Crop Sci. 15: 719-721.
- Blaydes, D. F. 1966. Interaction of Kinetin and various inhibitors in the growth of soybean tissue. Physiol. Plant, 19 : 748-753.
- Bognar, J., Sipos, Sz. I., Maroti, M. and Banyai D. 1987-88. Adventitious shoot development and regeneration of soybean plants by in vitro embryo culture. Botanikai Közlemenyek 74-75 (3-4): 361-67.
- Bonnett, H. J. and Torrey, J. G. 1965. Chemical Control of organ formation in root segments of Convolvulus in vitro. Plant Physiol. 40: 1228-1236.
- Booth, C. 1971. The genus Fusarium. Kew Surrey. England: Commonwealth Mycological Institute.
- Braak, J. P., and Kooistra, E. 1975. A successful cross between Phaseolus vulgaris L. and Phaseolus retensis Jones with the aid of embryo culture, Euphytica. 24: 669-679.

- Breton, A. M. and Sung, Z. R. 1982. Temperature sensitive carrot variants impaired in somatic embryogenesis Dev. Biol. 90 : 58-66.
- Brettell, R. I. S. and Ingram, D. S. 1979. Tissue culture in the production of novel disease-resistant crop plants, Biol. Rev. 54 : 329-345.
- Brettell, R. I. S., Ingram D. S. and Thomas E. 1980b. Selection of maize tissue cultures resistant to Drechslera (Helminthosporium maydis) T-toxin. In : Tissue culture methods for plant pathologists. packwell, Oxford. pp. 233-237.
- Brettell, R. I. S. and Thomas, E. 1980a. Reversion of texas malesterile cytoplasm Maise in culture to give fertile. T-toxin resistant plants. Theor Appl. Genet. 58: 55-58.
- Brown, D. C. W. 1988. Germplasm determination of in vitro somatic embryogenesis in alfalfa. Hort. Sci. 23 : 526-531.
- Buiatti, M., Scala, A., Bettini, P., Nascari, G., Morpurgo, Bogani, P., Pellegrini, G., Gimelli, F. and Venturo, R. 1985. Correlations between in vivo resistance to Fusarium and in vitro response to fungal elicitors and toxic substances in carnation. Theor. Appl. Genet. 70: 42-47.

- Butler, E. J. 1906. The wilt disease of pigeonpea and pepper. Agriculture Journal of India. 1: 25-26.
- Butler, E. J. 1908. Selection of pigeonpea for wilt resistance. Agricultural Journal. 3: 182-183.
- Butler, E. J. 1910. The wilt diseases of pigeonpea and the parasitism of Necosmospora vasinfecta Smith. Memoir, Department of Agriculture, India, Bot. Ser. 2: 1-64.
- Cabral, J. B. and Crocomo, O. J. 1989. Interspecific hybridization of Phaseolus vulgaris, P. acutifolius and P. lunatus using in vitro technique. Turrialba. 39 (2) : 243-46.
- Carlson, P. S. 1973a Methionine sulfoximine resistant mutants of tobacco. Science, 180: 1366-1368.
- Carlson, P. S. 1975. Crop improvement through techniques of plant cell and tissue culture. Bioscience. 25 : 747-749.
- Caroselli, N. E. and Feldman, A. W. 1951. Dutchelm disease in young elm seedlings. Phytopath. 41: 46-51.
- Chawla H. S. and Wenzel, G. 1987. In vitro selection for fasaric acid resistant Barley plants. Plant Breeding. 99. 2: 159-163.
- Chen, T. H. H., Marowitch, J. and Thompson, B.G. 1987. Genotypic effects on somatic embryogenesis and plant regeneration from callus cultures of alfalfa, Plant Cell Tissue and Organ Culture. 8: 73-81.

- Chen, H.K. Mok, M. C. and Mok D. W. S. 1990. Somatic embryogenesis and shoot organogenesis from interspecific hybrid embryos of Vigna glabrescens and V. radiata. Plant Cell Reports. 9: 77-79.
- Chen, H.K., Mok, M. C., Shanmugasundaram, S. and Mok, D. W. S. 1989. Interspecific hybridization between Vigna radiata (L.) Wilczek and V. glabrescens. Theoretical and Applied Genetics. 78 (5): 641-47.
- Cheng, T. V., Saka, H. and Thanh, V. D. 1980. Plant regeneration from soybean cotyledonary node segments in culture. Plant Science Letters. 19: 91-99.
- Christian A. Fatokum and Singh Bir, B. 1987. Interspecific hybridization between Vigna pubescens and V. unguiculata (L.) Walp through embryo rescue. Plant Cell Tissue and organculture. 9(3): 229-233.
- Christou, Paul and Yang Ning-Sun. 1989. Developmental aspects of soybean (Glycine max) somatic embryogenesis. Ann. Bot. 64: 225-234.
- Chung, G. H. and kim, J. H. 1990. Production of interspecific hybrids between Glycine max and G. tomentella through embryo culture. Euphytica. 48 (2) 97-101.



- Cohen, D., Ladizinsky, G., Ziv, M. and Muehlbauer, F. J. 1984. Rescue of interspecific lens hybrids by means of embryo culture. Plant Cell Tissue and Organ Culture. 3: 343-347.
- Collins, R. P. and Scheffer, R. P. 1958. Respiratory responses and systemic effects in Fusarium infected tomato plants. phytopath. 48: 349-355.
- Constabel, E. C. 1989. In vitro selection of red clover for resistance to Fusarium roseum L. and evaluation of regenerated plants. Forage Notes. 34: 78.
- Crouch, M. L. 1982. Non-zygotic embryos of Brassica napus L. contain embryo-specific storage proteins, Planta. 156: 520-524.
- D'Alton, A. and Etherton, B. 1984. Effects of acid on tomato hair membrane potentials and ATP levels. Plant Physiol. 74: 39-42.
- Deklerk Kiebert, Y. M. and Van Der Plas, L. H. W. 1985. Relationship of respiratory pathways in soybean cell suspension to growth of the cells at various glucose concentrations. Plant Cell Tissue and Organ Culture. 4(3): 225-234.
- Desai, H. V., Bhatt, P. N. and Mehta, A. R. 1986. Plant regeneration of Sapindus trifolius L. (Soapnut) through somatic embryogenesis, Plant cell Reports, 3: 190-191.

- Dhanju, M. S., Gill, B. S. and Sidhy, P. S. 1985. In vitro development of Cajanus x Atylosia hybrids: Current Science, 54(24) : 1284-86.
- dos Santos, A. V. P., Outka, D. E., Cocking, I. C. and Davey, M. R. (1980). Organogenesis and somatic embryogenesis in tissues derived from leaf protoplasts and leaf explants of Medicago sativa. Z. pflanzenphysiol. 99: 261-270.
- Duncan, D. R., Williams M. E., Zehr, B. E. and Widholm, J. M. 1985. The production of callus capable of plant regeneration from immature embryos of numerous Zea mays genotypes. Planta. 165: 322-332.
- Duniway, J. M. and Slatyer, R. O. 1971. Gas exchange studies on the transpiration and photosynthesis of tomato leaves infected by Fusarium oxysporum, f. Phytopath. 61: 1377-1381.
- Durzan, D. J. 1980. Progress and promise in forest genetics. Proc. 50th Anniv. Conf. Paper Sci. Technol.: The Cutting Edge. Appleton, Wisc., May 8-10, 1978. pp. 31-60. Institute of Paper Chemistry, Appleton, Wisc.
- Durzan., Don J. 1988. Somatic polyembryogenesis for the . Multiplication of Tree Crops. Biotechnology and Genetic Engineering Reviews. 6; 341-378.

- Durzan, D. J. and Gupta, P. K. 1987. Somatic embryogenesis and polyembryogenesis in Douglas-Fir Cell Suspension cultures, *Plant Sci.* 52: 229-235.
- Ebells, D. L. 1967. Effect of soil fumigants on Fusarium wilt and nodulation of pea (Pisum sativum L.) *Ann. Appl. Biol.* 60: 391-398.
- Evans, D. A. and Sharp, W. R. 1986. Somaclonal and Gametoclinal variation. In: *Hand-book of plant cell culture vol. 4. Techniques and Applications* (D.A. Evans, W.R., Sharp and P. V. Ammirato eds.). Macmillan Pub. Co. New York. pp. 97-132.
- Evans, D. A., Sharp, W. R. and Flick, C. E. 1981. Growth and behaviour of cell cultures : Embryogenesis and organogenesis, In : "Plant Tissue Culture : Methods and Applications in Agriculture. (T.A. Thorpe ed) pp: 45-113. Academic Press, New York.
- FAO. 1959. Tabulated information on tropical and subtropical grain legumes. Rome, pp. 45-62.
- Faris, D. G. 1983. ICRISAT Research on pigeonpea. In : *Grain Legumes in India*, ICRISAT, Patancheru, A. P. India.

