

Bibliography

- Anagnostakis, S.L.1974,Haploid plants from anthers of tobacco
enhancement with charcoal.Planta, 115,281-283.
- Baburaj, S and Gunasekaran, K.1983.Micropropagation of
Tecoma stans (L) Kunth.Geo.Vol.20(4)246-249.
- Backs-Husemann,D. and Reinert,J.1970. Regeneration of plants
from tissue culture by Narayanaswamy,S. In Applied and
fundamental aspects of plant cell, Tissue and Organ
culture eds.J.Reinert and Y. PS Bajaj Springer-Verlag
N.Y.pp.179-206.
- Bajaj, Y.P.1977. Protoplast isolation culture and somatic
hybridizaion. In reinart,J.and Bajaj, Y.P. Ed. Applied
and fundamental aspects of plant cell tissue and organ
culture, Springer-Verlag, N.Y.ppp 465-495.
- Bajaj,Y.P.S.and Cocking ,E.C.1972. The isolation and culture
of microspore tetrads and microspore mother protoplasts
of some angiosperm.Proc.3rd Int.Symp.Yeast Protoplast,
Spain.p.79.
- Bajaj Y.P.S. and Maeder,M.1974.Growth and morphogenesis in
tissue cultures of Anagallis arvensis. Physiol.plantaum,
32,pp.43-48.
- Bajaj,Y.P.S. and Davey,M.R. 1974. The isolation and
ultrastructure of pollen protoplast. In : Fertilization
in higher plants(H.F.Linskens ed) North Holland,
Amsterdam , pp.73-80.
- Bajaj,Y.P.S.,1974c. Isolation and culture studies on pollen
tetrad and pollen mother cell protoplasts. Plant Sci.
Lett.3, pp.93-99.
- Ball,E.1950. Differentition in callus culture of Sebania
sampervirnes growth 14,pp.295-325.



- Al-Jarrah, I.F.J. and Cocking, E.C. 1972. The isolation and culture of microspore tetrads and microspore mother protoplast of some angiosperm. Proc. 3rd Internat. Symp. Yeast Protoplast, Spain p.79.
- Bourgin, J.P. and Nitsch, J.P. 1967. c-f. History of plant tissue and cell culture : A personal account by Gautheret, R.J. In : Cell culture and somatic cell genetic of Vol. II ed. Indra K. Vasil, 1985 Pb. A.P.N.Y.
- Burk, L.G. Gwynn, G.R., Chaplin, J.F. 1972. Deplodized haploids from aseptically cultured anthers of Nicotiana tabacum A colchicine method applicalbe to plant breeding J. Pharm. Pharmacol, 7, 1063.
- Ratta, S.J. 1972. Physiomorphogenetic studies on tissue culture of Luffa acutangula and Lectuca sativa with prilliminary observations on protoplast of tomato fruit juice. M.Sc. Thesis submitted to Punjab Univ. Chandigarh
- Bates, G.W., Viastuch, W., Riggs, C.D. and Rabussy, A.D., 1988. Electroporation for DNA delivery to plant protoplast. Plant tissue and organ culture, 12, pp.213-218.
- Benveniste, P. Lhirth and Ourissong, 1964. History of plant cell tissue and cell culture Vol. II Ed. I.K. Vasil, Acad. Press pp.1-59
- Bhattacharya, S. 1991. Plant regeneration from mature embryo derived callus of certain Barley, Cultivars phytomorphology, 41, pp.121-127.
- Bhojwani, S.S. and Cocking, E.C. 1972. Isolation of protoplast from pollen tetrads Nature New. Biol., 239: pp.29-30.
- Birch, R.G., Franks, A., 1991. Development and optimization of microprojectile system for plant genetic transformation. Amt. J. Pl. Physiol. 18, pp.453-469.
- Bapat, V.A. Rao, P.S. Heble, M.R. 1986. Immobilization of cells and protoplast of Catharanthus roseus Proc. Indian Acad. Sci. 96 (5) pp.413-418.

