

BIBLIOGRAPHY

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- Abawi, G.S. and J.W. Lorbeer 1972. Several aspects of the ecology and pathology of Fusarium oxysporum f. sp. cepae. *Phytopath.* 62: 870-876.
- Agnostakis, S.L. 1974. Haploid plants from anthers of tobacco - enhancement with charcoal. *Planta* 115: 281-283.
- Ahmed, R., S.D. Gupta and R.D. Ghosh 1986. Isolation of L-ethionine resistant cell lines in Vigna sinensis L. after mutagen treatment. *Plant Cell, Tissue and Organ Culture* 7: 135-144.
- Akehurst, B.C. 1981. *Tobacco*. 2nd Ed. Longman, London. pp. 435-436.
- Alexopoulos, C.J. and E.S. Beneke 1955. Laboratory manual for introductory mycology. Burgess Pub. Co., Minneapolis. pp. 3.
- Alon, H., J. Katan and N. Kedar 1974. Factors affecting penetrance of resistance to Fusarium oxysporum f.sp. lycopersici in tomatoes. *Phytopath.* 64: 455-461.

- Anonymous 1983a. Area and production of leaf tobacco world summary. *Tobacco* 5: 12-25
- Anonymous 1983b. All India final estimate of tobacco (1981-1982). *Agric. situation in India* 37: 745-746.
- Anonymous 1984. Salient research findings on tobacco diseases (1953-1983). *Bulletin No. 1 (TR)*, Rajahmundry. pp. 1-3.
- Arnon, D.I. 1949. Copper enzymes in isolated chloroplasts. Polyphenoloxidase in Beta vulgaris. *Plant Physiol.* 24: 1-5.
- Ashworth, L.J.Jr., O.D. McCutcheon and A.G. George 1972. Verticillium albo-atrum: The quantitative relationship between inoculum density and infection of cotton. *Phytopath.* 62: 901-913.
- Atsumi, S. 1980. Induction, selection and isolation of auxin heterotrophic and auxin-resistant mutants from cultured crown gall cells irradiated with gamma rays. *Plant & Cell Physiol.* 21(6): 1041-1051.
- Bajaj Y.P.S. 1981. Production of disease-resistant plants through cell culture - A novel approach. *J. Nuclear Agric. Biol.* 10: 1-5.
- _____, Y.P.S. Paul and S.K. Sharma 1980. Differential tolerance of tissue cultures of pearl-millet to ergot-extract. *Indian J. Exp. Biol.* 18: 429-432.
- _____, and A.W. Saettler 1970. Effect of Halo toxin containing filtrates of Pseudomonas phaseolicola on the growth of bean callus tissue. *Phytopath.* 60: 1065-1067.
- Barash, I., H. Mor, D. Netzer and Y. Kashman 1981. Production of zinniol by Alternaria dauci and its phytotoxic effect on carrot. *Physiol. Plant Pathol.* 19: 7-16.

- Bateman, D.F. and H.C. Basham 1976. Degradation of plant cell walls and membranes by microbial enzymes. In: *Physiological plant pathology* (R. Heitefuss and P.H. Williams eds.). Springer-Verlag, Berlin. 4:316-355.
- Beckman, C.H. 1958. Growth inhibition as a mechanism in Dutch elm disease therapy. *Phytopath.* 48: 172-176.
- _____. W.A. Brun and I.W. Buddenhagen 1962. Water relations in banana plants infected with Pseudomonas solanacearum. *Phytopath.* 52: 1144-1148.
- _____. J.E. Kuntz, A.J. Riker and J.G. Berbee 1953. Host responses associated with the development of oak wilt. *Phytopath.* 43: 448-454.
- 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.
- _____. 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.
- _____. 1980b. Selection of dihaploid potato callus for resistance to the culture filtrate of Fusarium oxysporum. *Z. Pflanzenzucht* 85: 254-258.
- _____. and N. Lonnendonker 1977. Isolation and partial characterization of phytotoxic substances from culture filtrates of the fungus Phytophthora infestans. *Z. Pflanzenphysiol.* 85: 1-28.
- Bell, A.A. and M.E. Mace 1981. Biochemistry and Physiology of resistance. In: *Fungal wilt diseases of plants* (M.M. Mace, A.A. Bell and C.H. Beckman eds.). Acad. Press. New York. pp.431-486.

- Bergeson, G.B., S.D. van Gundy and I.J. Thomas 1970. Effect of Meloidogyne javanica on rhizosphere microflora and Fusarium wilt of tomato. *Phytopath.* 60: 1245-1249.
- Bessey, E.A. 1979. Morphology and taxonomy of fungi. Vikas Pub. House. India. pp.600.
- Bhatt, D.P., P.N. Bhatt and A.R. Mehta 1986. Steroid analysis and plant regeneration from cell suspension cultures of Solanum dulcamara L. *Beitr. Biol. Pflanzen.* 61: 203-213.
- Bhojwani, S.S. and M.K. Razdan 1983. Plant tissue culture: Theory and practice. Elsevier, New York. pp.1-10.
- Blackely, L.W. and F.C. Steward 1964a. Growth and organized development of cultured cells. V. The growth of colonies from free cells on nutrient agar. *Am. J. Bot.* 51: 780-791.
- _____ and _____ 1964b. Growth and organized development of cultured cells. VII. Cellular variation. *Am. J. Bot.* 51: 809-820.
- Booth, C. 1971. The genus Fusarium. Commonwealth Mycological Ins. Kew, Surrey, England. pp.147.
- Bourgin, J.B. and J.B. Nitsch 1967. Obtention de Nicotiana haploids and partir d'etamines cultivees in vitro. *Annu. Physiol. Veg.* 9: 377-382. referred in Flick and Evans, 1983.
- Braun, A.C. and R.B. Pringle 1967. Pathogen factors in the physiology of disease - Toxins and other metabolites. In: Plant pathology - problems and progress 1908-1958. (C.S. Holton, G.W. Fischer, R.W. Fulton, H. Hart and S.E.A. McCallan eds.). Central Book Depot. Allahabad. pp.88-99.

Brettell, R.I.S. and D.S. Ingram 1979. Tissue culture in the production of novel disease resistant crop plants.
Biol. Rev. 54: 329-345.

_____ and E. Thomas 1980. Selection of maize tissue cultures resistant to Drechslera (Helminthosporium maydis T-toxin. In: Tissue culture methods for plant pathologists. Blakwell, Oxford. pp. 233-237.