- Fellenberg, G. 1963. Über die organbildung an in vitro kultivierten Knollengewebe Von Solanum tuberosum. **Z. Bot.**, 51: 113-141.
- Feng, X. H., Jiang, X, C. and Shao, Q. Q. 1989. Plant regeneration from immature cotyledonous tissue culture of soybean by somatic embryogenesis. **Life Sciences and Earth Sci.** 32(1): 58-63.
- Ferguson, N. H., Rupert, E. A. and Evans P. T. 1990. Inter-specific Trifolium hybrids produced by embryo and ovule culture. **Crop. Sci.** 30: 1145-1149.
- Finer, J. J. 1988. Apical proliferation of embryogenic tissue of soybean (Glycine max L. merrill). **Pl. Cell Reports.** 7: 238-241.
- Fonneshech, A. and Fonnesbech, M. 1980. In vitro propagation of Monstera deliciosa. **Horti Science**, 15: 740-741.
- Foster, R. E. 1946. The first symptom of tomato Fusarium wilt, celaring of the ultimate veinlets in the leaf. **Phytopath.** 36 : 691-694.
- Franklin, C. I., Trieu, T. N., Gonzales, R. A., Dixon, R. A. 1991. Plant regeneration from seedling explants of green bean (Phaseolus vulgaris) via organogenesis. **Plant Cell. Tissue and Organ Culture.** 24 : 199-206.

- Freytag, A. H., Rao Arelli, A. P., Anand, S. C., Wrather, J. A. and Owens, L. D. 1989. Somaclonal variation in soybean plants regenerated from tissue culture. *Plant Cell Reports*. 8: 199-202.
- Fujimura, T. and Komanine, A. 1980. Mode of action of 2,4-D and Zeatin on somatic embryogenesis in a carrot cell suspension culture, *Z. Pflanzenphysiol.* 99 : 1-8.
- Gamborg, O. L., Miller, R. A. and Ojima, K. 1968. Nutrient requirements of suspension cultures of soybean root cells. *Exp. Cell Res.* 50: 151-158.
- Gaumann, E. 1951. Some problems in pathological wilting of plants. *Advanced Enzymology* 2, 401-37.
- Gaumann, E. 1958. Mechanism of fusaric acid injury. *Phytopath.* 48: 670-686.
- Gautheret, K. J. 1966. Factors affecting differentiation of plant tissue grown in vitro. In: *Cell differentiation and Morphogenesis*, Amsterdam, North Holland, pp. 55-95.
- Gautheret, K. J. 1985. History of Plant Tissue and cell culture: A personal account. In: Vasil I. K. (ed) *cell culture and somatic cell genetics of plants*. Vol. 2.

- Gengenbach, B. G., Green, C. E. and Donovan C. M. 1977. Inheritance of selected pathotoxin resistance in maize plants regenerated from cell cultures. Proc. Nat. Acad. Sci. 74: 5113-5117.
- George, L. and Eapen. S. 1988. Plant Regeneration by somatic embryogenesis from Immature inflorescence cultures of Sorghum alnum, Ann. Bot. 6: 589-591.
- Charyal, P. K. and Meheshwari, S. C. 1980. Plantlet formation from callus cultures of a legume, Lathyrus sativus cv. L.S.D.3. Z. Pflanzenphysiol. 100: 359-362.
- Charyal, P. K. and Maheshwari, S. C. 1983. Genetic and Physiological influences on differentiation in tissue cultures of a leguma, Lathyrus sativus. Theor. Appl. Genet. 66: 123-126.
- Ghazi, T. D. Cheema, H. V., and Nabors, M. W. 1986. Somatic embryogenesis and plant regeneration from embryogenenic callus of soybean, Glycine max L. Plant Cell Rep. 5: 452-456.
- Gleddies, S., Keller, W. and Setterfied, G. 1983. Somatic embryogenesis and plant. generation from leaf explants and cell suspension of Solanum melongena (eggplant), Can. J. Bot. 61 : 656-666.
- Gosal, S. S. and Bajaj, Y. P. S. 1983. Interspecific hybridization between Vigna mungo and Vigna radiata through embryo.culture. Euphytica. 32: 129-137.

- Gray, L. E., Guan, Y. Q. and Vidholm, J. M. 1986. Reaction of soybean callus to culture filtrates of Phialophora gregata. Plant Sci. 47: 45-55.
- Greshoff, P. M. and Mahapatra, S. S. 1981. Legume cell and tissue culture. In Proc. COSTED Symp. on Economically Important Plants (ed.) A. N. Rao, Singapore, pp. 11-24.
- Griga, M., Kubalakova, M. and Tejklova, E. 1987. Somatic embryogenesis in Vicia faba L. Plant Cell Tissue and Organ Culture, 9 : 167-71.
- Gulati, A. and Jaiwal, P. 1990. Culture conditions effecting plant regeneration from cotyledons of Vigna radiata L. Wilczek. Plant Cell Tissue and Organ Culture. 2 : 1-7.
- Gupta, A. D. and Gupta, P. K. Sen. 1988. Reaction of pigeonpea (Cajanus cajan) lines to wilt pathogen Fusarium udum. Indian J. Agric. Sci. 58(7): 546.
- Heberlach G. T., Budde, A. D. Sequeira L. and Helgeson J. P. 1978. Modification of disease resistance of tobacco callus tissues by cytokinin. Plant Physiol. 62: 522-525.
- Haccius, B. 1978. Question of unicellular origin of non-zygotic embryos in callus culture, Phytomorphology, 28 : 74-81.

- Halperin, W. 1973. The use of cultured tissues in studying developmental problems, Can. J. Bot. 51: 1801-1806.
- Hammatt, N., Robin S. Nelson and Devey, M. R. 1987. Plant regeneration from seedling explants of parrenial Glycine species, plant cell, Tissue and organ culture, 11 : 3-11.
- Handro, W., Rao, P. S. and Harada, H. 1973. A histochemical study of the development of buds, roots and embryos in organ cultures of Petunia inflata R. Fries, Ann. of Bot. 37 : 817-821.
- Harling, R. and Taylor, G. S. 1985. A light microscope study of resistant and susceptible carnations infected with Fusarium oxysporum f. sp. dianthi. Can. j. Bot. 63: 638-646.
- Hartman, C. L., McCoy, T. J. and Knous. 1984. Selection of alfalfa (Medicago sativa) cell lines and regeneration of plants resistant to the toxin(s) produced by Fusarium oxysporum f. sp. Medicaginis. Plant Sci. Lett. 34: 183-194.
- Hazra, S., Sathaye, S. and Maschrenhas, A. F. 1989. Direct somatic embryogenesis in peanut (Arachies hypogea); Biotechnology, 7: 949-951.

- Heath-pagliuso, S. and Rappaport, L. 1990. Somaclonal variant UC-T3: the expression of Fusarium wilt resistance in progeny arrays of celery, Apium graveolens L. Theor. Appl. Genet. 80 : 390-394.
- Heinz, D. J. Krishnamurthi, M, Nickell, L. G. and Murezki, A. 1977. Cell, tissue and organ culture in sugarcane improvement in : Reinert J, Bajaj, Y.P.S.(eds). Applied and Fundamental Aspects of Plant Cell, Tissue and Organ Culture. Berlin: Springer, pp. 3-17.
- Hendrix, F. F. and Nielson, L. F. 1958. Invasion and infection of crops other than forma suscep by Fusarium oxysporum f. batatas. Phytopath. 48: 224-228.
- Hepher, A., Boulter, M. E. Harris, N. and Nelson, R. S. 1988. Development of a superficaial meristem during somatic embryogenesis from immatured cotyledons of soybean (Glycine max). Ann. of Bot. 62(5): 513-519.
- Honma, S. 1955. A technique for artificial culturing of bean embryos. Proc. Amer. Soc. Hort. Sci. 65, 405-408.
- Hughes, K. W. 1978. Isolation of herbicide resistant line of soybean cells. In : Sharp, W. R., Larson, P. O., Paddock, E. F. and Raghavan, V. (eds) Plant cell and Tissue Culture: Principles and Application, Chio State Univ. Press, London, pp. 874.