- Botm, H., 1980. The formation of Secondary metabolites in plant tissue and cell culture Int. Rev. Gytol. Supp. 11b, pp. 180-208.
- Burkholder, P.R., Nickell, L.G. 1949. A typical growth of plants. 1. Cultivation of Virus tumors of Rumex on nutrient agar. Bot. Gaz, 110, pp. 426-437.
- Burden, E., Grindley, D.N., Prowse, G.A. 1955. The poisonous principles and histology of Gloriosa virescens, Lindl. Jour. of pharm. Pharmacol. 7, p. 1063.
- Byan, J.T., and Lavter, W.M., 1951. Alkaloid content of G. rothschildiana Brien. J. Am. Pharm. Assoc. 40, p. 253.
- Calpham, D. 1971. In vitro development of callus from the pollen of Lolium and Hordeum Z. Pflanzenzüchtg. 65 pp. 282-292.
- Christou, P., McCabe, D.E., Swain, W.F., 1988. Stable transformation of Soybean callus by DNA coated gold particles. Plant. Physiol. 87, pp. 671-674.
- Clewer, H.W.B., Green, S.J. and Tutin, F. 1915. The constitution of G. Superba J. Chem. Soc. 8, p. 35.
- Cocking, E.G. 1960. A method for the isolation of plant protoplast and vacuoles. Nature. 187, pp. 902-962.
- Ciorcos, A. 1973. Redifferentiation of Avabidiopsis thaliana from callus culture. Am. J. Bot. 60(9) p. 5.
- Czech, H.C.F., Gautheret, R.J. 1926. History of plant tissue and cell culture. A personal Account. In Vasil, I.K. Ed. Cell Culture and Somatic cell Genetics of Plant Vol. II, A.P. New York, pp. 1-59.
- Davey, M.R., Cocking E.C., Freeman H.A., Pearce, N. and Tudor, I. 1980. Transformation Petunia protoplast by isolated Ti plasmid, Plant Sci. Lett. Vol. 18, pp. 317-330.

Davey, M.R. Short, K.C. 1973. The isolation culture and fusion of legume and cornflower leaf protoplasts pp.439-453. 118

Doy, C.H., Gresshoff, P.M. Rolfe, B.G. 1973b. Time course of phenotypic expression of E.coli gene Z following transgenesis in haploid Nicotiana glauca cells. Nature New Biol. 244, pp.90-91.

Doy, C.H., Gresshoff, P.M., Rolfe, B.G. 1973a, Biological and molecular evidence for the transgenesis of genes from bacteria to plant cells Proc. Natl. Acad. Sci. USA 70 pp.723-726.

Doy, C.H., Gresshoff, P.M., Rolfe, B.G. 1972. Phage mediated transfer and subsequent expression of the galactose operon from E.Coli in cells of haploid tomato callus. Proc. Australian Biochem. Soc. 5, p.3

Duhamet, L., C.F. Butenko, R.G. 1957. In Plant tissue culture and plant morphogenesis, ed. I.P.S.T. Jerusalem. pp. 1-9.

Duhamet, L., C.F. Butenko, R.G. 1955. In plant tissue culture and plant morphogenesis ed. 1968, I.P.S.T. Jerusalem, pp.1-9.

Eapens, Rangan, T.S. Chadha, M.S. and Heble, M.R. 1978. Biochemical, cytological and cytological studies in tissue cultures and regenerated plants of Atropa belladonna. Can. J. Bot. 56, pp.2781-2784.

Eflanti, V. Kurz, W.G.W. and Constable F. 1985. Stimulation of sanguinarine accumulation in Papaver somniferum cell culture of fungal elicitors. J. plant Physiol. 119, pp.65-76.

Fornesbech, M. 1974a. The influence of NAA BA and Temperature on shoot and root development from Begonia into Cheimomtha petiole segments grown in vitro. Physiol. Plantarum, 32, pp.49-54

Fowler, M.W. 1986. Industrial application of plant cell culture in M.M. Yeoman ed. Plant cell culture technology Blackwell pp.202-227.

Fridburg, G. and Erinksson, T. 1975. Effect of activated charcoal on growth and morphogenesis in cell cultures *Physiol plant* 34, pp.306-308

119

Frischknecht, P.M. Battig, M. and Baumann T.W. 1986b. Effect of drought and wounding stress on indole alkaloid formation in Catharanthus roseus G.Don. *Phytochemistry* 26, pp.707-710.

Frischknecht P.M. and Baumann T.W. 1985. Stress induced formation of Purine alkaloids in plant tissue culture of Coffea arabica, *Phytochemistry* 24, pp.2255-2257.

Fromm, M. Taylor, L.P. and Walbot A.L. 1985. Expression of genes transformed into monocot and dicot plant cells by electroporation *Proc. Nat.Acad.Sci.of the USA* 82, pp.5824-5828.

Gamborg, O.L., Murashige, T. Thorpe T.A. and Vasil I.K. 1976. Plant tissue culture media. *In vitro* Vol.12. pp.372-378.

Gautheret, R.J. 1985. History of plant Tissue and Cell Culture: A personal Account in (Indra K.Vasil ed) *Cell culture and Somatic Cell genetics of Plants* Vol.II, pp.1-49.