Brain, P.W. 1958. Outlook on Agriculture 2 : 27-32.
referred in Sadasivan, 1961.

_____ G.W. Elson, H.G. Hemming and J.M. Wright 1952.
The phytotoxic properties of alternaria acid in relation to the etiology of plant diseases caused by Alternaria solani (Ell & Mart.) Jones & Grout. Ann. Appl. Biol. 39: 308-321.

Bright, S.W.J. and D.H. Northcote 1974. Protoplast regeneration from normal and bromodeoxyuridine-resistant sycamore callus. J. Cell Sci. 16: 445-463.

_____ and _____ 1975. A deficiency of Hypoxanthine Phosphoribosyltransferase in a sycamore callus resistant to Azaguanine. Planta 123: 79-89.

Buchenauer, H. and D.C. Erwin 1976. Effect of the plant growth retardant pydanon on Verticillium wilt of cotton and tomato. Phytopath. 66: 1140-1143.

Buddenhagen, I. and A. Kelman 1964. Biological and physiological aspects of bacterial wilt caused by Pseudomonas solanacearum. Annu. Rev. Phytopath 2 : 203-230.

Busch, L.V. and L.V. Edington 1967. Correlation of photoperiod with tuberization and susceptibility of potato to Verticillium albo-atrum. Can J. Bot. 45: 691-693.

Busch, L. V. and H.D. Schooley 1970. Environmental influence on symptom expression in *Verticillium* wilt of Chrysanthemum. Can. J. Bot. 48: 1939-1941.

Butler E.J. 1918. Fungi and diseases in plants. Thacker Spink and Co., Calcutta. referred in Prasad et al., 1957.

Caperton, C.M., R.D. Martyn and J.L. Starr 1986. Effects of Fusarium inoculum density and root-knot nematodes on wilt resistance in summer squash. Plant Dis. 70: 207-209.

Caroselli, N.E. and A.W. Feldman 1951. Dutch-elm disease in young elm seedlings. Phytopath. 41: 46-51.

Carlson, P.S. 1973a. Methionine sulfoximine-resistant mutants of tobacco. Science 180: 1366-1368.

_____ 1973b. The use of protoplasts for genetic research. Pro. Natl. Acad. Sci. (USA) 70: 598-602.

_____ H.H. Smith and R.D. Dearing 1972. Parasexual interspecific plant hybridization. Proc. Natl. Acad. Sci. (USA) 69: 2292-2294.

Chaleff, R.S. and P.S. Carlson 1974. Somatic cell genetics of higher plants. Annu. Rev. Genet. 8: 267-278.

Chamberlain, D.W. and R.L. Bernard 1968. Resistance to brown stem rot in soybeans. Crop Sci. 8 : 728-729.

Cole, R.J., J.W. Kirksey, H.G. Cutler, B.L., Douphnik and J.C. Peckham. 1973. Toxin from F. moniliforme. Effects on plants and animals. Science 179: 1324-1326.

Collins, R.P. and R.P. Scheffer 1958. Respiratory responses and systemic effects in Fusarium infected tomato plants. Phytopath. 48: 349-355.

- Collins, R.P. and R.P. Scheffer 1958. Respiratory responses and systemic effects in Fusarium infected tomato plants. *Phytopath.* 48: 349-355.
- Connell, S.A. 1985. Selection for disease resistance. *Agricell Report* 5(4) : 29.
- Conroy, J.J., R.J. Jr. Green and J.M. Ferris 1972. Interaction of Verticillium albo-atrum and the root lesion nematode, Pratylenchus penetrans, in tomato roots at controlled inoculum densities. *Phytopath.* 62: 362-366.
- Constable, F. 1967. Pigmentbildung in Kalluskulturen aus Beta-Buben. *Naturwissenschaften* 54: 175.
- Crandall, B.S. 1945. A new species of Cephalosporium causing Persimmon wilt. *Mycologia* 37: 495-498.
- D'Alton, A. and B. Etherton 1984. Effects of acid on tomato hair membrane potentials and ATP levels. *Plant Physiol.* 74: 39-42.
- D'Amato, F. 1977. Cytogenetics of differentiation in tissue and cell cultures. In: Applied and fundamental aspects of plant cell tissue and organ culture (J. Reinert and Y.P.S. Bajaj eds.). Springer-Verlag, Berlin, pp. 343-357.
- Das, P.K. and J.M. Widholm 1983. Amino acid analog resistance in the species of soybean and tobacco. In: Plant cell culture in crop improvement (S.K. Sen and K.L. Giles eds.). Plenum Press. pp. 411-417.
- Daub, M.E. 1986. Tissue culture and the selection of resistance to pathogens. *Annu. Rev. Phytopath.* 24: 159-186.
- Davis, D. 1969. Fusaric acid in selective pathogenicity of Fusarium oxysporum. *Phytopath.* 59: 1391-1395.

- Davis, D., A.E. Dimond 1953. Inducing disease resistance with plant growth-regulators. *Phytopath.* 43: 137-140.
- Davis, D.D. 1974. Synthesis of commercial F1 hybrids in cotton. I. Genetic control of vegetative and reproductive vigour in Gossypium hirsutum L. X G. barbadense L. crosses. *Crop Sci.* 14: 745-749.
- Debergh, P.C., Y. Harbaoui and R. Lemeur 1981. Mass propagation of globe artichoke (Cinarascolymus): evaluation of different hypotheses to overcome vitrification with special reference to water potential. *Physiol. Plant.* 53: 181-187.
- Dimond, A.E. 1955. Pathogenesis in the wilt diseases. *Ann. Rev. Plant Physiol.* 6: 329-350.
- _____ 1970. Biophysics and biochemistry of the vascular wilt syndrome. *Annu. Rev. Phytopath.* 8: 301-322.
- _____ and P.E. Waggoner 1953a. On the nature and role of vivotoxins in plant disease. *Phytopath.* 43: 229-235.
- _____ and _____ 1953b. The physiology of lycomarasmin production by Fusarium oxysporum f. lycopersici. Effect of lycomarasmin decomposition upon estimates of its production. *Phytopath.* 43: 195-199.
- Dube, H.C. 1973. Electrolytic changes in blasted rice. *Curr. Sci.* 42: 249-250.
- Duniway, J.M. and R.O. Slatyer 1971. Gas exchange studies on the transpiration and photosynthesis of tomato leaves infected by Fusarium oxysporum f. sp. lycopersici. *phytopath.* 61: 1377-1381.

