

References

Abad, L.R., Durzo, M.P., Liu, D., Narasimhan, M.L. and Reuveni, M. (1996)

Antifungal activity of tobacco osmotin has specificity and involves plasma membrane permeabilization. *Plant Sci.* **118**: 11-23.

Abd-EL-Rehim, M.A. and Hashen, M. M. (1970) A serodiagnostic method for the

differentiation between resistant and susceptible Egyptian cotton varieties to infection with *Fusarium oxysporum*. *Phytopathology. Z.* **68**: 180 – 182.

Abd-EL-Rehim, M.A., Ibrahim, I.A., Michail, S.H. and Fadel, F.M. (1971a)

Serological and immunoelectrophoretical studies on resistance and susceptible watermelon varieties to *Fusarium semitectum* Berk. *Ann. Rev. Phytopath. Z.* **71**: 49-55.

Abd-EL-Rehim, M.A., Ibrahim. I.A. and EL-Namlah, E.M. (1971b) Serodiagnostic

studies on *Citrus* spp. with respect to their resistance to *Phytophthora citrophthora*. *Alex. J. Agr. Res.* **19**: 145 – 147.

Abrarov, A.H., Ibragimov, S.I. and Kariev, U. (1973) Effect of kinetin and indole

acetic acid on cotton plants infected with *Verticillium* wilt. *Fisiol. Rast.* **20**: 949.

Addy, S.K. and Goodman, R.N. (1972) Polyphenoloxidase activity in apple leaves

inoculated with a virulent or avirulent strain for *Erwinia amylovora*. *Indian Phytopath.* **25**: 575 – 579.

Aguelon, M. and Dunez, J. (1984) Immunoenzymatic techniques for the detection of

Phoma exigua in infected potato tissues. *Ann. Appl. Biol.* **105**: 463 – 469.

Ahl-Goy, P.A., Felix, G., Metraux, J.P. and Meins, F. (1992) Resistance to disease in

the hybrid *Nicotiana glutinosa*X*Nicotiana debneyi* is associated with high constitutive, peroxidase and polyphenoloxidase. *Physiol. Mol. Plant Pathol.* **41**: 11 – 21.

Alba, A.P.C. and DeVay, J.E. (1985) Detection of cross reactive antigen between *Phytophthora infestans* (Mont.) de Bary and *Solanum* species by indirect enzyme linked immunosorbent assay. *Phytopathology. Z.* **12**: 97-102.

Alba, A.P.C., Guzzo, S.D., Mahlow, M.F.P. and Moraes, W.B.C.(1983). Common antigens in extracts of *Hemileia vastarix* Berk, et. Br. uredenospores and *Coffea arabica* L. leaves and roots, *Fitopatho* **8** : 473-491.

Alba, A.P.C., Namekata, T., Mores, W.B.C., Olivera, A.R. and Figueiredo, M.B.(1973). Serological studies on coffee rust. *Arg. Inst. Biol. Sao Paulo.* **40** : 227-238.

Amouzou-Alladaye, E., Dunez, J. and Clerjean, M.(1988) Immunoenzymatic detection of *Phytophthora fragariae* in infected strawberry plants. *Phytopathology* **78**: 1022 – 1106.

Ansari, M.M. and Agnihotri, S.K. (2000) Morphological, physiological variations among *Sclerotium rolfsii* isolates of soybean. *Indian Phytopath.* **53**: 65-67.

Arie, T., Namba, S., Yamashita, S. and Doi, Y. (1988) Detection of resting spores of *Plasmodiophora brassicae* Woron. from soil and root by fluorescent antibody technique. *Phytopath. Soc. Japan.* **54**: 242 – 245.

Banowitz, G.M., Trione, E.J. and Krygier, B.B. (1984) Immunological comparisons of teliospores of two wheat bunt fungi *Tilletia* species, using monoclonal antibodies and antisera. *Mycologia* **76**: 51 – 62.

Barash, I., Zilberman, E. and Marcus, L (1984) Purification of *Geotrichum candidum* endopolygalacturonase from culture and from host tissue by affinity chromatography on cross-linked polypectate. *Physiol. Plant Pathol.* **25**: 161 – 169.