Gautheret, R., C.F. Butenko, R.G. 1961. In *Plant Tissue and plant morphogenesis* ed.MKh.Chailakhyan, Pb.I.P.S.T. Ltd., pp.1-9.

Gautheret R.G., C.F. Butenko R.G. 1962. In *Plant Tissue and Plant Morphogenesis* ed.MKh. Chailakhyan Pb.Isreal program for scientific Translation Ltd. pp.1-9.

Giger, E.R. Kappeler, A.W. Baumann T.W. and Frischknecht C.F. Baumann and P.M. Frischknecht 1985. Purines. IN (I.K. vasil ed.) *Cell culture and somatic cell genetics of plants* Vol.V. Acad.Press. pp.403-417.

Gulka, S. and Maheshwari, S.C. 1966. Cell division and differentiation of embryos in the pollen grains of *Datura in vitro*. *Nature* (London), 212, pp.97-98.

- Giles, Y. and Sarafis, V. 1971. On the survival and reproduction of chloroplast outside the cell. *Cytobios.* 4, pp.61-64.
- Goris, A.C.F. Buternko, R.G. 1954. In plant tissue culture and plant morphogenesis ed. Chailakhyan M.Kh. pb. Isreal program for scientific Translation Ltd. pp.1-9.
- Hackel, V. Klein, J. Megnet, R. and wagner, F. 1975. immobilization of microbial cell in polymeric Matrices. Europe J. Appl. Microbiol. 1, pp.291-293.
- Harborne, J.B. 1982. "Introduction to ecological biochemistry 2nd Ed. Acad. Prss, New York.
- Hauptmann, R.M. Ozias, Akins, P. Vasil; V. Tabaeizadeh, Z. Rojers S.G. Hough, R.B. Vasil, I.K. Fraley, R.T. 1987. In Transient expression of electroporated DNA in monocotyledons and dicotyledons Species plant cell reporter 6, pp.265-270.
- Hegde B.A. and Lugde M.R. 1986d. Relative efficiency of Gloriosa and Ephegenia for C-Na acetate utilisation as precursor of colchicine Indian J. of Expt. Biol. 24(10) p.669.
- Heller, R. C.F.E. Butenko, R.G. 1953. Plant Tissue culture and plant morphogenesis 1968.
- Heller, R.C.F. Gantheret, R.G. 1953. History of plant tissue and cell culture a personal account In: Cell culture somatic cell genetics of plants. Ed. Indra K. Vasil. A.P. 1985. pp.2-50.
- Hussey, G. 1986 Vegetative propagation of plant by tissue culture In M.M. Yeoman (Ed. plant cell culture Technology) Narosa pp.27-58

- Hutchinson J. 1959. The Families of flowering plants Vol. II
Monocotyledons, London C.F. by Singh S. (1975),. In
cytotaxonomy of Liliales, Fedder Reportorium 86(5) p.255
- Huesemann W. and Barz, W. 1977. Photoautotrophic growth and
photosynthesis in cell suspension cultures of
Chenopodium rubrum. Physiol. Plant 40, pp.77-81.
- Hu, C.Y. and Wang, P.J. 1983. Meristem shoot tip and bud
cultures in handbook of ~~plant~~ cell culture Vol.1,
Evans, D.A., Sharp, W.R., Amimoto P.U. and Yamada, Y
Mac Millian Pb. pp.177-227.
- Hu, C.Y. and Wang, P.J. 1983. Meristem. Shoot tip and bud
culture in (D.A. Evans, W.R. Sharp, P.V. Ammirato Y.
Yamada Ed) Handbook of plant cell culture: Techniques
for propagation and breeding Vol. I, pp.177-227.
- Ichi, O. Yoshihiko Hiro Sai 1993. Novel system for formation
of carrot somatic embryos plant cell Physiol. Vol 34,
(305).
- Jack, R.R. and Zajic, J.E. 1977. The immobilization of whole
cells Advanc. Biochem. Eng. 5, pp.125-145.
- Jaykar, M. 1970. In vitro flowering of Crepis capillaris Phyto-
morphology, 20, pp.410-412.
- Johri B.M. and Guha S. 1963. The technique of in vitro
culture in the study of physiology of reproduction
J. Ind. Bot. Soc. 42a, p.58-73.