- Hussey, G. 1986. Vegetative propagation of plants by tissue culture, In : 'plant Cell Culture Technology" (N. M. Yeoman ed), pp. 229-38.
- Ignatova, S. A. Ovsyuk, T. N., Lukyanyuk, S. F. and Sechnyak, L. K. 1988. Use of tissue culture in lucerne to produce forms resistant to Fusarium. In : *Biologiya kultiviruemykh kietok biotekhnologiya* (Butenko R. G. ed) Novosibirsk, USSR pp. 175-176.
- Illg, R. D. and Dallacqua A. N. 1986. In vitro selection for resistance to culture filtrate of Phytophthora infestans in tomato. In : Proc. VI Intl. Cong. of Plant Tissue and Cell Culture (Sommers D. A. et al eds). Univ. of Minnesota pp. 211.
- Ireland, K. F. and Leath, K. T. 1987. Potential of using culture filtrates from Verticillium alboatrum to evaluate alfalfa germplasm for resistance to verticillium wilt. *Plant Disease* 71(10). 900-3.
- Isaac, I. 1967. Speciation in Verticillium. *Annu. Rev. Phytopath.* 5 ; 201-222.
- Jacobsen, H. J. and kysely, W. 1984. Induction of somatic embryos in pea. Pisum sativum L. *Plant Cell Tissue Organ. Culture.* 3: 319-324.

- Jain, K. C., Kannaiyan, J. and Faris, D. G. 1983. ICRISAT breeding lines show promise for Fusarium resistance. International pigeonpea Newsletter. 2: 43.
- Johanna, P. K. and Eriksson, T. 1988. Improved protoplast culture and regeneration of shoots in pea (Pisum sativum L.) Pl. Cell Reports: 2422-245.
- Johnston, A. and Booth, C. 1983. Plant Pathologists packet book. Commonwealth Mycological Ins. Kew Surrey Eng. pp. 397.
- Kamada, H. and Harada, H. C. 1979b. Studies on the organogenesis in carrot tissue culture II, Effects of amino acids and inorganic nitrogenous compounds, on somatic embryogenesis, Z. Pflanzenphysiol. 91 : 453-463.
- Kannaiyan, J., Jain, K. C., Raju, T. N. and Nene, Y. L. 1983. Wilt resistance sources in vegetable pigeonpea. International Pigeonpea Newsletter 2: 42.
- Kannaiyan, J. and Nene, Y. L. 1979. Association of different Fusarium species with wilt diseases of pigeonpea. Tropical Grain Legume Bulletin. 15: 26-27.
- Kannaiyan, J. and Nene, Y. L. 1981. Influence of wilt at different growth stages on yield loss in pigeonpea. Tropical Pest Management: 27(1) : 141.

- Kannaiyan, J., Nene, Y. L., Reddy, M. V., Rayan, J. G. and Raju, T. N. 1984. Prevalence of pigeonpea diseases and associated crop losses in Asia, Africa and the Americas. *Trop. Pest. Management*, 2: 35-40.
- Kannaiyan, J., Reddy, M. V. and Nene, Y. L. 1980. Survey of pigeonpea diseases with special reference to wilt and sterility mosaic in India. *Int. Workshop of pigeonpea held at ICRISAT Patancheru, India, on 15-19 December*, 2: 297.
- Kanta Kusum and Padmanabhan, D. 1964. *In vitro* culture of embryo segments of Cajanus cajan 910 Millsp. *Current Science*, 33 (23): 704-706.
- Kao, K. N. and Michayluk, M. R. 1980. Plant regeneration from mesophyll protoplasts of alfalfa, *Z. Pflanzenphysiol.*, 96 : 135-141.
- Kappelman, A. J. Jr. 1975. Correlation of *Fusarium* wilt of cotton in the field and greenhouse. *Crop Sci.* 15 ; 270-272.
- Kavathekar, A. K. and Johri, B. M. 1978. *In vitro* responses of embryoids of Eschscholzia californica, *Biol. Plant*, 29 : 98-106.
- Kefford, N. P. and Caso, O. H. 1972. Organ regeneration in excised roots of Chondrilla juncea and its chemical regulation. *Australian J. Biol. Sci.* 25 : 691-706.

- Keim, W. F. 1953. Interspecific hybridization in Trifolium utilizing embryo culture techniques Agron. J. 45 : 601-606.
- Kessel, R. H. J. and Carr, A. H. 1972. The effect of dissolved oxygen concentration on growth and differentiation of carrot tissue, J. Exp. Bot., 23, : 996-1007.
- Konda, C. R., Parameswarappa, R. and Swamy Rao. T. 1986. Pigeonpea ICP 8863-A Boon to Fusarium wilt endemic areas of Karnataka. International Pigeonpea Newsletter 5 : 36.
- Kononowicz, H., Kononowics, A. K. and Janick, J. 1984. Asexual embryogenesis via callus of Theobroma cacao L., Z. Pflanzenphysiol. 113. 347-358.
- Koruyge, T. 1978. The capture and use of energy by diseased plants. In ; Plant disease. An advanced treatise (J. G. Horsfall and E. B. Cowling eds). Acad. Press, New York, Vol. 3. pp. 85-116.
- Krauss, F. G. 1932. The pigeonpea (Cajanus indicus): its improvement, culture and utilization in Hawaii. Hawaii Agric. Exp. Sta. Bull. 64.
- Krishnamurthy, K.V., Godhole, D.A. and Macrenhas A.F. 1984. Studies on a drought resistant legume: The moth bean, Vigna aconitifolia (Jacq.). I Protoplast culture and organogenesis. Plant Cell Rep.3:30-32.

- Kulkarni, D. D. and Krishnamurthy, K. V. 1989. Isolation and culture of protoplasts of pigeonpea Cajanus cajan (L) Millsp. Ind. Exp. Biol. 227: 939-942.
- Kumar Rao, J. V. D. K., Dart, P. J., Matsumoto, Tetsuo and Day, J. M. 1980. Nitrogen fixation by pigeonpea. Proceedings of the International Workshop on Pigeonpea, ICRISAT, Patancheru, India, 1: 190-199.
- Kumar, A. S., Gamborg, O. L. and Nabors, M. W. 198. Plant regeneration from cell suspension cultures of Vigna aconitifolia. Plant Cell Reports. 7: 138-141.
- Kumar, A. S., Reddy, P. and Reddy, G. M. 1983. Plantlet regeneration from different callus cultures of pigeonpea (Cajanus cajan L.). Plant Science Letters, 32 : 271-278.
- Kumar, A. S., Reddy, T. P. and Reddy, G. M. 1984. Adventitious shoot formation and plantlet regeneration in pigeonpea. International pigeonpea Newsletter. 3 : 12-15.
- Kysely, W. and Jacobsen, H. J. 1990. Somatic embryogenesis from pea embryos and shoot apices, Plant Cell, Tissue and Organ Culture, 20: 7-14.
- Kysely, W., Myers, J. R., Lasserri, P. A., Collins, G. B. and Jacobsen H. J. 1987. Plant regeneration via somatic embryogenesis in pea (Pisum sativum L.) Plant Cell Reports. 6 ; 305-308.

- Ladizinsky, G., Cohen, D. and Muchlbauer, F. J. 1985. Hybridization in the genus *lens* by means of embryo culture. *Theor. Appl. Genet.* 70: 97-101.
- Larkin, P. J. and Scowcroft, W. R. 1983. Somaclonal variation and eyespot toxin tolerance in sugarcane. *Plant Cell Tissue Organ Culture* 2: 111-121.
- Latunde-dada A. O., Lucas, J. A. 1983. Somaclonal variation and reaction to Verticillium wilt in medicago sativa L. plants regenerated from protoplast. *Plant Sci. Lett.* 32: 205-211.
- Latunde-data, A. O. and Lucas, J. A. 1988. Somaclonal variation and resistance to Verticillium wilt in lucerne, Medicago sativa L. Plants regenerated from callus, *Plant Sci.* 58: 111-119.
- Lazzeri, Paul. A., Hildebrand, David F. and Collins Glenn, B. 1985. A procedure for plant regeneration from immature cotyledon tissue of soybean. *Plant Molecular Biology Reporter*, 5(1): 160-167.
- Lazzeri, Paul A., Hildebrand, David, F. and Collins, Glenn, B. 1987. Soybean somatic embryogenesis: Effects of hormones and culture manipulations. *Plant cell, Tissue and organ culture*, 10: 197-208.
- Lazzeri, P. A., Hildebrand, D. F., Sunega, J., Williams, E. G. and Collins, G. B. 1988. Soybean somatic embryogenesis: Interactions between sucrose and auxin. *Plant Cell Reports.* 7: 517-520.