Bashan, B. and Cohen, Y. (1983) Tobacco necrosis virus induces systemic resistance in cucumber against *Spherotheca fuliginea*. *Physiol. Plant Path.* **23**: 137 – 144.

Bateman, D. F. and Basham, H. G.(1976) Degradation of plant cell walls and membranes by microbial enzymes. In: Heitefuss R. Williams PH.eds **Physiological Plant Pathology**. Berlin,Germany: Springer-verlag, 316-355. (Pirson, A. / Immermann, M.H., eds **Encyclopedia of Plant Physiology** New Seris; Vol-4)

Bateman, D.F. (1968) The enzymatic maceration of plant tissue. *Neth.J. Plant Pathol.*74: 67 – 80.

Bateman, D.F. and Miller, R.C. (1966) Pectic enzyme in tissue degradation. *Ann. Rev. Phytopath.* 4: 119 – 146.

Bayen, R.P., Schoffelmer, E.A.M., Toet, S. and Elgersma, D.M. (1997) Fungal polygalacturonase activity reflects susceptibility of carnation cultivars to *Fusarium* wilt. *Eur.J. Plant Pathol.* 103: 15 - 23.

Beckman, K.B., Harrison, J.G. and Ingram D.S. (1994) Optimization of a polyclonal enzyme linked immunosorbent assay (ELISA) of fungal biomass for use in studies of defence responses. *Physiol. Mol. Plant Pathol.* 44 : 19 – 32.

Benson, D.M. (1991) Detection of *Phytophthora cinamomi* in azalea with commercial serological assay kits. *Plant Dis.* 75: 478 – 482.

Bhattacharrya, A. and Roy A. K.(2000) Effect of Resistance inducing chemicals on enzyme activities in sheath blight infected rice plant. Proc. *Symposium on Biotechnology of Plant Protection, Application and Technology Development*. Banaras Hindu University, Varanasi. p.49.(Abst.).

Bhattacharrya, M.K. and Ward, E.W.B. (1985). Occurrence of common antigens in jute and *Colletotrichum corchori*, *Current Science.* 54(5) : 251-267.

Bhattacharyya, M.K. and Ward, E.W.B. (1985) Differential sensitivity of *Phytophthora megasperma* f. sp. *glycinea* isolate to glyceollin isomers. *Physiol. Pl.Path.* **27**: 299-302.

Bhattacharyya, M.K. and Ward, E.W.B. (1986) Resistance, susceptibility and accumulation of glyceollins I-III in soybean organs inoculated with *Phytophthora megasperma* f. sp. *glycinea*. *Physiol. Mol. Plant. Pathol.* **29**: 227-233.

Bhattacharyya, M.K. and Ward, E.W.B. (1987) Temperature induced susceptibility of soybeans to *Phytophthora megasperma* f. sp. *glycinea*; phenylalanine ammonia lyase and glyceollin sensitivity of the pathogen. *Physiol. Mol. Plant Pathol.* **31**: 407 – 419 .

Biehn, W.L., Kuc, J. and Williams, E.B. (1968) Accumulation of phenols in resistant plant fungi interactions. *Phytopathology.* **58**: 1255–1260.

Bier, R.C. and Oertelli, E.H. (1983) Psoralene and other linear furocoumarins and phytoalexins in celery. *Phytochemistry.* **22**: 252-295.

Bishop, C.D. and Cooper, R.M. (1983) An ultrastructural study of root invasion in three vascular wilt diseases. *Physiol. Plant. Pathol.* **22**: 15 – 27.

Black, C. K. (1965). Methods of soil analysis. Agronomy monograph No. 9, American Society of Agronomy, Wisconsin, USA, pp 999 – 1010.

Bojarezuk, J. and Ruszkowski, M.(1972) The effect of chlorocholine chloride (C.C.C.) on infection of winter wheat and rye eyespot (*Cercospora herpotrichoides* Fron.) *Biubryn Instytutu Hodowli Aklimatyzacji Roslin.* **3**: 77-91.

Bridge, M.A. and Kalarman, W.L. (1973) Soybean phytoalexin, hydroxyphaseollin induced by Ultra violet irradiation. *Phytopathology.* **63**: 606.