- Kasper-Baver M.J. Collins G.B. 1972. Reconstitution of diploids from leaf tissue of anther derived haploids in tobacco Crop. Sci. 12, pp.98-101.
- Kameya, T. and Hinata, K. 1970. Induction of haploid plants from pollen grains of Brassica Jpn. J. Breed. 20, pp.82-87
- Kavathekar, A.A. Ganapathy, P.S. 1973. Embryoid differentiation in studies on origin development and dormancy of Eschscholtzia californica Current Sci. 42, p.671-673.
- Kaul, J.L., Moza, B.K., Santavy, F. and Vrulov²sky, P. 1964. Isolation of alkaloids from some plants of family Wurmbaeoideaa sub family collection czech Chem. Commun. 29, 1689.
- Kinnersely, H.M. Dougall, D.K. 1980. Increase in anthocyanin yield from wild carrot cell culture by a selection system based on cell aggregate size. Planta 149, pp.200-204.
- Klein, J. and Kleuge, M. 1981. Immobilization of microbial cell in polyurethane matrices Biotech. Lett. 3, pp.65-70.
- Klein, R.L. and Kleim D.T. 1970. Research method in plant science, Garden city New York.
- Klein, T.M. Wolf²E.D. Wu, R. and Sanford J.C. 1987. High velocity microprojectile for delivering nucleic acids in to living cell Nature 327, pp.70-73.
- Kochhar, T. Sabharwal, P. and Engelberg, J. 1971. Production of homozygous diploid plants by tissue culture tech. J. Hered. 62 pp.59-61.
- Krens, F.A., Molandijak L, Willems, G.J. and Schilperoor, R.A. 1982. Intratransformation of plant protoplast with T1 plasmid DNA Nature Chondog 295, pp.72-74.
- Kulescha, Z. C.F. Stenko, R.G. 1954. In : plant tissue culture and plant morphogenesis ed. Chailkhyan, M. Kh. Pb. I. P. S. T Ltd.,
- Kulescha, Z. C.F. Buteko, R.G. 1951. In : Plant tissue culture and plant morphogenesis ed. Chailkhyan, M. Kh. Pb. Israel programme for scientific translation Ltd.

- Lambe, C.A. and Rosebear A. 1982. Production of chemical compound from viable cells UK patent No. G.B. 2096 169a
- Larkin, P.J. Taylor, B.H. Gersmann, M. and Brettell, R.I.S. 1990. Direct gene transfer to protoplast Aust. J. of Bot. 17.
- Lettan, D.S. 1974. Aregulators of cell division in plant tissues. The cytokinins of coconutmilk. *Physiol. Plant*, 32, pp. 66-70
- Letham, C.D. Shannon, N.N. and Mc Donald, I.R. 1964. The structure of zeatin a factor inducing cell division Proc. Chem. Soc. London, 280, pp. 230-231.
- Letham, C.D., Shannon, N.N. and Mc Donald, I.R. 1964, The structure of Zeatin a factor inducing cell division Proc. Chem. Soc. London, 280, pp. 230-231
- Lindsay, K. 1982. Studies on the growth and metabolism of plant cells cultured on fired bed reactor Ph.D. Thesis Univ. of Edinburgh.
- Liptak, P. 1927. BER, Ungar, Pharm. Ges. 3, p. 346.
- Lindsay, K. and Yeoman, M.M. 1986. Immobilized Plant cells. In *Plant cell culture Technology*, ed. M.M. Yamann pp. 228-267
- Lindsay, K. and Yeoman M.M. 1983a. Novel experimental systems for studying the production of secondary plant metabolites by Plant tissue culture. In *Plant biotechnology* (Eds. Mantell S.H. and Smith H) Cambridge Univ. Press. Cambridge, pp. 39-66.
- Lockwood, G.B. 1984. Alkaloids in cell suspensions derived from Papaver spp. and effect of temp. stress. *cz. Pflanzphysiol.* 114, pp. 361-63.
- Lugade, M.R. and Hegde B.A. 1992. Karyological and metabolic peculiarities in G. lutea Hort. (2n=22) *cytologia*, p. 57.
- Lutz, C.F. Gautheret, R.J. 1966. History of plant tissue and plant tissue and cell culture. A personal account. In : Vasil, I.K. ed. *Cell Culture and somatic cell Genetics of plant* Vol. II. A.P.N.Y. Vol. 1985, pp. 1-59.