- Ebells, D.L. 1967. Effect of soil fumigants on Fusarium wilt and nodulation of peas (Pisum sativum L.). Ann. Appl. Biol. 60: 391-398.
- Eichenberger, M.E. 1951. Sur une mutation survenue dans une culture de tissus de carotte. C.R. Acad. Sci. (Paris), 145: 239.
- Emberger, G. and P.E. Nelson 1981. Histopathology of a susceptible Chrysanthemum cultivar infected with Fusarium oxysporum f. sp. chrysanthemi. Phytopath. 71: 1043-1050.
- Engelhard, A.W. and W.H. Bragonier 1957. Dwarf-leaf, a symptom of oak wilt. (Abs.). Phytopath. 47:10.
- Epp, M.E., R. Madrigal and M.S. Moses 1984. Tropical crop applications of tissue culture. Agricell Report 3(1): 4.
- Erwin, D.C., S.D. Tsai and R.A. Khan 1976. Reduction of the severity of Verticillium wilt of cotton by the growth retardant, tributyl (5-chloro-2-thienyl) methyl phosphonium chloride. Phytopath. 66: 106-110.
- Evans, G. and C.D. McKeen 1975. Influence of crops on numbers of microsclerotia of Verticillium dahliae in soils and the development of wilt in South Western Ontario. Can. J. Plant Sci. 55: 827-834.
- Evans, D.A. and W.R. Sharp 1986. Somadonal and Gametoclonal variation. In: Hand-book of Plant cell culture Vol.4. Techniques and Applications C.D.A. Evans, W.R. Sharp and P.V. Ammirato eds.). Macmillan Pub.Co., New York, pp.97-132.

Fassuliotis, G. and D.P. Bhatt 1982. Potential of tissue culture breeding root-knot nematode resistance into vegetables. *J. of Nematol.* 14(1): 10-14.

_____ and G.J. Rau 1969. The relationship of Meloidogyne incognita to the incidence of cabbage yellows. *J. Nematol.* 1: 219-222.

Fenn, P., R.D. Durbin and J.E. Kuntz 1975. Wilt development in red oak seedlings: A new system for studying oak wilt. *Phytopath.* 65: 1381-1386.

Flick, C.E. 1983. Isolation of mutants from cell culture. In: Handbook of plant cell techniques for propagation and breeding (D.A. Evans, W.R. Sharp, P.V. Ammirato and Y.Y. Yamada eds.). Macmillan Pub. Co. 1: 393-441.

Foster, R.E. 1946. The first symptom of tomato Fusarium wilt, clearing of the ultimate veinlets in the leaf. *Phytopath.* 36: 691-694.

Gäumann, E. 1951. Some problems in pathological wilting of plants. *Advanc. Enzymol.* 2: 401-437.

_____ 1957. Fusaric acid as a wilt toxin. *Phytopath.* 47: 342-357.

_____ 1958. The mechanism of fusaric acid injury. *Phytopath.* 48: 670-686.

_____ St. Naef-Roth and H. Kobel 1952. Über Fusarininsaure, ein zweites Welketoxin des Fusarium lycopersici Sacc. *Phytopath. Z.* 20: 1-3 . referred in Kuo and Scheffer, 1964.

Gautheret, R. J. 1939. Sur la possibilite de realiser la culture indefinite des tissus de tubercules de carotte. C.R. Acad. Sci. (Paris) 208: 118-120. referred in Bhojwani and Razdan, 1983.

Gebhardt, C., V. Schnebli and P.J. King 1981. Isolation of biochemical mutants using haploid mesophyll protoplasts of Hyocymus muticus. II. Auxotrophic and temperature sensitive clones. Planta 153: 81-89.

Gengenbach, B.C. and C.E. Green 1975. Selection of T-cytoplasm maize callus cultures resistant to Helminthosporium maydis race to T-pathotoxin. Crop Sci. 15: 645-649.

_____ and C.M. Donovan 1977. Inheritance of selected pathotoxin resistance in maize plants regenerated from cell cultures. Proc. Natl Acad. Sci. (USA). 74: 5114-5117.

_____ J.A. Connelly, D.R. Pring and M.F. Conde 1981. Mitochondrial DNA variation in maize plants regenerated during tissue culture selection. Theor. Appl. Genet. 59: 161-167.

Gilman, J.C. 1967. A manual of Soil Fungi. Oxford & IBH Pub. Co. Calcutta, India. pp. 369.

Gonzales, R.A., P.K. Das and J.M. Widholm 1984. Characterization of cultured tobacco cell lines resistant to ethio-nine analogs. Plant Physiol. 74: 640-644.

_____ and J.M. Widholm 1985. Selection of plant cell for desirable characteristics: Inhibitor resistance. In: Plant cell culture - A practical approach (R.A. Dixon ed.) IRL Press. Oxford-Washington Dc. pp. 67-78.

Green, R.J. Jr. 1981. An overview. In: Fungal wilt diseases of plants (M.E. Mace, A.A. Bell and C.H. Beckman eds.). Acad. Press, New York. pp.1-24.

Griffin G.D. 1986. The importance of nematode resistance on the interaction of Meloidogyne hapla and Fusarium oxysporum on alfalfa. *Phytopath.* 76: 843.

Grout, B.W.W. and M.A. Weatherhead 1980. A strategy for the production of disease-resistant mutants. In: Tissue culture methods for plant pathologists (D.S. Ingram and J.P. Helgeson eds.). Blackwell Scientific Pub. Oxford. pp. 249-254.

Guha, S. and S.C. Maheswari 1964. In vitro production of embryos from anthers of Datura. *Nature* 204: 497.

Guy, S.O. and R. Baker 1977. Inoculum potential in relation to biological control of Fusarium wilt of peas. *Phytopath.* 67: 72-78.

Hall, W.C. 1951. Studies on the origin of ethylene from plant tissues. *Bot. Gaz.* 113: 55-65.

_____. 1952. Evidence on the auxin-ethylene balance hypothesis of foliar abscission. *Bot. Gaz.* 113: 310-322.

Handa, A.K., R.A. Bressan, M.L. Park and P.M. Hasegawa 1982. Use of plant cell cultures to study production and phytotoxicity of *Alternaria solani* toxin(s). *Physiol. Plant Path.* 21: 295-309.

Harborne, J.B. 1983. Toxins of plant-fungal interactions. In: Handbook of natural toxins. Vol.1. Plant and Fungal toxins (R.F. Keeler and A.T. Tu eds.). Marcel Dekker, Inc., New York. pp. 743-782.