Brill, L.M., Mc Clary, R.D. and Sinclair, J.B. (1994) Analysis of two ELISA formats and antigen preparations using polyclonal antibodies against *Phomopsis longicolla*. *Phytopathology*. **84**:173–179.

Burdsall, H.H., Jr. Banik, M. and Cook, M.E. (1990) Serological differentiation of three species of *Armillaria* and *Lentinula edodes* by enzyme linked immunosorbent assay using immunized chickens as a source of antibodies. *Mycol. Soc. Amer.* **82** : 415 – 423.

Burrell, R.G., Clayton, C.W., Gallegly, M.E. and Lilly, V.G. (1966) Factors affecting the antigenicity of mycelium of three species of *Phytophthora*. *Phytopathology*. **56**: 423 – 425.

Camm, E.L. and Towers, G.H.N. (1973) Review article: Phenylalanine ammonia – lyase. *Phytochem.* **12**: 961 – 973.

Carlos M. J.(1979) Predisposition of soybean [*Glycine max* (L.) Merril.] to blight caused by *Sclerotium rolfsii* Sacc. *Fitopatologia*. **14**:54.

Carroll, R.B., Lukezic, L. and Levine, R.G.(1972). Absence of common Antigen relationship between *Corynebacterium insidiosum* and *Medicago sativa* as a factor of disease development. *Phytopath.* **62** : 1351

Cartwright, D. W., Langcake, P. and Ride J.P.(1980) Phytoalexin production in rice and its enhancement by a dichlorocyclopropane fungicide. *Physiol. Plant Pathol.***17**:269.

Carver, T.L.W., Zeyen, R.J., Bushnell, W.R. and Robbins, M.P.(1994) Inhibition of phenylalanine ammonia-lyase and cinnamyl alcohol dehydrogenase increases

quantative susceptibility of barley to powdery mildew (*Erysiphe graminis* D.C.).
Physiol. Mol.plant. Pathol. **44** : 261 – 272.

Chakraborty, B.N.(1988) Antigenic disparity. In **Experimental and Conceptual Plant Pathology** (Eds R. S. Singh, U. S. Singh, W. M. Hess and D. J. Weber) p.477. Oxford and IBH Publishing Co. Pvt. Ltd. New Delhi.

Chakraborty, B.N. and Purkayastha, R.P. (1981) Effect of some growth substances on charcoal-rot resistant and susceptible cultivars of soybean [*Glycine max* (L.) Merrill] *Bull. Botan. Soc. Bengal.* **35**: 103.

Chakraborty, B.N. and Purkayastha, R.P. (1983) Serological relationship between *Macrophomina phaseolina* and soybean cultivars. *Physiol. Plant Pathol.* **23**: 197 – 205.

Chakraborty, B.N. and Purkayastha, R.P. (1987) Alteration of glyceollin synthesis and antigenic patterns after chemical induction of resistance in soybean to *Macrophomina phaseolina*. *Can. J. Microbiol.* **33** : 835 – 840.

Chakraborty, B.N., and Saha, A. (1994) Detection and cellular location of cross reactive antigens shared by *Camellia sinensis* and *Bipolaris carbonum*. *Physiol. Mol. Plant Pathol.* **44** : 403 – 416.

Chakraborty, B.N., Basu, P., Das, R., Saha, A. and Chakraborty, U. (1995) Detection of cross reactive antigens between *Pestalotiopsis theae* and tea leaves and their cellular location. *Ann. Appl. Biol.* **127** : 11 – 21.

Chakraborty, B.N., Sarkar, B. and Chakraborty, U.(1997). Detection of cross reactive antigen shared by *Fusarium oxysporum* and *Glycine max* by indirect ELISA and their cellular location in root tissues. *Folia Microbiol.* **42**: 607-612.

Chakraborty, B.N., Chakraborty, U., Das, J., Basu, C., Sengupta, D. and Deb, D.(2000) Immunological detection of *Sphaerostilbe repens*, *Trichoderma viride* and *Trichoderma harzianum* for management of violet root rot of tea. Proc. symposium on “*Chemistry in the millenium: Retrospect and Prospect*”. pp-19.

Chakraborty, D. and Sinha, A.K. (1984) Similarity between the chemically and biologically induced resistance in wheat seedlings to *Drechslera sorokiniana*. *J.Plant Dis.Protection*. **91**:59-64.