- Mackenzie D.R. Anderson P.M. and Wernham, C.C. 1966. A mobile air blast inoculator for plot experiments with maize dwarf mosaic Virus Plant Disease Reporter 50, pp.363-67.
- Mahashwari, N. and Lal M. 1961a. In vitro culture of ovaries of Iberis amara L. phytomorphology 2, pp.70-123.
- Mahashwari, P. and Rangaswamy, N.S. 1963 Plant tissue and organ culture, a symp. Pb. The Int. Soc. Plant morphologists
- Mahashwari, S.C. and Gupta R.P. 1965. Production of Adventitious embryoids in vitro from stem callus of Foeniculum vulgare. Planta, 61, pp.384-86.
- Mahashwari, N. 1958. In Vitro culture of excised ovules of Papaver somniferum Sci. 127, p.342.
- Mahashwari, N. and Lal M. 1961. In vitro culture of excised ovule of Papaver somniferum Phytomorphology, 2, pp.301-14.
- Maheshwari, P. Rangaswamy, N.S. 1958. Polyembryonal and invitro cultures of embryos of citrus and Mangifera. Indian J. Hort. 15, pp.275-282.
- Maheshwari, P. Rangaswamy, N.S. 1963. Plant tissue and organ culture a symposium Pb. the Int. Soc. Plant. Morphologists
- Mali G.A. P. Lazar, G. SVAB, Z and Nagy F. 1976. Transient cyclohexamide resistance in tobacco cell line molec. Gen. 14, pp.32-39.
- Matsumoto, T. Ikeda, T. Kanno, N. Kasaki, T. and Naguchi, M. 1980. selection of high ubiquinone 10-producing strain of tobacco cultured cells by cell cloning tech. Agric. Biol. Chem. 44, pp.967-969.
- Mehra, A. Mehra, P.N. 1974. Organogenesis and Plantlet formation in Vitro in almond. Botan. Gaz. 135, pp.61-73.

- Murashige, T. and Skoog, F. 1962. A revised medium for rapid growth and bioassays with tobacco tissue cultures. *Physiol. Plant.* 15, pp. 473-497.
- Miller, C. 1961. A kinetin like compound in maize. *Proc. Natl. Acad.*
- Mitra, G.C. Chaturvedi, H.C. 1990. Fruiting plants from in vitro grown leaf tissues of Rauvolfia serpentina Benth. *Current Sci.* 39, pp. 128-129.
- Morel, G. C.F.R.J. Gautheret. 1971. History of Plant tissue and cell culture (In I. K. Vasil ed). *Cell culture and somatic cell genetics vol. II* 11, pp. 1-59.
- Morel, G. 1964. Tissue culture a new means of clonal propagation of orchids. *Amer. Orch. Soc. Bull.* 34, pp. 473-78.
- Muri, W.H. Hidebrandt, A.C. and Riker A.J. 1954. Plant tissue culture product from single isolated plant cell science 19, pp. 877-78.
- Murashige, T. and Skoog, F. 1962. A revised medium for rapid growth and bioassays with tobacco tissue cultures, *Physiol. Plant.* 15, pp. 473-497.
- Muhitch, M.J. and Fletcher, J.S. 1985. Influence of culture age spermidine treatment on the accumulation of phenolic compounds in suspension cultures *Plant physiol.* 98, pp. 25-28.
- Nabors, M.W. Gibbs, S.E. Bernstein, C.S. and Mies, M.E. 1980. NaCl tolerant tobacco plants from culture cells Z. *Pflanzenphysiol.* 97, pp. 13-18.
- Narain, P. 1972. Cytological and hybridization studies in some species of Gloriosa and Amarullis Ph.D. thesis submitted to Univ. Agra, India.

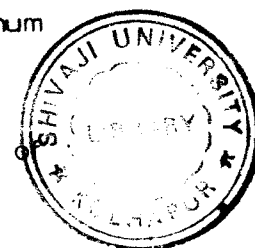
- Nass, M.K. 1969. Uptake of isolated chloroplast by mammalian cells. Sci. 965, pp.1128-1131.
- Nataraja, K. 1975. Morphogenesis in embryonal callus of Euphorbia pulcherima L. in vitro Current Sci. 44, p.136.
- Nataraj, K. Chennaveeraih, M.S. ^o ~~Gingowada~~, P. 1973. Invitro production of shoot buds in Euphorbia Pulcherina current sci. 42, pp.577-78/
- Nitsch, J.P. 1949. Culture of fruits in Vitro Science 110, pp.449.
- Nitsch, J.P. 1963. Growth and development in Vitro of excised ovaries Am.J.Bot. 33, p.566.
- Nitsch, J.P. 1963a. Fruit development in Recent Advances in Embryology of Angiosperms, (P.Maheshwari ed.) Univ. of Delhi, pp.261-294.
- Nitsch, J.P/. 1951. Growth and development in vitro of excised ovaries Am.J.Bot. 38, pp.566-77.
- Nitsch, J.P. Nitsch.C. 1956. Auxin dependent growth of excised Helianthus tuberosus tissues, Am.J.Bot. 4, pp.839-51.
- Nitsch, J.P. Nitsch C. 1957. Auxin development growth of excised Helianthus tuberosus tissues. II Organic Nitrogenous compounds, Am.J.Bot. 44, pp.555-564.
- Noguchi, M. Matsumoto, T. ^Y Hirata, ^k Yamsamoto, K. Katsuyama, A. Kato A. Azechi, A. and Kato K. 1977. Improvement of growth rates of plant cell cultures. In plant tissue culture and Its biotechnological application (Eds. Barz. W. Reinkard E. and Zenk M.H. Springer Verlag Berlin, pp.85-94
- Oberlin, M.L. 1957. Colchicine and Colchicine, Ann.of Chem.Phyas 50, P.108.