Hammerschlag, F.A. 1986. In vitro selection of peach cells for insensitivity to a toxin produced by Xanthomonas campestris. In: Proc. VI Intl. Cong. of Plant Tissue and Cell culture (D.A. Sommers, B.G. Gengenbach, D.D. Biesboer, W.P. Hackett and C.E. Grceii, eds.). Univ. of Minnesota. pp.74.

Harling, R. and G.S. Taylor 1985. A light microscope study of resistant and susceptible carnations infected with Fusarium oxysporum f. sp. dianthi, Can. J. Bot. 63: 638-646.

Harris, H.A. 1940. Comparative wilt induction by Erwinia tracheiphila and Phytononas stewarti. Phytopath. 30:

Hartman, C.L., T.R. Knows and T.S. McCoy 1984a. Field testing and preliminary progeny evaluation of alfalfa regenerated from cell lines resistant to the toxins produced by Fusarium oxysporum f. sp. medicaginis. Phytopath. 74: 818.

_____. T.J. McCoy and T.R. Knows 1984b. 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.

Hayes, A.W. and R.D. Hood 1974. Mycotoxin induced developmental abnormalities. In: Proc. Western hemisphere nutrition cong. IV, (P.L. White and N. Selvey eds.). Publishing Sciences Group. Action, Mass., pp.397-402.

Hays, W.L. 1981. Statistics. Holt, Rinehar and Winston. Hot-Saunders Tapan, Ltd., pp.652.

Helgeson, J.P. 1983. Introduction. In: Use of Tissue Culture and Protoplasts in Plant Pathology (J.P. Helgeson and B.J. Deverall eds.). Acad. Press. pp.1-9.

Helgeson, J.P., G.T. Haberlach and C.D. Upper 1976. A dominant gene conferring disease resistance to tobacco plants is expressed in tissue culture. *Phytopath.* 66: 91-96.

_____. J.D. Kemp, G.T. Haberlach and D.P. Maxwell 1972. A tissue culture system for studying disease resistance: The black shank disease in tobacco callus cultures. *Phytopath.* 62: 1439-1443.

Heinz, D.J., M. Krishnamurthy, L.G. Nickell and A. Merctzk 1977. Cell, tissue and organ culture in sugarcane improvement. In: Applied fundamental aspects of plant cell, tissue and organ culture (J. Reinert and Y.P.S. Bajaj eds.). Springer-Verlag, New York. pp. 3-17.

Hendrix, F.F. and L.E. Nielson 1958. Invasion and infection of crops other than *forma suspect* by Fusarium oxysporum f. batatas. *Phytopath.* 48: 224-228.

Hood, R.D. and G.M. Szchech 1983. Teratogenicity of fungal toxins and fungal produced antimicrobial agents. In: Handbook of natural toxins Vol.1. Plant and fungal toxins (R.F. Keeler and A.T. Tu eds.). Marcel Dekker, Inc., New York. pp. 201-235.

Hooker, H.A.I., D.R. Smith, S.M. Lim and J.B. Beckett 1970. Reaction of corn seedlings with male sterile cytoplasm to Helminthosporium maydis. *Plant Dis. Rep.* 54: 708-712.

Howell, C.R., A.A. Bell and R.D. Stipanovic 1976. Effect of aging on flavonoid content and resistance of cotton leaves to *Verticillium* wilt. *Physiol. Plant Pathol.* 8: 181-188.

Illig, R.D. and A.N. Dallacqua 1986. In vitro selection for resistance to culture filtrate of Phytophthora infestans in tomato. In: Proc. VI Intl. Cong. of plant Tissue & Cell Culture (D.A. Sommers, B.G. Genenbach, D.D. Biesboer, W.P. Hackett and C.E. Crellin eds.). Univ. of Minnesota, pp. 376.

Ingram, D.S. and N.F. Robertson 1965. Interaction between Phytophthora infestans and tissue cultures of Solanum tuberosum. J. Gen. Microbiol. 40: 431-437.

Isaac, I. 1967. Speciation in Verticillium. Annu. Rev. Phytopath. 5: 201-222.

Jenkins, W.A. 1948. Root rot disease complex of tobacco in virginia l. Brown root-rot. Phytopath. 38: 528-541.

Johnston, A. and C. Booth 1983. Plant pathologists pocket book. Commonwealth Mycological Ins. Kew Surrey Eng. pp.397.

Johnson, A.W. and R.H. Littrell 1969. Effect of Meloidogyne incognita, M. hapla and M. javanica on the severity of Fusarium wilt of Chrysanthemum. J. Nematol. 1: 122-125.

Kalyanasundaram, R.J. 1954. Soil conditions and root diseases XIII. Symptomatology of Fusarium Wilt. J. Indian Bot. Soc. 33: 329-337.

_____ and C.S. Venkata Ram 1956. Production and systemic translocation of fusaric acid in Fusarium infected cotton plants. J. Indian Bot. 35: 7-10.

Kamat, M.N. 1953. Inoculation experiments. In: Practical Plant Pathol. Prakash Pub. House, India. pp. 17-19.

Kannaiyan, J., Y.L. Nene, M.V. Reddy, J.G. Ryan and T.N. Raju 1984. Tropical pest management 30: 62-71.

Kappelman, A.J.Jr. 1975. Correlation of Fusarium wilt of cotton in the field and greenhouse. Corp. Sci. 15: 270-272.

- Kern, H. 1972. Phytotoxins produced by Fusaria. In: Phytotoxins in plant diseases (R.K.S. Wood, A. Ballio and A. Graniti eds.). Academic Press, New York. pp. 35-48.
- ____ and S. Naef-Roth 1967. Zwei neue, durch Marteilla Fusarien gebildete naphthazarin-derivate. Phytopath. Z. 60: 316-324. referred in Kern, 1972.
- ____ and H. Item 1970. Pervasitogene naphthazarin derivate als Hemmstoffe der Decarboxylierung von α -kelocarbonsäuren. Phytopath. Z. 67: 1-14. referred in Kern, 1972.
- Kevers, C., M. Caumans, M.F. Commans-Gilles and T. Gaspar 1984. Physiological and biochemical events leading to vitrification of plants cultured in vitro. Physiol. Plant. 61: 69-74.
- King, J., R.B. Horsch and A.D. Savage 1980. Partial characterization of two stable auxotrophic cell strains of Datura innoxia Mill., Planta 149: 480-484.
- ____ and V. Khanna 1980. A nitrate reductase-less variant isolated from suspension cultures of Datura innoxia (Mill.). Plant Physiol. 66: 632-636.
- Koruge, 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.). Academic Press, New York Vol. III. pp. 85-116.
- Krishnamurthy, M. and J. Tlaskal 1974. Fiji disease resistant Saccharum officinarum var. cindar sub-clones from tissue culture. Proc. Intl. Soc. Sugarcane Tech. 15: 130-137.