Chakraborty, U. and Chakraborty, B.N. (1989) Interaction of *Rhizobium leguminosarum* and *Fusarium solani* f. sp. *pisi* on pea affecting disease development and phytoalexin production. *Can. J. Bot.* **67**: 1698-1701.

Chakraborty, U., Basu, P., Das R., Saha, A. and Chakraborty, B.N. (1996) Evaluation of antiserum raised against *Pestalotiopsis theae* for detection of grey blight disease of tea by ELISA. *Folia Microbiol.* **41**: 413 – 418.

Chakraborty, U., Chakraborty, B.N. and Purkayastha, R.P. (1989) Application of growth substances and mineral nutrition affecting disease development and glyceollin production of soybean. *Folia. Microbiol.* **34**: 490-497.

Chalutz, E. and Stahmann, M.A. (1969) Induction of pisatin by ethylene. *Phytopathology.* **59** : 1972-1984.

Chard, J. M., Gray, T.R.G. and Frankland, J.C. (1985) Use of anti *Mycena galopus* serum as an immunofluorescence reagent *Trans. Br. Mycol. Soc.* **84** : 243 – 249.

Charudattan, R. and DeVay, J.E.(1970). Common antigens among varieties of *Gossypium hirsutam* and *Fusarium* species and their possible significance in root infection p.25. In Beltwide Cotton Production Res. Conf. Proc., Houston, Texas. 30th Cotton Disease Council, Memphis, Tenn.

Charudattan, R. and DeVay, J.E. (1972) Common antigens among varieties of *Gossypium hirsutum* and isolates of *Fusarium* and *Verticillium* species. *Phytopathology*. **62**: 230-233.

Cheema, A.S. and Haard, N.F. (1978) Induction of rishitin and lubimin in potato tuber disease by non-specific elicitors and the influence of storage conditions. *Physiol.Pl.Path.* **13**: 233-241.

Chilosi, G. and Magro, P. (1997) Pectin lyase and polygalacturonase isoenzyme production by *Botrytis cinerea* during the early stages of infection on different host plants. *J. Plant Pathol.* **78**: 61 – 69.

Chilosi, G. and Magro, P.(1998) Pectolytic enzymes produced *in vitro* and during colonization of melon tissues by *Didymella bryoniae*. *Plant Pathology*. **47**: 700 – 705.

Chowdhury, A.K. (2000) Induction of resistance in chickpea plants against *Fusarium* wilt infection by seed treatment with non-conventional chemicals. *J.Mycol.Pl.Pathol.* **30**:53-56.

Chowdhury, A.K. and Mitra, P. (1999) Resistance induced by non-conventional compounds in selected crop plants against their fungal pathogens. *Environment & Ecology*. **17**:640-642.

Chowdhury, A.K. and Sinha, A.K.(1996) An alternative approach for the chemical control of *Fusarium* wilt of chickpea. National Symposium on Disease of Economically Important Crops of Eastern India and Their Management . N.B.U., Dec.1996.

Chowdhury, A.K. and Sinha, A.K.(1997). Chitosan, a sensitizer for *Sclerotium* resistance in groundnut. International Conference on Integrated Plant Disease Management for Sustainable Agriculture, I.A.R.I., New Delhi. Nov.1997.

Clausen, J. (1988) Laboratory technique in Biochemistry and Molecular Biology. Vol. 1. Part- III. (eds. R.H. Burdon and P.H.Van Knippenberg), pp. 64-65.

Cleveland, T.E. and Cottly, P.J. (1991) Invasiveness of *Aspergillus flavus* isolated in wounded cotton bolls is associated with production of a specific fungal polygalacturonase. *Phytopathology*. **81** : 155-158.

Crosier, W.F. and Yountburg, W.L. (1967) Reduction of common bunt in winter wheat by 2-chloroethyl trimethyl ammonium chloride. *Phytopathology*. **57** : 339 (Abstr.)

Daly, J. M. and Deverall, B.J. (1963) Metabolism of indole acetic acid in rust diseases V.Factors influencing rates of decarboxylation. *Plant Physiol*. **38** : 741-768.

Daly, J.M.(1972). The use of near isogenic lines in biochemical studies of the resistance of wheat stem. *Phytopathol*. **62** : 392-401.