- Ovyang, T.W., Hu, H., Chvang, C.C. and Tseng, C.C. 1973. Induction of pollen protoplasts from anthers of Triticum aestivum L. cultured in vitro Sci. Sinica, 16, pp.79-95.
- Ogino, T., Haraoka, N. and Tabata, M. 1978. Selection of high nicotine producing cell lines of tobacco by single cell cloning phytochemistry, 17, pp.1907-10.
- Okazaki, M., Hino, F., Nagasawa, K. and Miura, Y. 1982a. effect of nutritional factors on formation of scopoletin and Scopolin in tobacco tissue culture Agric. Biol. Chem. 46, pp.601-607.
- Okazaki, M., Hino, F., Nagasawa, K. and Miura, Y. 1982b. Effects of plant hormones on formation of Scopoletin and scopolin in tobacco tissue cultures Agric. Biol. Chem. 45, pp.609-14
- Ou-lee, T.M., Turgeon, R. and Wur. 1986. Expression of foreign gene linked to either a plant virus or a Drosophila promoter after electroporation of protoplast of rice wheat and sorghum. Proceedings of national Acad. Sci. 83 pp.6815-19.
- Ow, D.W., Wood, K.V., Diluca, M., Wet, J.R., Helinski, D.R. and Howell, S.H. 1986. Transient and stable expressions of firefly luciferase gene in plant cells and transgenic plants sci. 234, pp.856-859.
- Palmer, J.E. and Wsdholm, J. 1975. Characterization of carrot and tobacco cell cultures resistant to small pea p-Fluorophenyl alanine plant physiol. 56, pp.233-238.
- Pandit, K.R. and David, S.B. 1991. Growth and morphogenesis in callus culture from sorghum. Biol. Ind. 2, (1,2) pp.5-12
- Pavard, C. 1971. C.F. ed. I.K/Vasil History of plant tissue and cell culture Vol. II acad. press. pp.1-59.

- Percy Lancaster, S and Percy Lancaster A. 1966, Gloriosa Bull
90 I. Mat. Bot. gard. Lucknow p.1123.
- Prabhudesai, V.R. Narayanswamy, 1973. Differentiation of
cytokinin induced shoot buds and embryoids on excised
petioles of Nicotiana
glaberrima. phytomorphology, 23, pp.133-37
- Prat, S. 1957. The toxicity of tissue juice for cells of
tissue Amer. J. Bot. 14, p.121.
- Ramawat, K.G. and Arya N.C. 1979b. Effect of some growth regulators
on Ephedrine production in Ephedra gerardiana callus
culture Indian J. Expt. Biol. 17, pp.227-228.
- Ramawat, K.G. and Arya, H.C. 1979a. Alkaloid content of ephedrin
in vivo and in vitro J. Exp. Biol. 17, pp.105-7.
- Rangan T.S. 1982. Ovary ovule and nucellus culture. In Experi-
mental embryology of vascular plants (B.M. Johri ed.)
Springer Verlag Berlin. N.Y. pp.105-29.
- Rangan, T.S. 1973. Growth and differentiation in tissue culture
of certain Indian millets. In Proc. symp. Control mechanism
in cellular processes, Bhabha Atomic Res. Center
Bombay, pp.253-61.
- Rangaswamy N.S. 1963. Studies on culturing seeds of Orobancha
aegyptiaca pers In Plant tissue organ culture- A symp.
(P. Maheshwari and M. Rangaswamy ed.) Univ. of Delhi, pp.445-54
- Rao P.S. Narayanswamy S. 1972. Morphogenic investigations
in callus cultures Tolypora indica physiol. plantarum
27, pp.271-276.
- Rashid, A. and Street, H.E. 1973. The development of haploid
embryoids from anther cultures of Atropa belladonna
L. Planta, 118, pp.263-70.