- Li, B. J., Langridge, W. H. R. and Szalay, A. A. 1985. Somatic embryogenesis and plantlet regeneration in the soybean Glycine max. Plant Cell Rep. 4: 344-347.
- Linford, M. B. 1928. A Fusarium wilt of peas in Wisconsin. Wis. Agr. Exp. Sta. Res. Bull. pp. 85.
- Ling, D. H. Vidhyasekaran, P., Barromeo, E. S., Zapata, F. J. and Mew, T. W. 1985. In vitro screening of rice germplasm for resistance to brown spot disease using phytotoxin. Theor. Appl. Genet. 71 : 133-135.
- Linnaeus, C. 1937. Hortus Cliffortianus. Amstelaedami p. 354. Fide Proc. of International Workshop on Pigeonpea, Vol. 22, 15-19 December, 1980. ICRISAT. Patancheru, India.
- Linsmaier, E. M. and Skoog, F. 1965. Organic growth factor requirements of tobacco tissue cultures. Physiologia Plantarum. 18: 100-127.
- Lippman, B. and Lippman, G. 1984. Induction of somatic embryos in cotyledonary tissue of soybean, Glycine max L. Merr. Pl. Cell Reports. 3: 215-218.
- LiWang, Baichy Huang, Mengyuan He and Shui Hao. 1990. Somatic embryogenesis and its hormonal regulation in tissue cultures of Freesia refracta, Ann. Bot., 65: 271-276.

- Lu, D. Y., Davey, M. R. and Cocking, E. C. 1982. Somatic Embryogenesis from mesophyll protoplasts of Trigonella corniculata (Leguminosae). Pl. Cell Reports. 1: 278-280.
- Lutova, L. A. and Zabelina, E. K. 1988. Callus and Shoot formation in different forms of Pisum sativum L. in vitro. Genetika, USSR. 24: 9: 1632-40.
- Lutz, J. D., Wong, J. R. Rowe, J. Tricholi, D. M. and Lawrence, R. H. Jr. 1985. Somatic embryogenesis for mass cloning of crop plants, In: "Tissue Culture in Forestry and Agriculture", R. R. Henke, K. W. Huges, M. J. Constantin and A. Hollaender (eds). New York, London, pp. 105-116: Plenum Press.
- Maheshwari, N. and Lal, M. 1961. In vitro culture of ovaries of Iberis amara L. Phytomorphology. 11: 17-23.
- Maheswaran, G. and Williams, E. G. 1984. Direct somatic embryoid formation on immature embryos of Trifolium repens, T. pratense and Medicago sativa and rapid clonal propagation of T. repens. Ann. Bot. 54: 201-211.
- Maheswaran, G. and Williams, E. G. 1986. Clonal propagation of Trifolium pratense L. Resupinatum and L. Subterraneum by direct somatic embryogenesis on cultures immature embryos, Plant Cell Reports, 3: 165-168.

- Maliga, P. 1978. Resistance mutants and their use in genetic manipulation. In : *Frontiers of Plant Tissue Culture 1978* 1978 (eds. Thorpe, T. A.) pp. 381-392. Calgary: Int. Ass. Plant Tissue Culture.
- Mallikarjuna, N. and Sastri, D. C., 1985. in vitro culture of ovules and embryos from some incompatible interspecific crosses in the genus Arachis L., pp. 153-8. in *Proceedings, International workshop on Cytogenetics of Arachis* (ed. J. P. Moss) pp. 191. ICRISAT, Patancheru, A. P. India.
- Mante, S. and Boll, W. G. 1975. Comparison of growth and extracellular polysaccharide of cotyledon cell suspension culture of bush bean (Phaseolus vulgaris cv. Contender) growth in coconut milk medium and synthetic medium. *Can. J. Bot.* 53 (15): 1542-48,
- Martins, I. S. and Sondahl, M. R. 1984. Early Stages of somatic embryo differentiation from cultures of bean Phaseolus vulgaris L.) grown in liquid medium. *J. Pl. Physiol.* 117 : 97-105.
- Matern, U. Strobel G., Shepard J. 1978. Reaction to phyto-toxin in a potato population derived from mesophyll protoplasts, *Proc. Nat. Acad. Sci. (Wash)*. 75: 4935-4939.

- Mathews, Helena. 1987. Morphogenesis responses from In vitro cultured seedling explants of mung bean (Vigna radiata L. Wilczek). Plant Cell Tissue and organ Culture, 11 (3). 233-240.
- Matsubara, S. (1964). Effect of Lupinus growth factor on the in vitro growth of embryos of various plants and carrot root tissues. Bot. Mag. 77, 403-411.
- Mauro, M. Cl., NEF C. and Fallot, J. 1986. Simulation of somatic embryogenesis and plant regeneration from anther culture of vitis vinifera cv. Cabernet Sauvignon, Plant Cell Reports. 5: 377-380.
- McCann, A. W., Cooley, and Van Drese, J. 1988. A system for routine plantlet regeneration of sunflower from immature embryo-derived callus. Plant Cell Tiss. Org. Cult. 14: 108-110.
- McClean, P. and Grafton, K. F. 1989. Regeneration of dry bean Phaseolus vulgaris) via organogenesis. Plant Sci. 60: 117-122.
- McDonald, J. D., Leach, L. D. and McFarlane J. R. 1976. Susceptibility of sugarbeet lines to the stalk blight pathogen Fusarium exysporum f. sp. betae. Plant Dis. Rep. 60: 192-196.

- Mehta, A. R. 1966. In vitro initiation and growth of root callus of Phaseolus vulgaris. Ind. J. Exp. Biol. 4 : 187-188.
- Mehta, A. R. 1980. Physiological aspects of organ differentiation in vitro, In : Plant Tissue Culture, Genetic Manipulation and Somatic Hybridization of Plant Cells, P. S. Rao (ed.) BARC, Bombay.
- Mehta, A. R. and Bhatt, P. N. 1990. Appendix I, In: "Hand book of Plant Tissue and Cell Cultures" A. R. Mehta, P. N. Bhatt (eds.), Academic Book Centre, Ahmedabad, pp. 117-129.
- Mehta, A. R., Henshaw, G. G. and Street, H. E. 1967. Aspects of growth in suspension cultures of Phaseolus vulgaris L. and Linum usitatissimum L. Ind. J. Pl. Physiol. 19 (1) : 44-53.
- Mehta, Usha and Mohan Ram. H. Y. 1980. Regeneration of Plants from the cotyledons of Cajanus cajan Ind. J. Exp. Biol. 18: 800-802.
- Meijer, E. G. M. 1982. High frequency plant regeneration from hypocotyl and leaf derived tissue cultures of the tropical pasture legume Stylosanthes humilis. Physiol. Plant. 56: 381-385.

- Meijer, G. M., Eltjo and Brown, C. W. Daniel. 1987. Role of exogenous reduced nitrogen and sucrose in rapid high frequency somatic embryogenesis in Medicago sativa, Plant Cell, Tissue and Organ Culture. 10 : 11-19.
- Meijer, G. M., Eltjo and Brown, C. W. Daniel 1988. Inhibition of somatic embryogenesis in tissue cultures of Medicago sativa by amino ethoxyvinyl glycine, amino-oxacetic acid, 2,4-Dinitrophenol and salicylic acid at concentrations which do not inhibit ethylene biosynthesis and growth. J. Expt. Bot., 39 (199): 263-270.
- Misaghi, I. J. 1982. Physiology and biochemistry of plant pathogen interaction. Plenum Press, New York. pp. 35-61.
- Mohapatra, D. and Bajaj, Y. P. S. 1987. Interspecific hybridization in Brassica juncea x Brassica hirta using embryo rescue. Euphytica 36(1): 321-326.
- Mok, D. W. S., Mok. M. C. and Arjanta, A. Rabako, 1978. Interspecific hybridization of Phaseolus vulgaris with P. lunatus and P. acutifolius. Theor. Appl. Genet. 52 : 209-215.

- Monnier, M. (1978) 28. Culture of zygotic embryos. In "Frontiers of Plant Tissue Culture 1978", T. A. Thorpe (ed). p. 277. Univ. of calgary Press, Calgary, Canada.
- Moss, J. P. and Stalker, H. T. 1987. Embryo rescue in wide crosses in *Arachis* 3. In vitro culture of peg tips of A. hypogaea selfs and interspecific hybrids, Peanut Science 14 (2) 70-74.
- Moss, J. P., Stalker, H. T. and Pattee H. E. 1988. Embryo rescue in wide crosses in *Arachis*, I, Culture of ovules in peg tips of Arachis hypogaea : Annals of Botany, 61 (1): 1-7.
- Mroginski, L. A. and Fernandez, A. 1980. Obtencion de plantulas por cultivo in vitro de anteras de especies silvestres de Arachis (Leguminosae). Oleagineux. 35 : 89-92..
- Mroginski, L. A. and Kartha, K. K. 1981. Regeneration of pea (Pisum sativum L. cv. century) plants by In vitro culture of immature leaflets. Plant Cell Reports, 1 : 64-66.
- Mroginski, L. A., Kartha, K. K. and Shyluk, J. P. 1981. Regeneration of peanut (Arachis hypogaea) plantlets by in vitro culture of immature leaves. Can. J. Bot. 59: 826-830.