Daniel, G. and Nilsson, T. (1991) Antiserum to the fungus *Phialophora mutabilis* and its use in enzyme linked immunosorbent assay for detection of soft rot in preservative treated and untreated wood. *Phytopathology*. **81**: 1319 – 1325.

Daniel, M. and Purkayastha, R.P.(1995) Hand book of phytoalexin metabolism and action. Eds. Marcel and Dekker, Inc. U.S.A.

Darvill, A.G. and Albersheim, P. (1984) Phytoalexins and their elicitors – defense against microbial infection in plants. *Ann. Rev. Plant Physiol*. **35** : 243.

DeVay, J.E. and Adler, H. E.(1976) Antigens common to host and parasites. *Ann. Rev. Microbiol*. **30**: 147.

DeVay, J.E., Charudattan, R. and Wimalajewa, D.L.S.(1972). Common antigenic determinates as possible regulators of host pathogen compatibility. *The American Naturalist*. **106(948)**. 185-197.

DeVay, J.E., Schanthrost, W.C. and Foda, M.S.(1967). Common antigens and host-parasite interactions. In *The dynamic role of molecular constituents in plant parasite interaction*. (Eds. C.J.Microcha and I. Uriitani) p.373. Bruce, Minneapolis.

DeVay, J.E., Wakeman, R.J., Kavanagh, J.A. and Charudattan, R.(1981a). The tissue and cellular location of a major cross reactive antigen shared by cotton and soil borne fungal parasites. *Physiol. Plant Pathol.* **18**: 59-66.

DeVay, J.E., Wakeman, R.J., Kavanagh, J.A. .(1981b). Occurrence of common antigenic determinants between potatoes and *Phytophthora infestans* in relation to host parasite compatibility. *Proc. Ister.Symp. On Phytophthora, Its Biology, Ecology and Pathology*. D.C.Erwin, S.Bratniki-Garcia, P.Taso Eds. 43. Dept. of Plant Pathology, University of California, Riverside.

Dewey, F.M., Barett. D.K. Vase, I.R. and Lamb, C.J. (1984). Immunofluorescence microscopy for the detection and identification of propagules of *Phaseolus schweinitzii* in infested soil. *Phytopathology*. **74**: 291-296.

Dewey, F.M., Munday, C.J. and Brasier, C.M.(1989). Monoclonal antibodies to specific components of the dutch elm disease pathogen *Ophiostoma ulmi*. *Plant Pathol.* **38**: 9-20.

Doubly, J.A., Fior, H.H. and Clagett, C.O.(1960). Break through on plant disease. *Agar.Res. (Washington)*. **8**: 3.

- Dewit, P.J.G.M. and Bakker, J.(1980).** Differential changes in soluble tomato leaf proteins after inoculation with virulent and avirulent races of *Cladosporium fulvum* (*Syn. Fulvia fulva*). *Physiol. Plant. Pathol.* **17** : 121-135.
- Erwin, D.C., Tsai, S.D. and Khan, R.A. (1979)** Growth retardants mitigate *Verticillium* wilt and increase yield of cotton. *California Agriculture.* **33** : 8-16.
- Faboya, O., Ikotun, T. and Fatoki, O.S. (1983)** Production of oxalic acid by some fungi in infected tubers. *Z. allg. Microbiol.* **24** : 621 – 624.
- Filonow, A.B., Melouk, H.A., Martin, M. and Sherwood, J. (1988)** Effect of calcium sulphate on pod rot of groundnut. *Plant Dis.* **72** : 589 – 593.
- Friend, J. (1981).** Plant phenolics, lignification and plant disease. *Prog. Phytochem.* **7**: 197-261.
- Fuhrmann, B., Roquebert, M. F., Hoegaerden, M.V. and Strosberg, A.D. (1989)** Immunological differentiation of *Penicillium* species. *Can. J. Microbiol.* **35** : 1043 – 1047.
- Furrer, O.J. and Staulfer, W. (1972)** Results of nitrogen fertilization and C.C.C. experiments on spring wheat *Schweizersche Landwirtschaftliche Forschung* **11** : 273-284.
- Gahalain, A., Kumar, P., Bhatt, J.C., Dube, S.D. and Chauhan, V.S. (1999)** Effect of environmental conditions, salicylic acid and phytohormones on pea leaf blight. *Indian Phytopath.* **52**: 270-273.
- Gendloff, E. H., Ramsdell, D.C. and Burton, C.L. (1983)** Fluorescent antibody studies with *Eutypa armeniacae*. *Phytopathology* **73** : 760 – 764.