- Rekner J. 1973. Aspects of organization organogenesis and embryogenesis in :street H.E.(Ed.Plant tissue and Cell cultureOxford Blackwell pp.338-55.
- Robinson,T. 1981.The biochemistry of alkaloides Springer Verlag Berlin Hiedbeg,New York,pp.42-66.
- Roller U.1978. Selection of plants and plant tissue culture of Catheranthus roseus with high content of serpentine and Ajumulecine in A.W.Alfermann E.Reinhardt.Ed.Production of natural compound by cell culture methods pp.95-208
- Samarjewa. P.K. Dassanayakae M.D. and Jayawardena S.D.G. 1993 Conal propagation of G.superba L. Indian J.Exp.Biol .31,8,pp.719-20.
- Santavy F.1957. Alkaloids, their Colchicum Pflanzen, Pharm Zentrabae DH.96,p.307.
- Santavy,F.1958. Isolation and identification of compunds from some plants related to Colchicum automnale,obs.Bot.Z. 103,p.1-300.
- SastriR.L.N. 1963. In plant tissue and organ culture A symp. Int.Soc.Plant Morphol.New Delhi,pp.105-7.
- Sastria D.C. Nalini,M.S. and Moss,J.P.1982. Tissue culture prospects for improvement of Arachis hypogea and other oil seed crops In Pro.Intl.Symp.on tissue culture and of economically important plants (ed.)Rao,A.N. Costed, Singapore 17, pp.42-57.

- Sharp W.R., Raskin, R.S. and Sommer, H.E. 1971a. Haploidy in Lilium, Phytomorphology, 21 pp.334-36.
- Sharma V.K. and Kothari S.L. 1993. High frequency plant regeneration in tissue cultures of Glycine clandestina A wild relative of soyabean phytomorphology 43, pp.29-33
- Simon, S. 1908. C.F. Gautheret, R.J.N. 1985. History of plant tissue and cell culture a personal account In Vasil, I.K. ed. of plant Vol. II, New York, pp.1-59.
- Skog F. 1955. Growth factors polarity and morphogenesis. Ann. Biol. 31, pp.1-13.
- Skog, F. Miller, C.O. 1957. Chemical regulation of growth and organ formation. Symp. Soc. Exp. Biol. 11, pp.118-131.
- Skog, F. and Miller, C.O. 1957. Chemical regulation of growth and organ formation in plant tissues cultivated in vitro in Biological action of growth substances, 11, symp. Soc. Expt. Biol. 11, pp.118-131.
- Skog, F. and Miller, C. 1948. Chemical control of growth and bud formation in tobacco stem segments and callus cultured invitro Am. J. Bot. 35, pp.782-787.
- Staba, J. 1982, production of useful compounds from plant tissue culture in plant tissue culture (Ed. A. Fujiwara) Tokyo pp.25-30.
- Staba, J. (Ed.) 1980. Plant Tissue culture as a source of Biochem. CRC press Boca Raton.
- Stepan -Sarkissian G. Fowler M.W. 1984. Non autotrophic carbon metabolism in plant cell culture. In carbohydrate metabolism in cultured cells (ed. Morgan M.J.) Plenum Press N.Y.
- Steward, F.C. 1958. Growth and organized development of cultured cells 3, interpretation of the growth from free cells to carrot plant Am. J. Bot. 45 pp. 700-10



Steward, F.C. 1961. $\overset{+}{\underset{\wedge}{\text{Visas}}}$ in $\overset{+}{\underset{\wedge}{\text{plant}}}$ physiology : Problems of organisation, Growth and morphogenesis. Dugg. Memorial Volume. Canad J. Bot. 39, pp. 441-60.

Steward F.C. 1962. Plant tissue and organ culture Nature pp. 22-23

Steward, F.C. Kent, A.E. and Mapes, M.O. 1966. The culture of free plant cells and its significance of embryology and morphogenetics. In Current Topics in Developmental Biology, (A.A. Mosscona and A. Monro, eds). A.P.N.Y. pp. 113-154.

Steward, F.C. Caplin, M. and Millar, F.K. 1952. Investigation on growth and metabolism of plant cells. Ann. Bot. London 16, pp. 57-77.

Steward, F.C. 1961a. Organisation and integration: Some problems of cells, their growth and nutrition. In : Purdue symposium on growth Inc. N.Y. pp. 453-90.

Swain T. 1977. Secondary compounds as protective agent, Annu. Rev. Plant. Physiol. 28, pp. 479-501.

Telle J. and Gautheret R.J. ^{et al.} 1947 ^R History of plant tissue and cell culture a personal account by R.J. Gautheret in cell culture and somatic cell genetics of plants ed. I.K. Vasil A.P. 1985.