- Mukhopadhyay, A., Mohan Ram H. Y. and Bhojwani S. S. 1980. Regeneration of roots, shoots and plantlets in tissue cultures of Lathyrus sativus. In: P. S. Rao, Heble, M. R. and Chadha, M. S. (eds). Plant Tissue Culture, Genetic Manipulation and Somatic Hybridization, pp. 375-379.
- Mullins, M. G. and Srinivasan, C. (1976). Somatic embryos and plantlets from an ancient clone of the grapevine (cv Cabernet Sauvignon) by apomixis In vitro. J. Exp. Bot. 27: 1022-1030.
- Munoz, F. and Hidalgo, L. C. 1986. Problems of interspecific hybridization in phaseolus : embryo abortion. Preliminary experiment in embryo culture. Acta Agronomica 36 (4) 17-27.
- Murashige, T. (1977). Manipulation of organ formation in plant tissue culture. Bot. Bull. Acad. Sin. 18: 1-24.
- Murashige, T. 1978. The impact of tissue cultures on Agriculture. In : Thorpe, T. A. (ed). Frontiers of Plant Tissue Culture, Univ. of Calgary, Calgary, pp. 15-26.
- Murashige, T. and Skoog, F. 1962. A revised medium for rapid growth and biassay with tobacco tissue cultures. Physiol. Plant 15 : 473-497.

- Nabors, M. W. Gibbs, S. E.; Bernstein, C. S. and Meis, M. E. (1980). NaCl₂-tolerant tobacco plants from cultures cells Z. Pflanzenphysiol. 97: 13-17.
- Narayanan, A., Murthy, S. R. K./ and Khader, M. A. 1980. Performance of pigeonpea in post-rainy season. In: Proceedings of International workshop on pigeonpeas, ICRISAT/ICAR. Vol. 2. ICRISAT, Patancheru, India.
- Natali, L. and Cavallini, A. 1987. Regeneration of pea (Pisum sativum L.) plantlets by In vitro culture of immature embryos, Plant Breeding 99, 172-176.
- Nene, Y. L. (1980). A world list of pigeonpea and chickpea pathogens. ICRISAT Pulse Pathology Progress Report. No.8 Patancheru, A. P., India
- Nene, Y. L. and Kannaiyan, J. 1982. Screening pigeonpea for resistance to fusarial wilt. Plant diseases. 66(4) : 306-307.
- Nene, Y. L., Kannaiyan, J., Haware, M. P. and Reddy, M. V. 1979. Proceedings of consultants group discussion on the resistance to soil borne disease of legumes. Nene, Y. L. (ed). ICRISAT, Patancheru, A.P. India.
- Nene, Y. L., Kannaiyan, J. and Reddy, M. V. (1980). "Resistance to major pigeonpea diseases". International workshop on pigeonpea, ICRISAT, Patancheru, India 1: 121-217.

- Nene, Y. L., Kannaiyan, J. and Reddy, M. V. 1981. Pigeonpea diseases resistance screening techniques: Information Bulletin No. 9, ICRISAT Patancheru P.O. Andhra Pradesh, India.
- Nene, Y. L., Shaila, V. K. and Sharma, S. B. 1984. A world list of Chick-pea and pigeonpea pathogen. ICRISAT. Pulse Patho. Progress Report, 32 : 10-15.
- Newell, C. A. and Hymowitz, T. 1982. Successful wide hybridization between the soybean and a wild perennial relative, G. tomentella Hayata. Crop Science 22: 1062-1065.
- Obendorf, R. L. and Slawinska, J. 1988. Maturation of soybean somatic embryos to a dissiccation tolerant state. In Vitro Cell Dev. Biol. 24: 71A.
- Oono, K. 1978b). Test-tube breeding of rice by tissue culture. Trop. Agric. Res. Series, 11: 109-123.
- Ozias-Akins, P. (1989). Plant regeneration from immature embryos of peanut. Plant Cell Reports. 2: 217-218.
- Ozias-Akins, P. and Vasil, I. K. 1985. Nutrition and plant Tissue Cultures, In: "Cell Culture and Somatic Cell Genetics of Plants" (I.K. Vasil ed). Vol. 2: 129-147, Academic Press, Orlando, Florida.

- Pandey, R., Ganapathy, P. S. 1984. Isolation of Sodium chloride tolerant callus line of Cicer arietinum L.cv. BG-203. Plant Cell Rep. 3: 45-47.
- Patel, M. B., Bhardwaj, R. and Joshi, A. 1991. Organogenesis in vigna radiata (L.) Wilczek. Ind. J. Exp. Bio. 29 : 619-622.
- Patel, J. C., Vora, M. S. and Desai, B. G. 1981. Screening of pigeonpea lines for resistance to Fusarium udum under natural conditions. Pulse Crop Newsletter 1 (4): 51.
- Pattee, H. E., Stalker, H. T. and Moss, J. P. 1988. Embryo rescue in wide crosses in Arachis. 2. Embryo development in cultured peg tips of Arachis hypogaea. Annals of Botany 61(1) : 103-1122.
- Paris, D., Rietsema, J. Santina, S. and Blakeslee, A.F. 1953. Effects of amino acids, especially aspartic and glutamic acid and their amides, on the growth of Datura stramonium embryos In vitro. Proc. Natl. Acad. Sci. U.S.A. 39: 1205-1212.
- Parrott, W.A., Williams, E. G., Hilderbrand D.F. and Collins G. B. 1989. Effect of genotype on somatic embryogenesis from immature cotyledons of soybean. Plant Cell Tissue and Organ Culture. 16: 15-21.

- Peterson, R. L. 1975. The initiation and development of root buds. In : Torrey, J. G. and Clarkson, D. T. (eds). The Development and function of roots. Academic press, New York, pp. 125-161.
- Phillips, G. C. and Collins, G. B. (1979). In vitro tissue culture of selected legumes and plant regeneration from callus cultures of red clover. Crop Sci. 19 : 59-64.
- Phillips, G. C. and Collins, G. B. 1980. Somatic embryogenesis from cell suspension cultures of redclover. Crop Sci. 20: 323-326.
- Phillips, G. C. and Collins, G. B. 1981. Induction and development of somatic embryos from cell suspension cultures of soybean, Plant Cell, Tissue and Organ Culture, 1 : 123-129.
- Prema, 1988. Protoplast isolation culture somatic embryogenesis and plantlet regeneration in the biofertilizer and fibre legume Crotolaria juncea (sunnhemp). Ph. D. thesis, Uni. of Delhi, Delhi, India.
- Przywara, L., White, D. W. R., Sanders, P. M. and Maher, D. 1989. Interspecific hybridization of Trifolium repens with T. hybridum using ovuloembryo and embryo culture. Annals of Botany 64(6): 613-624.
- Pullman, G. S., Rappaport, L. 1983. Tissue culture induced variation in celery for Fusarium yellows. Phytopathology. 73: 818.

- Pundir, R. P. S. 1981. Relationships among Cajanus, Atylosia and Rhynchosia species, Ph. D. thesis, Banaras Hindu Univ., Varanasi, India.
- Pundir, R. P. S. and Singh, R. B. 1985. Crossability relations among Cajanus, Atylosia and Rhynchosia species and detection of crossing barriers : Euphytica, 34 : 303-8.
- Purseglove, J. W. 1968. Tropical Crops. Dicotyledons 1. Longmans. London pp. 236-241.
- Raghavan, V. 1976. Experimental embryogenesis in vascular plants, New york: Academic Press.
- Raghavan, V. 1977. Applied aspects of embryo culture. In ; Reinert, J. and Bajaj, Y. P. S.(eds) Applied and Fundamental aspects of plant cell, Tissue and Organ Culture, Springer-Verlag, pp. 375-397.
- Raghavan, V. 1983. Biochemistry of somatic embryogenesis, In : "Handbook of Plant Cell Culture Techniques for Propagation and Breeding (eds). D. A. Evans: W. R. Sharp, P. V. Ammirato and Y. Yamada (New york, Macmillan)" Vol. 1. pp. 655-671.
- Raghavan, V. and Torrey, J. G. 1963. Growth and morphogenesis of globular and older embryos of Capsella in culture Am. J. Botany. 50: 540-551.