Gerik, J.S., Lommel, S.A. and Haisman, O.C (1987) A specific serological staining procedure for *Verticillium dahliae* in cotton root tissue. *Phytopathology*. **77**: 261 – 265.

Ghosal, A. and Purkayastha, R.P. (1984) Elicitation of momilactone by gibberellin in rice. *Curr. Sci.* **53**: 506-518.

Ghosh, S. and Purkayastha, R.P. (1990) Analysis of host parasite cross reactive antigens in relation to *Myrothecium* infection of soybean. *Ind. J. Ex. Biol.* **28** : 1-5.

Gleason, L. M., Ghabrial A.S. and Ferriss, S.R. (1987) Serological detection of *Phomopsis longicolla* in soybean seeds. *Phytopathology*. **77** : 371 – 375.

Goodman, R.N. (1967) The protection of apple tissue against *Erwinia amylovora* infection by avirulent strains and three other bacterial species. *Phytopathology*. **57** : 22-24.

Goodman, R.N. (1980) Defences triggered by previous invaders : bacteria. In “Plant Disease”., J.G. Horsfall and E.B. Cowling, V., Acad. Press, New York. pp 305-317.

Green, A.A. and Hughes, W.L. (1995) Protein fractionation on the basis of solubilities in aqueous solutions of salts and organic solvents. In Methods in Embryology. Vol. I (ed.) S.P. Academic Press. New York, p.67.

Hait, G.N. and Sinha, A.K. (1986) Protection of wheat seedlings from *Helminthosporium* infection by seed treatment with chemicals. *J. Phytopath.* **115** : 97 – 107.

Hait, G. N. and Sinha, A.K. (1987) Biochemical changes associated with induction of resistance in rice seedling to *Helminthosporium oryzae* by seed treatment with chemicals. *Z. pflkrankh. pflschutz.* **94** : 360 – 368.

Hale, M.G., Roane, C.W. and Huang, M.R.C. (1962) Effects of growth regulators on size and number of leaf spot and on O₂ uptake and extension growth of coleoptile section of corn inbred lines K41 and K44. *Phytopathology*. **52** : 185.

Halverson, L.J. and Stacey, G. (1986) Signal exchange in Plant-microbe interactions. *Micr.Rev.* June, 1986, P.193.

Hamilton, R.I. (1980) Defences triggered by previous invaders : viruses. In “Plant Disease : An Advanced Treatise” eds. J. G. Horsfall and E. B. Cowling. Vol. V. Academic press, New York., pp 279-303.

Hammerschmidt, R. (1984) Rapid deposition of lignin in potato tuber tissue as a response to fungi non-pathogenic on potato. *Physiol. Plant. Path.* **24** : 33-42.

Hammerschmidt, R. (1999) Induced disease resistance : how do induced plants to stop pathogens ? *Physiol.Mol.Plant Pathol.* **55** : 77 – 84.

Hammerschmidt, R. (1999a) Phytoalexins: What have we learned after 60 years ? *Ann. Rev. Phytopathol.* **37**: 285-306.

Hammerschmidt, R. and Becker, J.S. (1997) Acquired resistance to disease. *Hort. Rev.* **18** : 247-289.

Hammerschmidt, R. and Kuc, J. (1982) Lignification as a mechanism for induced systemic resistance in cucumber. *Physiol. Plant Path.* **20** : 61-71.

Hansen, M.A. and Wick, R.L.(1993) Plant disease diagnosis: Present status and future prospects. *Adv. Plant Pathol.* **10**: 66-126.

Hardhan, R.A. and Suzaki, E. (1989) Glycoconjugates on the surface of spores of the pathogenic fungus *Phytophthora cinnamoni* studies using fluorescence and electron microscopy and flow Cytometry. *Can. J. Microbiol.* **36** : 183 – 192.