Torrey J.C. 1957. Cell division in isolated single plant cells in vitro Pro. Nat. Acad. Sci. U.S.A. 43, pp. 887-91.

Tulecke W.R. 1953. A tissue derived from the pollen of Ginkgo biloba science 117, pp. 599-630.

Ulbrich B. and Arens, H. 1984. Large scale production of rosmarinic acid from plant cell cultures. Proceeding of symp. on primary and $\overset{0}{\underset{\wedge}{\text{secondary}}}$ metabolism of plant cell culture. Gartenbauwissenschaft 49, pp. 1-10.

- Vasil I.K. 1988 Cell culture and somatic cell genetics of plant cells ed. Vol.V.
- Vasil V., Hildebrandt, A.C. 1965b. Differentiation of tobacco plants from single isolated cells in microcultures Science, 150, pp.889-90.
- Watabe, K., Yano, S. and Yamada Y. 1982. The selection of cultured plant cell lines producing high levels of kinetin phytochemistry, 21, pp.513-16.
- White P.R. 1963. The cultivation of animal and plant cells. N.Y. Ronald Press.
- White P.R. 1933b. Plant tissue cultures results of preliminary experiments on the culturing isolated stem tips of Stellaria media Protoplasma Bd. 19, S.97-116.
- White P.R. 1933a. The SH radical and some other sources of sulfur as affecting growth of isolated root tips of wheat seedlings. Protoplasma Bd. 198, pp.131-35.
- White, P.R. 1932. Influence of some environmental conditions on the growth of excised root tips of wheat seedlings in liquid media. Plant physiol. V, pp.613-28.
- White P.R. 1932a. Plant tissue cultures. A preliminary report of results obtained in the culturing of certain plant meristems Arch. Expt. Zelforsch, Bd. 12 S, pp.602-30
- White P.R. 1939. Potentially unlimited growth of excised plant callus in an artificial nutrient. Amer. J. Bot. 26 pp.59-64.

- White, P.R. 1931. Plant tissue culture The History and present status of the problem Arch.expt. Zell for Sch.Bd.,10 pp.501-518.
- Withner C.L.1959. The orchide-A Scientific Survey Ronal Press. New York.
- Withner C.L. 1943. Opule ctiture A new method for starting orchid seedlings Bull.Am.POrcid.Soc.11,pp.261-63.
- Winker, H.1908. C.F. Gautheret,R.J. History of plant tissue and cell culture A personal account. In : Vasil,I.K. ed.Cell culture and somatic cell genetics of plant Vol.II 1985,A.P.N.Y.pp.1-59.
- Yamada,Y. and Hashimoto,T. 1982. Production of tropane alkaloides in cultured cell of Hyocyamus niger plant cell Rep.1, pp.101-103.
- Yamamoto ,Y.Mizuguchi,R. and Yamada Y. 1982. Selection of high and stable pigment producing strain in cultured Euphorbia millii cells.Theor.Appl.Genet 61,pp.113-16
- Yamada,Y. and Sato F.1978,Photoautotrophic culture of chlorophyllous cells.Plant cell Physiol.19,pp.691-99.
- Yamada,Y. and Watamabe ,K. 1980. Selection of high vitamin B-6 producing strains in cultured green cells. Agril. Biol.Chem.44, 2683-87.
- Yamada,T.Shoji,T. and Sinoto,Y.1963.Formation of cell and free cells in a tissue culture of Tradescantia reflex. Bot.Mag.76, pp.332-339.
- Yasvda,T. Hashimoto, T. Sato F. and Yamada Y. 1980. An efficient method of selecting photoautotrophic cwlla from cultured hetrogenous cells.Plant cels physiol. 21, pp.929-32.

- Yeoman M.M. 1985. Medium for Embryo and organ culture in the plant cell culture technology ed.
- Yoshihiko^{kuji} Shin Ichi~~x~~ Ohashi Hiroshi Masuda 1993. Some conditions for formation of carrot somatic embryos. Plant cell physiol. 34, pp. 306
- Zenk, M.H. El. Saghi, H. Arens, H. Stocki Ght. Weller, E.W. and Dens B. 1979. Formation of indole alkaloids serpentine and ajmalicine in cell suspension cultures of Catharanthus roseus. In Plant Tissue culture and its biotech. application ed. W. Barz. E. Reinert and M.H. Zenk Springer Verlag, Berlin Heidelberg and N.Y. pp. 27-43.
- Ziv, M., Halevy, A.H. 1970. Organs and Plantlet regeneration of Gladiolus through tissue culutre Ann. Botany .34, pp. 671-76.

C