- Rajasekaran, K. Hein, M. B. and Vasil, I. K. 1987. Endogenous abscisic acid and IAA and somatic embryogenesis in cultured leaf explants of Pennisetum purpureum schum : effects in vivo and in vitro of glyphosate, fluridone and paclobutrazol. Pl. Physiol. 84: 47-51.
- Raju, M. V. S. and Mann, H. E. 1971. Regenerative studies on the detached leaves of Echeveria clogans: Patterns of regeneration of leaves in sterile culture Can. J. Bot. 49: 2015-2021.
- Ramavat, K. G., Raj Bhansali, R. and Arya, H. C. 1977. Differentiation in Crotalaria callus culture. phytomorph. 27 : 303-307.
- Ranch, J. P. Oglesby, L. and Zielmski, A. C. 1985. Plant regeneration from embryo-derived tissue cultures of soybean. in vitro Cell Devl. Biol. 21: 653-658.
- Ranga Rao, I. V. and Ray, A. K. 1985. Stagnation in production of pulse. Agricultural situation in India. August : 369-376.
- Rangaswamy, N. S. 1967. Morphogenesis of seed germination in angiosperms. Phytomorphology 17: 477-487.
- Rangaswamy, N. S. 1986. Somatic embryogenesis in angiosperm cell tissue and organ cultures, proc. Indian Acad. Sci. (Plant Sci.) 96 (4): 242-271.

- Rao, P. S. 1987. In : Vasil, I. K. and Constable F. (eds).
Cell Culture and Somatic Cell Genetics of Plants
4, 229-254, Academic Press. Inc., New York.
- Rao, B. G. and Chopra, V. L. 1987. The influence of media
on callusing and organogenesis in chickpea Int.
Chickpea Newsletter. 17: 7-10.
- Rao, B. G. and Chopra, V. L. 1989. Regeneration in chickpea
(Cicer arietinum L.) through somatic embryogenesis,
Journal of Plant Physiology 134: 637-638.
- Rao, B. G. and Chopra, V. L. 1989. Regeneration from apical
meristem, stem nodes and cotyledons of chickpea,
Indian Journal of Pulses Research 2(1): 20-24.
- Rao, T. V. Ramanuja,, Mehta, U. and Mohan Ram, H. Y. 1982.
Whole plant regeneration from cotyledonary proto-
plasts of Crotalaria juncea :595-596: In: Fujiwara,
A. (ed). Plant Tissue Culture, Japanese
Association, Tokyo.
- Rao, I. V. Ramajuna, Rao, I. Mehta, U. Mohan Ram, H.Y. and
Prema, K. 1985. Protoplast isolation, culture
and plantlet regeneration from cotyledons of
sunn hemp. (Crotalaria juncea). Curr. Sci. 54:
983-986.
- Raut, R. S., Dhumale, D. B., and Lokhande, V. E. 1989.
Induction of callus and regeneration of plants
in rice bean (Vigna umbellata Thumb). Ann. of
Pl. Physiol. 3: 25-28.

- Reddy, L. J., Green, J. M. and Sharma, D. 1980. Genetics of Cajanus cajan (L.) Millsp x Atylosia spp : Proceedings of Int. workshop on pigeonpeas Vol.2. 39-50.
- Redei, G. P. 1982. Genetics. Macmillan Pub. Co. Inc. New York. pp. 620-622.
- Reinert, J. 1959. Veber die Knotrolle de Morphogenese and die Induktion Gewebekultren and koratten, planta, 53 : 318-333.
- Remanandan, P. 1980. The wild genepool of Cajanus at ICRISAT, Present and Future : Proceedings of Int. Workshop on Pigeonpea. Vol. 2 : 29-38. ICRISAT, Centre, Patancheru, India 15-19 Dec. 1980 (Vrinda Kumble ed.)
- Rijven, A. H. G. C. [1955]. Effect of glutamine, asparagine and other related compounds on the In vitro growth of embryos of Capsella bursapastoris. Proc. K. Ned. Akad. Wet. Ser. C. 58: 368-376.
- Ronchi, V. N., Caligo, M. A. Nozzolini M. and Luccarini G. 1984. Stimulation of carrot somatic embryogenesis by proline and serine. Plant Cell Report. 3 : 210-214.
- Roy, P. K. Singh, B., Mehta, S. L. Barat G. K., Gupta, N., Kirti, P. B. and Chopra, V. L. 1991. Plant regeneration from leaf disc. of Lathyrus sativus. Ind. J. Exp. Biol. 29: 327-330.

- Sacristan, M. D. 1982. Resistance responses to Phomalingam of plants regenerated from selected cell and embryogenic cultures of haploid Brassica napus Theor. Appl. Genet. 61: 193-200.
- Sacristan, M. D., Hoffmann, F. 1979. Direct infection of embryogenic tissue culture of haploid brassica napus with resting spores of plasmodiophora brassicae. Theor. Appl. Genet. 54 : 129-132.
- Saka, H., Vogui-Dinh, T. N. and Chang, T. Y. 1980. Stimulation of multiple shoot formation on soybean stem nodes in culture. Plant Sci. Lett. 19: 193-201.
- Sangvan, Veena, Chowdhury, V. K., Sareen, P. K. Yadav, Neelam and Chowdhury, J. B. 1989. Regeneration from callus cultures of Chickpea genotypes. Internt. Chickpea Newsletter. 21: 11-13.
- Santos, A. V. P., Cutter, E. G. and Davey, M. R. 1983. Origin and development of somatic embryos in Medicago sativa L. (alfalfa). Protoplasma. 117: 107-115.
- Sastri, D. C., Nalini, M. S. and Moss, J. P. 1981. Tissue culture prospects for improvement of Arachis hypogaea and other oilseed crops. In : Rao, A. N. (ed). Proc. COSTED Symp. on Tissue Culture of economically important plants, Singapore, pp. 42-57.

- Sateesh Kumar P. and Subrahmanyam, N. C. (1985). Plantlet regeneration from immature embryos of pigeonpea: International Pigeonpea Newsletter 4: 11-13.
- Savova, N. and Zagorska, N. 1987. Experiments to overcome the incompatibility of Phaseolus vulgaris L. and P. lunatus L. by In vitro methods. Genetika i selektivya, 20 (7) 448-453.
- Scala, A. Bettini, P., Buiatti, M., Bogani P., Pellegrini G. Tognoni F. 1984. In vitro analysis of the tomato Fusarium oxysporum system and selection experiments In : Novak, F. J. Havel, L. Dolezel J. (eds). Proc. Int. Symp. Plant Tissue and Cell culture, application to crop improvement, 24-229 Sept. Olomuc. Czechoslovakia. p. 361.
- Schafer-Menuhr. A., Czerwinski, T. and Busmann, A. 1988. The use of embryo culture for the production of interspecific hybrids from the cross Lupinus mutabilis x Lupinus hartwegii. Landbouwforschung Volkendrode 38 (3) 173-177.
- Schreiber, L. R. 1970. Variability of Ceratocystis ulmi in young seedlings of American elm and the effects of extracts from their tissues on conidial germination. Phytopath. 60 : 31-35.
- Scowcroft, W. R. 1977. Somatic cell genetics and Plant improvement. Ad. Agron. 229 : 39-81.

- Sekhawat, N. S. and Galston, A. W. 1983. Isolation, culture and regeneration of mothbean Vigna aconitifolia leaf protoplasts. Plant Sci. Lett. 34. 43-51.
- Sellars, R. M., Southward, G. M. and Phillips, G. C. 1990. Adventitious somatic embryogenesis from cultured immature zygotic embryo of peanut and soybean. Crop. Sci. 30 : 408-414.
- Selvapandiyan, A., Bhatt, P. N. and Mehta, A. R. 1989. Growth inhibition of intact plants and in vitro cultures of tobacco by cultures filtrates of Fusarium oxysporum f. sp. nicotianae. Annals of Botany. 64: 117-122.
- Selvapandiyan, A., Mehta, A. R. and Bhatt, P. N. 1988. Cellular Breeding Approach for Development of Fusarium wilt Resistant Tobacco, Proc. Indian Natn. Sci. Acad. B 54(6) 391-394.
- Seth, Mante, Ralph Scorza and John Cordts, 1989. A simple rapid protocol for adventitious shoot development from mature cotyledons of glycine max cv. bragg. In vitro Cellular and Development Biology. 25: 4.
- Shahin, E. A. and Spirey, R. 1986. A single dominant gene for Fusarium wilt resistance in protoplast derived tomato plants. Theor. and Appl. Genet. 73: 164-9.