Kucherenko, L.A. 1985. In vitro selection for stress factors resistance. In: Plant cell culture (R.G. Butenko ed.). Mir Pub, Moscow. pp. 125-141.

Kuo, M.S. and R.P. Scheffer 1964. Evaluation of fusaric acid as a factor in development of *Fusarium* wilt. *Phytopath.* 54: 1041-1044.

Lakshmanarayanan, K. and D. Subramanian 1955. Is fusaric acid a vivotoxin? *Nature* 176: 697-698.

Langcake, P. and R.B. Drysdale 1975. The role of pectic enzyme production in the resistance of tomato to *Fusarium oxysporum* f. sp. *lycoersici*. *Physiol. Plant Pathol.* 6: 247-258.

Larkin, P.J., and W.R. Scowcroft 1981a. Eye spot disease of sugarcane. Induction of host specific toxin and its interaction with leaf cells. *Plant Physiol.* 67: 408.

_____ and _____ 1981b. Somaclonal variation - a novel source of variability from cell cultures for plant improvement. *Theor. Appl. Genet.* 60: 197-214.

Lebrun, L., K Rajasekaran and M.G. Mullins 1985. Selection in vitro for NaCL-tolerance in *Vitis rupestris* Scheele. *Ann. Bot.* 56: 733-739.

Leshem, B. 1983. Growth of carnation meristems in vitro. Anatomical structure of abnormal plantlets and the effect of agar concentration in the medium on their formation. *Ann. Bot.* 52: 413-415.

Linford, M.B. 1928. A Fusarium wilt of peas in Wisconsin. Wis. Agr. Exp. Sta. Res. Bull. pp. 85.

Ling, D.H., P. Vidhyasekaran, E.S. Borromeo, F.J. Zapata and T.W. Mew 1985. In vitro screening of rice germplasm for resistance to brown spot disease using phytotoxin. Theor. Appl. Genet. 71: 133-135.

Littlefield, J.W. 1964. Selection of hybrids from matings of fibroblasts in vitro and their presumed recombinants. Science 145: 709-710.

Liu, M.C. 1981. In vitro methods applied to sugarcane improvement. In: Plant tissue culture. Methods and applications in agriculture (T.A. Thorpe ed.). Acad. Press, New York. pp. 299-323.

Lucas, G.B. 1965. Diseases of Tobacco. The Scarecrow Press. Inc. New York. pp. 273-290.

_____. 1975. Diseases of Tobacco. Biological Consulting Associates, Raleigh, N. Carolina. pp. 621.

Luke, H.H. and H.E. Wheeler 1955. Toxin production by Helminthosporium vitroriae. Phytopath. 45: 453-458.

Mace, M.E., A.A. Bell and C.H. Beckman 1981. Fungal wilt diseases of plants. Acad. Press, New York.

- Madhosinh, C. 1980. Isozymes in isolates of Fusarium oxysporum causing spinach diseases. *Phytopath. Z.* 87: 56-67.
- Main, C.E. 1964. Studies on bacterial wilt of cucumber. *Diss. Abstr.* 25: 2158.
- Maliga, P. 1978. Resistance mutants and their use in genetic manipulation. In: *Frontiers of plant tissue culture*. Proc. 4th Intl. Cong. IAPTC, Canada (T.A. Thorpe ed.). pp. 381-392.
- _____. A.S. Breznovits and L. Marton 1973. Streptomycin-resistant plants from callus culture of haploid tobacco. *Nature* 244: 29-30.
- Malmberg, R.L. and J. McIndoo 1984. Ultraviolet mutagenesis and genetic analysis of resistance to methylglyoxal-bis(guanyl hydrozone) in tobacco. *Mol. Gen. Genet.* 196: 28-34.
- Matern, U., G. Strobel and J. Shepard 1978. Reactions to phytotoxins in a potato population derived from mesophyll protoplasts. *Proc. Natl. Acad. Sci. (USA)*. 75: 4935-4939.
- Mathrani, D.I., N.A. Elias and B.S. Khadam 1951. Chitri disease of tobacco in Gujarat. *Indian Tobacco I.* pp. 148-153.
- McDonald, J.D., L.D. Leach and J.R. McFarlane 1976. Susceptibility of sugarbeet lines to the stalk blight pathogen Fusarium oxysporum f. sp. betae. *Plant Dis. Rep.* 60: 192-196.

Meehan, F., and H.C. Murphy 1947. Differential phytotoxicity of metabolic by-products of Helminthosporium victoriae. Science 106: 270-271.

Melhus, I.E., J.H. Muncie and W.T.H. Wo 1924. Measuring water flow meterference in certain gall and vascular diseases. Phytopath. 14: 590.

Meloan, C.E. and Y. Pomeranz 1980. Food analysis-Laboratory experiments. The AU Pub. Co. INC., Westport, Connecticut. pp. 142-144.

Miah, A.J. 1987. Development of improved and salt tolerant rice varieties through tissue culture techniques. In: Proc. 2nd Annu. Conf. Plant Biotech. Network (IPBNet), Thailand. Abs. No. 34.

Misaghi, I.J. 1982. Physiology and biochemistry of plant-pathogen interaction. Plenum Press, New York. pp. 35-61.

Muller, A.J. and R.Grafe 1978. Isolation and characterization of cell lines of Nicotiana tabacum lacking nitrate reductase. Mol. Gen. Genet. 161: 67-76.

Mori, K. 1977. Localization of viruses in apical meristems and production of virus-free plants by means of meristems and tissue culture. Acta. Hort. 78: 389-396.

Murashige, T. and F. Skoog 1962. A revised medium for rapid growth and bioassays with tobacco tissue cultures. Physiol. Plant. 15: 473-497.