- Shama Rao, H. K. and Narayanaswamy, S. 1975. Effect of gamma irradiation on cell proliferation and regeneration in explanted tissues of pigeonpea, Cajanus cajan (L) Millsp. Radiation Botany 15 : 301-305.
- Sharp, W. R., Evans, D. A. and Sandahl, M. R. 1982. Application of somatic embryogenesis to crop improvement: 759-762. In: Fujiwara, A. (ed). Proc. 5th Intern. Congr. Pl. Tissue and Cell Culture, Japan, Tokyo.
- Sharp, W. R., Sandahl, M. R., Caldas, L. S. and Maraffa, S. B. 1980. The physiology of in vitro asexual embryogenesis, Hortic. Rev. 2: 268-310.
- Shepard, J. F. 1981. Protoplasts as sources of disease resistance in plants. Ann. Rev. Phytopathol. 19 : 145-166.
- Shepherd, S. L. K. and Sandahl, M. R. 1986. Selection for early blight disease resistance in tomato: Use of tissue culture with Alternaria solani culture filtrate: In: Proc. VI Intl. Cong. of Plant Tissue and Cell Culture (D.A. Sommers, et al. eds). Univ. of Minnesota. pp. 211.
- Shimada, T. and Yamada, Y. (1979). Wheat plants regenerated from embryo cell cultures Jpn. J. Genet. 54: 54 : 379-385.

- Siddiqi, S. A. 1964. In vitro culture of ovules of Nicotiana tabacum L. var. N.p. 31. Natur wissenschaften. 51 : 517.
- Simmonds, N. W. 1979. Principles of Crop Improvement. Longman Group Ltd., London
- Simmonds, N. W. 1983. In : Kosuge, T. Meredith, C. P. and Hollander, A. (eds). Genetic Engineering of Plants: An Agricultural Perspective, Plenum Press, New York. pp. 5-27.
- Singh, D. V. and Misra, A. M. 1976. Search for wilt resistance varieties of red gram in Uttar Pradesh. Indian J. Mycol. Pl. Pathol. 6(1) : 89.
- Singh, R. P., Singh, B. D., Jaiswal, H.K., Singh, R.M. 1982, Organogenesis in callus cultures of chickpea, Ind. J. Agric. Sci. 52 : 86-90.
- Singh, S. and Thind, B. S. 1988. in vitro selection of cells resistant to Xanthomonas campestris pv. Vigna radiatae. in Mung bean, Ind. J. Mycol. and Pl. Pathol. 18 : 1: 108.
- Skoog, F. 1971. Aspects of growth factor interactions in morphogenesis of tobacco tissue cultures. In : Les Cultures de Tissus de Plantes. Colloz. Int. CNRS paris No.193, 115-135.

- Skoog, F. and Miller, C. O. [1957]. Chemical regulation of growth and organ formation in plant tissues culture in vitro. Symp. Soc. Exp. Biol. 11:118-130.
- Smith, R. S. and Snyder, W. C. 1975. Persistence of Fusarium oxysporum f sp. Vasinfectum in fields in the absence of cotton. Phytopath. 65: 190-196.
- Sondahl, M. R. and Sharp, W. R. [1977]. High frequency induction of somatic embryos in cultured leaf explants of Coffea arabica L. Z. Pflanzen Physiologie 81: 395-408.
- Songstad, D. D., Duncan, D. R. and Widholm, J. M. 1988. Effect of 1-aminocyclopropane-1 carboxylic acid, silver nitrate, and norbonadiene on plant regeneration from maize callus cultures, Plant Cell Rep. 7: 262-265.
- Sounder Raj, Nijalingappa, B. H. M. and Tejavathi, D. H. 1991. In vitro studies in Dolichos lablab. var lignosus (L). Prain. Ind. J. Exp. Biol. 229: 3: 221-225.
- Sreedhar, D. 1986. Tissue culture studies on a few economically important crop legumes, Ph. D. thesis, The M. S. Uni. of Baroda, Baroda, India.
- Srinath Rao and Basavaraj, K. 1990. Tissue culture and regeneration of plantlets in pigeonpea (Cajanus cajan L. Millsp). Ind. J. Bot. 13: 192-196.

- Stakler, H. T. and Eweda, M. A. 1988. Ovule and embryo culture of Arachis hypogaea and interspecific hybrids. peanut Science, 15 : 2 : 98-104.
- Stanton, W. R., Doughty, J., Orraca, Tettch, R. and Steele, W. 1966. Grain Legume in Africa, FAO, Rome.
- Stavarek, S. J. Croughan, T. P. and Rains, D. W. 1980. Regeneration of plants from long term cultures of alfalfa cells. Plant Sci. Lett. 19: 253-261.
- Steele, J. A., Uchytel, T. F. and Durbin, R. D. 1978. The stimulation of coupling factor 1 ATPase by tentoxin. Biochem. Biophys. Acta. 504: 136-141.
- Steele, J. A., Uchytel, T. F., Durbin, R. D., Bhatnagar, P. and Rich, D. H. 1976. Chloroplast coupling factor I. A species specific receptor for tentoxin. Proc. Natl. Acad. Sci. (USA). 73: 2245-2248.
- Steward, F. C. 1958. Growth and development of cultivated cells. III. Interpretations of the growth from free cell to carrot plant. Am. J. Bot. 45: 709-713.
- Stewart, J. M. 1981. In vitro fertilization and embryo rescues. Environ. Exp. Bot. 21: 301-305.
- Street, H. E. 1975. Some critical morphological aspects of embryogenesis in culture. In: "Form, Structure and Function in Plants" H. Y. Mohan Ram., J. J. Shah and C. K. Shah (eds), (Prof. B. M. Johri Commemorations). p. 457.

- Street, H. E. 1979. Embryogenesis and chemically induced organogenesis, In: "Plant Cell and Tissue Culture Principles and Applications" (eds). W. R. Sharp, P. O. Larsen, E. P., Paddock, E. F., Paddock and Raghavan (Columbus Ohio State, Univ. Press). pp. 127-153.
- Street, H. E. and Withers, L. A. (1974). The anatomy of embryogenesis in culture, In: "Tissue and Plant Science" 1974 (ed). H. E. Street, pp. 71-100, London, Academic Press.
- Stuart, D. A., Nelsen, J., McCall, C. M. 1985. Physiology of the development of somatic embryos in cell cultures of alfalfa and celery. In Zaitlin, M., Day, P. and Hollaender, A. (eds). "Biotechnology in plant Science Relevance to Agriculture in the 1980s", New York: Academic Press, pp. 35-47.
- Stuart and Strickland. S. G. 1984. Somatic embryogenesis from cell cultures of Medicago sativa L. The role of amino acid addition to the regeneration medium. Plant Sci. Lett., 34: 165-174.
- Sunderland, N. 1977. Nuclear cytology. In: "Plant Tissue and Cell Culture" (H.E. Street, ed) 2nd ed. pp. 197-205. Univ. of California Press, Berkeley.
- Sung, Z. R. and Okimoto, R. 1981. Embryonic proteins in somatic embryos of carrots, Proc. Nat. Acad. Sci. 78: 3683-3687.

- Sung, Z. R. and Okimoto, R. 1983. Co-ordinate gene expression during somatic embryogenesis in carrot, Proc. Nat. Acad. Sci. U.S.A., 80: 2661-2665.
- Susan Eapen, Gill Ravinder and Rao, P. S. 1986. Tissue Culture Studies in Mothbean. Current Science. 55: (15) 707-709.
- Swedlund, B. and Locy, R. D. 1988. Somatic embryogenesis and plant regeneration in two years old cultures of Zea diploperennis, Plant Cell Reports, 7: 144-147.
- Tachibana, H. 1971. Virulence of Cephalosporium gregatum and Verticillium dahliae in Soybeans. Phytopath. 61 : 565-568.
- Tazawa, M. and Reinert, J. (1969). Extra cellular and inter cellular chemical environments in relation to embryogenesis in vitro, Protoplasma, 68: 157-173.
- Terzi, M., Giuliano, G.; Loschiavo, F., Nuti Rochin, V. 1982. Studies on plant cell lines showing temperature-sensitive embryogenesis, In: Burger, , (ed). "Embryonic Development, Part A", New York, Alan Liss, pp. 521-534.
- Tetu, T., Sangwan, B.S. and Sangwan, R.S. 1990. New approach towards controlling somatic embryogenesis in certain agronomically important plants. In: The Impact of Biotechnology in Agriculture, Sangwan, R.S. and Sangwan-Norreel, B.S. (eds). Kulwer Academic Publ. Printed in the Netherlands pp. 171-189.