- Nabors, M.W., S.K. Gibbs, C.S. Bernstein and M.E. Meis 1980.
NaCl-tolerant tobacco plants from cultured cells. Z. Pflanzenphysiol. 97: 13-17.
- Nagata, T. and I. Takebe 1971. Plating of isolated tobacco mesophyll protoplasts on agar medium. Planta 99: 12-20.
- Nene, Y.L. and J. Kannaiyan 1982. Screening pigeonpea for resistance to Fusarium wilt. Plant Dis. 66: 306-307.
- Newhall, A.G. 1958. The incidence of Panama disease of banana in the presence of the root-knot and the burrowing nematodes (Meloidogyne and Rudolphus). Plant Dis. Rep. 42: 853-856.
- Nielson, E., F. Rollo, B. Barisi, R. Cella and F. Sala 1979. Genetic markers in cultured plant cells: Differential sensitivities to amethopterin, azetidin-2-carboxylic acid and hydroxyurea. Plant Sci. Lett. 15: 113-125.
- Nishi, A., A. Yoshida, M. Mori and N. Sugano 1974. Isolation of variant carrot cell lines altered pigmentation. Phytochem. 13: 1653-1656.
- Nitch, J.P. 1969. Experimental androgensis in Nicotiana. Phytomorph. 19: 389-404.
- Nobecourt, P. 1939. Sur la perenite laugmentation de volume des culture de tussus vegetaux. C.R. Seances Soc. Biol. 130: 1270-1271 referred in Helgeson, 1983.
- Ohyama, K. 1974. Properties of 5-bromodeoxyuridine-resistant lines of higher plant cells in liquid culture. Exp. Cell Res. 89: 31-38.

- Page, O.T. 1959. Fusaric acid in banana plants infected with Fusarium oxysporum f. cubense. Phytopath. 49: 230.
- Pandey, R. and P.S. Ganapathy 1984. Isolation of sodium chloride to tolerant callus line of Cicer arietinum L. Cv. BG-203. Plant Cell Rep. 3: 45-47.
- Parke, D. and P.S. Carlson 1979. Somatic cell genetics of higher plants: Appraising the application of bacterial systems to higher plant cells cultured in vitro. In: Physiological Genetics (J.J. Scandalios ed.). Acad. Press, New York pp. 195-236.
- Patel, M.S. 1960. Indian tobacco- a monograph. Pub. by Indian Central Tobacco Committee. Madras.
- Pegg, G.F. 1976. The response of ethylene treated tomato plants to infection by Verticillium albo-atrum. Physiol. Plant Path. 9: 215-226.
- _____. 1981. Biochemistry and physiology of pathogenesis. In: Fungal wilt diseases of plants (M.E. Mace, A.A. Bell and C.H. Beckman eds.). Acad. Press, New York. pp. 193-253.
- Pelcher, L.E., K.N. Kao, O.L. Gamborg, O.C. Yodder and V.E. Gracen 1975. Effects of Helminthosporium maydis race T toxin on protoplasts of resistant and susceptible corn (Zea mays). Can. J. Bot. 53: 427-431.
- Pennypacker, B.W. and P.E. Nelson 1972. Histopathology of carnation infected with Fusarium oxysporum f. sp. dianthi. Phytopath. 62: 1318-1326.

Pereau-Leroy, P. 1958. Le'Palmier Rattier an Maroc'. Institut Franscais de Recherches Fruitieres d'Outre-Mer, Mission an Maroc, (Paris). referred in Wilhelm, 1981.

Pierson C.F., S.S. Gothoskar, J.C.Walker and M.A. Stahmann 1955. Histological studies on the role of pectic enzymes in the development of Fusarium wilt symptoms in tomato. Phytopath. 45: 524-529.

Plattner Pl. A. and N. Clauson-Kass 1945. Über ein Welke erzeugendes Stoffwechselprodukt von Fusarium lycopersici. Sacc. Helv. Chim. Acta. 28: 188-195. referred in Braun and Pringle, 1967.

Prasad, N. and I.M. Patel 1952. Chitri disease of tobacco in Gujarat. Curr. Sci. 21: 18.

_____. _____ and H.M. Shah 1957. Chitri disease of tobacco in Gujarat I. Nature of disease. Indian Tobacco. 7(4): 243-258.

Pringle, R.B. and R.P. Scheffer 1964. Host specific plant toxins. Annu. Rev. Phytopath. 2: 133-156.

Quak, F. 1977. Meristem culture and virus-free plants. In: plant cell, tissue and organ culture (J. Reinert and Y.P.S. Bajaj eds.). Springer-Verlag, Berlin. pp. 598-615.

Quang, B.Do. 1987. Plant regeneration from anther callus of rice under salt stress condition. In: Proc. II Annu. Conf. of the Intl. Plant Biotech. Network (IPBNet), Thailand. Abs. No. 40.

Raade, R.D. and S. Wilhelm 1958. Verticillium wilt of garden stock (Mathiola incana). *Phytopath.* 48: 610-613.

Ramnath, E., S.K. Ghose, S. Sen and S.K. Sen. 1983. Selection of anther derived resistant cell lines of Solanum khasianum to culture filtrate of Fusarium species. In: Plant cell culture in crop improvement (S.K. Sen and K.L. Giles eds.). Plenum Press, New York. pp. 397-403.

Ranch, J.P. and J.M. Widholm 1983. Expression of 5-methyl-tryptophan resistance in regenerated Datura innoxia plants. In: Plant cell culture in crop improvement (S.K. Sen and K.L. Giles eds.). Plenum Press, New York. pp. 381-385.

Rao, D.Ch.R. and Y.V. Suryanarayana 1986. Indian tobacco literature 1900-1983. Central Tobacco Research Ins. Rajahmundry, India.

Rauscher, K.J., D.T. Lester and E.B. Smalley 1974. Response of elm species and clones to inoculation with Verticillium albo-atrum. *Phytopath.* 64: 702-705.

Rawal, S.K. 1979. Some physiological aspects of growth and haploid tobacco tissues grown in culture. Ph.D. Thesis. The Maharaja Sayajirao University of Baroda, Baroda, India.

Redei, G.P. 1982. Genetics. Macmillan Pub. Co. Inc., New York. pp. 620-622.

Reinert, J. and Y.P.S. Bajaj 1977. Anther culture. Haploid production and its significance. In: Applied and fundamental aspects of plant cell, tissue and organ culture (J. Reinert and Y.P.S. Bajaj eds.). Springer-Verlag, Berlin. pp. 251-267.