- Thanutong, P., Furusawa, I. Yamamota M. 1983. Resistant tobacco plants from protoplast-derived calluses selected for their resistant to Pseudomonas and Alternaria toxins. Theor. Appl. Genet 66: 209-215.
- Thimann, K. V. and Sachs, T. 1966. The role of cytokinins in the fasciation disease caused by Corynebacterium tumetasciens Amer. J. Bot. 53: 731-739.
- Thomas, E., King, P. J. and Potrykus, I. 1979. Improvement of crop plants via single cells in vitro an assessment. Z. Pflanzenzuchi, 82: 1-30.
- Thorpe, T. A. 1980. Organogenesis in vitro; structural physiological and biochemical aspects. In: "Perspectives in Plant Cell and Tissue Culture, Internal. Rev. Cytol. Suppl. IIA ed. I.K. Vasil, pp. 71-111, New York, Academic Press.
- Thorpe, T. A. 1982a. Physiological and biochemical aspects of organogenesis in vitro. In: "Plant Tissue Culture" (Fujiwara, A. ed), Japanese Assoc. for plant Tissue Culture, Tokyo, pp. 121-1224.
- Tisserat, B. Esan, B. B. and Murashige, T. 1979. Somatic embryogenesis in angiosperms, Hortic. Rev. 1: 1-78.

- Tomes, D. T. 1985. Cell culture, somatic embryogenesis and plant regeneration in maize, rice, sorghum and millets. In: Cereal Tissue and Cell Culture. S. M. J. Bright and M. G. K. Jones, (eds) pp. 175-203 Martinus Nijhott/Jung, Amsterdam.
- Tothill, J. D. 1948. Agriculture in the Sudan. Oxford University Press, London.
- Townsend, A. M. 1971. Relative resistance of diploid Ulmus species to Ceratocystis ulmi. Plant Dis. Rep. 55: 980-982.
- Tran Dang Kein, Mehandjiv, A. and Chy B. A. Phuc. 1989. Factors influenceing the somatic embryogenesis in soybean (Glycine max L. Merr.). Comtes Rendus de i Academic Bulgaredes Sciences. 42 :9: 91-93.
- Tulecke, W. 1987. Somatic embryogenesis in woody perennials pp. 61-91, In: "Cell and Tissue Culture in Forestry" Vol. 22 eds. J. M. Bonga and D. J. Durzan, Martinus Nijhott, Publisher, Boston.
- Unnikrishnan, S. K., Prakash, L., Josekutty, P. C., Bhatt, P. N. and Mehta, A. R. 1991. Effect of NaCl salinity on somatic embryo development in Sapindus trifoliatus L. Journal of Experimental Botany, 42 (236): 1-6.

- Upadhyay, R. S. and Rai, B. 1982. A possible mode of dispersion of Fusarium udum Butler in soil by termites. Science and Culture 48 (6): 207-208.
- Vaidyanath, K. and Amrith Sagar. 1990. Somatic embryogenesis and plant regeneration from tissue culture of pigeonpea. VIIth International Congress on Plant Tissue Culture and Cell Culture; Amsterdam, June 24-29. 1990.
- Vavilov, N. I. 1939. The new systematic of cultivated plant. In Huxley, J. (eds.) The new systematics, London. U.K., Oxford Univ. Press: 549-566.
- Vasil, I. K. and Visil, V. (1980), Chonal propagation. Int. Rev. Cytol. Supp. II A, 145-173.
- Vasil, V. and Vasil, I. K. 1982. Characterization of an embryogenic cell suspension (Pearl millet, Gramineae), Am. J. Bot., 69: 1441-1449.
- Wakizuka, T., and Nakajima, T. 1974. Effect of cultural condition on the in vitro development of ovules of Petunia hybrida Vilm. Jpn. J. Breed. 24: 182-187.
- Walker, K. A., Yu, P. C. Sato, S. J. and Jaworska, E. G. 1978. The hormonal control of organ formation in callus of Medicago sativa L. cultures in vitro. Amer. J. Bot. 65: 654-659.

- Walton, P. D. and Brown, D. C. W. 1987. Screening of Medicago wild species for callus formation and the genetics of somatic embryogenesis, J. Genet. 67(2): 95-100.
- Warren, R. S. and Rourley, D. G. 1970. The use of tissue culture in the study of single gene resistance of tomato to Phytophthora infestans. J. Am. Soc. Hort. Sci. 95: 266-269.
- Wenzel, G. 1985. Strategies in unconventional breeding for disease resistance. Annu. Rev. Phytopath. 23: 149-172.
- Wenzel, G. and Foroughi-Wehr, B. 1990. Progeny tests of barley, wheat and potato regenerated from cell cultures after in vitro selection for disease resistance. Theor. Appl. Genet. 80: 359-365.
- Westhuizen, A. J. Van Der, and Groenewald, E. G. 1990. Root formation and attempts to establish morphogenesis in callus tissues of bean (Phaseolus vulgaris L.) South African J. Bot. 56(2) : 271-273.
- Wetherell, D. F. and Dougal, D. K. (1976), Source of nitrogen supporting growth and embryogenesis in cultured wild carrot tissue, physiol. Plant, 37: 97-103.
- Wheeler, H. and Black, H. S. 1963. Effects of Helminthosporium victoriase and victorin upon permeability. Am. J. Bot. 50: 686-693.

- White, P. R. 1939b. Controlled differentiation in a plant tissue. Bull. Torrey Bot. Club., 66: 507-513.
- White, P. R. 1954. The cultivation of animal and plant cells. New York, USA : Ronald Press.
- Williams, W. M., Lautour, G. DE. and Williams, E. G. 1987. A hybrid beteen ornithopus sativus and O. compressus cv. pitmam obtained with the aid of ovule-embryo culture. Australian Journal of Botany 35(2): 219-226.
- Williams, E. G. and Maheswaran, G. M. 1986. Somatic embryogenesis, Factors influencing co-ordinated behaviour of cells as an embryogenesis group. Ann. Bot., 57 : 443-462.
- Willmot, D. B., Nickell, C. D., Widholm J. M. and Gray, L. E. 1989. Evaluation of soybean resistance to Phialophora gregata culture filtrate in tissues culture. Theor. Appl. Genet. 77: 227-232.
- Wochok, Z. S. and Slvis, C. J. 1980. Gibberellic acid promotes Atriplex shoot multiplication and elongation. Plant Sci. Lett. 17: 363-369.
- Wright, M. S., Kochler, S. M., Hinchee, M. A. and Carnes, M. G. 1986. Plant regeneration by organogenesis in Glycine max. Plant Cell Reports. 5: 150-154.

- Wright, M. S., Williams, M. H., Pierson, P. E. and Carnes, M. G. 1987. Initiation and propagation of Glycine max L. Merr. Plants from tissue-cultured epicotyls: Plant Cell, Tissue and organ culture: 8: 83-90.
- Whyte, R. O. Nilson. Leissner, G. and Trumble, H. C. 1953. Legumes in agriculture. FAO. Agric. Studies, Rome 21.
- Xu, Z. H., Davey, M. R. and Cocking, E. C. 1982. Organogenesis from root protoplasts of the forage legumes Medicago sativa and Trigonella foenum-graecum. Z. Pflanzenphysiol. 107: 231-235.
- Yu, K. F., Christie, B. R. and Pauls, K. P. 1990. Effects of Verticillium albo-atrum culture filtrate on somatic embryogenesis in alfalfa. Plant Cell Reports. 8 :9: 509-511.
- Zagorska, N. A., Savova, N. P. and Atanasov, A. I. 1982. Callus induction and regeneration of plants by unripe embryos of Phaseolus vulgaris in vitro. Comptes rendus de l'Academie bulgare des Sciences. 35(7) : 989-992.
- Zete, K. K., Thombre, P. G. and Khalikar, P. V. 1986. BDN2 a wilt tolerant superior cultivar of pigeonpea for Gujarat. International Pigeonpea Newsletter 5: 38.

- Zhan, X. 1984. Superseeds. embryoids packed in plasitcs, Plant Physiol. Commun., 2: 74 (in Chinese).
- Zote, K. K., Sinde, V. K. and Dandnaik, B. P. 1987. Breeding for multiple diseases resistance in pigeonpea. J. of Maharastra Agric. Uni. 12(1): 123-125.