____ and E. Heberle 1975. Induction of haploid tobacco plants from isolated pollen. *Protoplasma* 84: 191-196.

- Robb, J., J.D. Brisson, L. Busch and B.C. Lu 1978. Ultra-structure of wilt syndrome caused by Verticillium dahliae. V. Attempted localization of phenolic compounds in the vascular region. *Can. J. Bot.* 56: 2594-2612.
- _____. L. Busch and B.C. Lu 1975. Ultrastructure of wilt syndrome caused by Verticillium dahliae. I. In chrysanthemum leaves. *Can. J. Bot.* 53: 901-913.
- Roberts, D.D. and J.M. Kraft 1971. A rapid technique for studying Fusarium wilt of peas. *Phytopath. Z.* 61: 342-343.
- Russel, S. 1975. Characteristic of Verticillium albo-atrum cellulase. *Phytopath. Z.* 84(3): 222-232.
- Sacristan, M.D. 1982. Resistance responses to Phoma lingam of plants regenerated from selected cell and embryogenic cultures of haploid Brassica napus. *Theor. Appl. Genet.* 61: 193-200.
- _____. and F. Hoffman 1979. Direct infection of embryo-genetic tissue cultures of haploid Brassica napus with resting spores of Plasmodiophora brassicae. *Theor. Appl. Genet.* 54: 129-132.
- Sadasivan, T.S. 1961. Physiology of wilt disease. *Annu. Rev. Plant Physiol.* 12: 449-468.
- Salgado-Garciglia, R., F. Lopez-Gutierrez and N. Ochoa-Alejo 1985. NaCl-resistant variant cells isolated from sweet potato cell suspensions. *Plant Cell, Tissue and Organ Culture.* 5: 3-12.
- Samaddar, K.R. and R.P. Scheffer 1968. Effect of the specific toxin in Helminthosporium victoriae on host cell membranes. *Plant Physiol.* 43: 21-28.

Saraswathi Devi, L.S. 1964. Host-parasite relations in plant wilt. Indian Phytopath. Bull. 2: 35-50.

Savage, A.D., J. King and O.L. Gamoorg 1979. Recovery of a pantothenate auxotroph from a cell suspension culture of Datura innoxia Mill., Plant Sci. Lett. 16: 367-376.

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.

_____ and R.J. Stipes 1967. The effect of inoculum spore concentration on the development of foliar symptoms of dutch elm disease. Phytopath. 57: 1269.

Scott, A.I., H. Mizukami and S.L. Lee 1979. Characterization of a 5-methyltryptophan resistant strain of Catharanthus roseus cultured cells. Phytochem. 18: 795-798.

Selman, I.W. and W.R. Buckley 1959. Factors affecting the invasion of tomato roots by Verticillium albo-atrum Trans. Br. Mycol. Soc. 42: 227-234.

_____ and G.R. Pegg 1957. An analysis of the growth response of young tomato plants to infection by Verticillium albo-atrum. Ann. Appl. Biol. 45: 674-681.

Shahin, E.A. and R. Spivey 1986. A single dominant gene for Fusarium wilt resistance in protoplast-derived tomato plants. Theor. Appl. Genet. 73: 164-169.

Shepherd, S.L.K. and M.R. Sohndal 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 & Cell culture (D.A. Sommers, B.G. Gengenbach, D.D. Biesboer, W.P. Hackett and C.E. Grön, eds.). Univ. of Minnesota. pp.211.

- Sidorov, V., L. Menczel and P. Maliga 1981. Isoleucine-requiring Nicotiana plant deficient in theonine deaminase. Nature 294: 87-88.
- Smith, R.S. 1967. Verticildiella root disease of pines. Phytopath. 57: 935-938.
- ____ and W.C. Snyder 1975. Persistence of Fusarium oxysporum f. sp. vasinfectum in fields in the absence of cotton. Phytopath. 65: 190-196.
- Snyder, W.C. and H.N. Hansen 1940. Species concept in Fusarium. Am. J. Bot. 27: 64-67.
- Smalley, E.B. 1962. Prevention of dutch elm disease by treatments with 2,3,6-Trichlorophenyl acetic acid. Phytopath. 52: 1090-1091.
- Springer, J.P., J. Clardy, R.J. Cole, J.W. Kirksey, R.K. Hill, R.M. Carlson and J.L. Isidor 1974. Structure and synthesis of moniliformin, a novel cyclobutane microbial toxin. J. Am. Chem. Soc. 96(7): 2267-2268.
- Steele, J.A., T.F. Uchytil and R.D. Durbin 1978. The stimulation of coupling factor 1 ATPase by tentoxin. Biochem. Biophys. Acta. 504: 136-141.
- ____ P. Bhatnagar and D.H. Rich 1976. Chloroplast coupling factor 1. A species specific receptor for tentoxin. Proc. Natl. Acad. Sci. (USA). 73: 2245-2248.
- Strauss, A., F. Bucher and P.J. King 1981. Isolation of biochemical mutants using haploid mesophyll protoplasts of Hyocyanus muticus L. A NO_3^- non-utilizing clone. Planta 153: 73-80.

- Strauss, A., C. Gebhardt and P.J. King 1980. Methods for selection of drug-resistant plant cell cultures. In: *Tissue culture methods for plant pathologists* (D.S. Ingram and J.P. Helgeson eds). Blackwell Scientific Pub., Oxford. pp.239-248.
- Street H.E. 1973. Single-cell clones. In: *Plant tissue and cell culture*. (H.E. Street ed.). Oxford. Blackwell Sci. Pub.. pp.191-204.
- Stuchling, B.A. and P.E. Nelson 1981. Anatomy of a tolerant Chrysanthemum cultivar infected with Fusarium oxysporum f. sp. chrysanthemi. *Phytopath.* 71: 1162-1168.
- Sunderland, N., G.B. Collins and J.M. Dunwell 1974. The role of nuclear fusion in pollen embryogenesis of Datura innoxia. *Mill. Planta* 117: 227-241.
- Tachibana, H. 1971. Virulence of Cephalosporium gregatum and Verticillium dahliae in soybeans. *Phytopath.* 61: 565-568.
- Talboys, P.W. 1958. Association of tylosis and hyperplasia of the xylem with vascular invasion of the hop by Verticillium albo-atrum. *Trans. Br. Mycol. Soc.* 41: 249-260.
- _____ 1970. Water deficits in vascular disease. In: *Water deficits and plant growth* (Kozlowski ed.). Vo.II.
- Thomas, C.A. 1949. A wilt-inducing polysaccharide from Fusarium solani. *Phytopath.* 39: 572-579.
- Threlfall, R.J. 1959. Physiological studies on the Verticillium wilt disease of tomato. *Ann. Appl. Biol.* 47: 57-77.
- Townsend, A.M. 1971. Relative resistance of diploid Ulmus species to Ceratocystis ulmi. *Plant Dis. Rep.* 55: 980-982.

- Trione, E.J. 1960. Extracellular enzyme and toxin production by Fusarium oxysporum f. lini. Phytopath. 50: 480-482.
- Umiel, N. 1979. Streptomycin resistance in tobacco. III. A test on germinating seedling indicates cytoplasmic inheritance in the St-R701 mutant. Z. Pflanzenphysiol. 92: 295-301.
- _____ and R. Goldner 1976. Effects of streptomycin on diploid tobacco callus cultures and the isolation of resistant mutants. Protoplasma 89: 83-89.
- Vakili, N.G. 1965. Fusarium wilt resistance in seedlings and mature plants of Musa spp. Phytopath. 55: 135-140.
- Valleau, W.D. 1952. Breeding tobacco for disease resistance Econ. Bot. 6: 69-102.
- van Arsdal, E.P. 1972. Some cankers on Oaks in Texas. Plant Dis. Rep. 56: 300-304.
- van Harten, A.M., and C. Broertjes 1981. In vitro adventitious bud techniques for vegetative propagation and mutation breeding of potato (Solanum tuberosum L.). II. Significance for mutation breeding. Euphytica 30: 1-8.
- Vasil, I.K. and A.C. Hildebrandt 1965. Differentiation of tobacco plants from single isolated cells in micro cultures Science 150: 889-892.
- Venn, K.O., V.M.G. Nair and J.E. Kuntz 1968. Effect of TCPA on oak sapwood formation and the incidence and development of oak wilt. Phytopath. 58: 1071.
- Verrall, A.E. and C. May 1937. A new species of Dothiorella causing Die-back of elm. Mycologia 29: 321-324.
- Vieitez, A.M., A. Ballester, M.C. San-Jose and E. Vieitez 1985. Anatomical and chemical studies of vitrified shoots of chestnut regenerated in vitro. Physiol. Plant. 65: 177-184.

- Walkey, D.G.A. 1968. The production of virus-free Rhubarb by apical tip-culture. *J. Hort. Sci.* 43: 283-287.
- _____. 1978. In vitro methods for virus elimination. Proc. 4th Intl. Cong. Plant Tissue and Cell Culture, Univ. Calgary. (T.A. Thorpe ed.). pp. 245-254.
- _____. 1980. Production of virus-free plants. *Acta Horticul.* 88: 23-31.
- _____. V.C. Cooper and P. Crisp 1974. The production of virus-free cauliflowers by tissue culture. *J. Hort., Sci.* 49: 273-275.
- Warren, R.S., L.M. Baird and A.K. Thompson 1985. Salt tolerance in cultured cells of Spartina pectinata. *Plant Cell Reports.* 4: 84-87.
- _____. and D.G. Rourley 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.
- Wellman, F.L., 1941. Epinasty of tomato, one of the earliest symptoms of Fusarium wilt. *Phytopath.* 31: 281-283.
- Wenzel, G. 1985. Strategies in unconventional breeding for disease resistance. *Annu. Rev. Phytopath.* 23: 149-172.
- Wheeler, H. 1975. Plant pathogenesis, Springer-Verlag Berlin and New York. referred in Misaghi, 1982.
- _____. and H.S. Black 1963. Effects of Helminthosporium victoriae and victorin upon permeability. *Am. J. Bot.* 50: 686-693.
- _____. and H.H. Luke 1963. Microbial toxins in plant disease. *Annu. Rev. Microbiol.* 17: 223-242.

- White, P.R. 1939. Potentially unlimited growth of excised plant callus in an artificial nuteient. Am. J. Bot. 26: 59-64.
- _____. 1963. The cultivation of animal and plant cells. Ronald Press, New York.
- Widholm, J.M. 1972a. Anthranilate synthetase from 5-methyltryptophan susceptible and resistant cultures of Daucus carota cells. Biochem. Biophys. Acta. 279: 48-57.
- _____. 1972b. Cultured Nicotiana tabacum cells with an altered anthranilate synthetase which is less sensitive to feedback inhibition. Biochem. Biophys. Acta. 261: 52-58.
- _____. 1974. Cultured carrot cell mutants - 5-methyl tryptophan resistant trait carried from cell to plant and back. Plant Sci. Lett. 3: 323-330.
- _____. 1977a. Relation between auxin autotrophy and tryptophan accumulation in cultured plant cells. Planta 84: 103-108.
- _____. 1977b. Selection and characterization of amino acid analogue resistant plant cell cultures. Crop. Sci. 17: 597-600.
- _____. 1978. Selection and characterization of a Daucus carota L. cell line resistant to four amino acid analogues. J. Exp. Bot. 29(122) : 1111-1116.
- _____. 1983. Isolation and characterization of mutant plant cell cultures. In: Plant cell culture in crop improvement (S.K. Sen and K.L. Giles eds.). Plenum Press, New York. pp. 71-87.
- Wilhelm, S. 1981. Sources and Genetics of Host Resistance in field and fruit crops. In: Fungal wilt disease of plants (M.E. Mace, A.A. Bell and C.H. Beckman eds.). Academic Press, New York. pp. 299-376.

Wilhelm, S. and J.B. Taylor 1965. Control of Verticillium wilt of olive through recovery and resistance. *Phytopath.* 55: 310-316.

Wolf, F.T. and F.A. Wolf 1948. A toxic metabolic product of Fusarium oxysporum var. nicotianae in relation to a wilting of tobacco plants. *Phytopath.* 38(4): 292-298.

Wood, R.K.S. 1967. *Physiological plant pathology.* Blackwell Scientific, Oxford. pp. 154-227.

Woolley, D.W. 1946. Strepogenin activity of seryl glycyl glutamic acid. *J. Biol. Chem.* 166: 783-784.

_____ 1948. Studies on the structure of Lycomarasmin. *J. Biol. Chem.* 176: 1291-1298.

Zenk, M.H., H.El-Shagi, H. Arens, J. Stokigt, E.W. Weiler and B. Deus 1977. Formation of the indole alkaloids serpentine and ajmalicine in cell suspension cultures of Catharanthus roseus. In: *Plant tissue culture and its application* (N. Barz, E. Reinhard and M.H. Zenk eds.). Springer-Verlag, Berlin. pp. 27.

Ziv, M., G. Meir and A.H. Halevy 1983. The development of glucans hardened carnation plants in vitro. *Plant Cell Tissue Organ Culture.* 2: 55-65.