Harrison, J.G., Barker H., Lowe, R. and Rees, E.A. (1990). Estimation of amounts of *Phytophthora infestans* mycelium in leaf tissue by enzyme linked immunosorbent assay (ELISA). *Plant Pathol.* **39** : 274 – 277.

Holtz, B.A., Karn, A.E. and Weinhold, A.R. (1994) Enzyme linked immunosorbent assay for detection of *Thielaviopsis basicola*. *Phytopathology*, **84**: 977-983.

Holtz,G. and Knox-Davies, P.S. (1985) Production of pectic enzymes by *Fusarium oxysporum* f.sp. *cepa* and its involvement in onion bulb rot. *Phytopathologische Zeitschrift.* **112** : 69-80.

Hornok, L. and Jagicza, A.(1973) Fluorescent antibody staining of *Fusarium culmorum*. *Acta. Phytopath. Hung.* **8** : 357 – 363.

Iannelli, D. and Capparelli, R., Cristinzio, G., Marziano, F., Scala, F. and Noviello, C. (1982) Serological differentiation among formae speciales and physiological races of *Fusarium oxysporum*. *Mycologia.* **74** : 313 – 319.

Irvn, R.H. and Kuc, J.A. (1990). Local and systemic induction of peroxidase, chitinase and resistance in cucumber plant by K_2HPO_4 . *Physiol. Mol.Plant Pathol.* **37** : 355 – 366.

Jamaux, I. and Spire, D. (1994) Development of a polyclonal antibody based immunoassay for the early detection of *Sclerotinia sclerotiorum* in rapeseed petals. *Plant Pathol.* **43** : 847 – 862.

Jennings, P.H., Brannaman, B.L. and Zcheile, Jr. F.P. (1969) Peroxidase and polyphenoloxidase activity associated with *Helminthosporium* leaf spot of maize. *Phytopathology* **59** : 963-967.

Johnson, R. (1962) . Serological studies on wheat and wheat steam rust, p.57 M.S. Thesis, University of Saskatchewan, Saskatoon, Sask, Canada.

Johnson, G., Magg, D.D., Johnson, D.K. and Thomas, R.D.(1976). The possible role of phytoalexins in the resistance of sugar beat (*Beta vulgaris*) to *Cercospora beticola*. *Physiol. Plant Pathol.* **8** : 225-241.

Johnson, M.C., Pirone, T.P., Siegel, M.R., and Varney, D.R. (1981) Detection of *Epichloc typhina* in tall fescue by means of enzyme linked immunosorbent assay. *Phytopathology* **78** : 1577.

Joshi, L.M. (1965) Effect of Maleic hydrazide on rusts of wheat and barley. *Indian Phytopath.* **18** : 303.

Kale, A.(1985). The industrial value of soybean. Pages 341-362. Published by Oxford and IBH, New Delhi, India.

Kalyansundaram, R., Laxminarashiman, C. and Venkataraman, S. (1975). Common antigens in host parasite relationship. *Current Science.* **44** : 55-67.

Kalyanasundaram, R., Lakshminarasimhan, C. and Venkataraman, S. (1978) Antigenic relationship between host and parasite in *Fusarium* wilt of cotton. In : T.S. Sadasivan, cv. Suramanian, R. Kalyansundaram, L. Sarswathi-Devi (ed.). 348 : The University of Madras, India.

Kauss, H. (1987) Some aspects of calcium dependent regulation in plant metabolism. *Ann. Rev. Plant Physiol.* **32** : 47 – 72.

Keen, N.T., Ersek, T., Long, M., Bruegger, B. and Holliday, M.(1981) Inhibition of hypersensitive reaction of soybean leaves to incompatible *Pseudomonas* sp. by blasticidin S, streptomycin or elevated temperature. *Physiol. Plant. Pathol.* **18**: 325

Keen, N.T., Sims, J.J., Erwin, D.C., Rice, E and Partridge, J.E. (1971) 6a-Hydroxyphaseollin: an antifungal chemical induced in soybean hypocotyls by *Phytophthora megasperma* var. *sojae*. *Phytopathology* **61**: 1084 – 1089.

Kendra, O.F. and Hadwiger, L.A. (1987) Cell death and membrane leakage not associated with the induction of disease resistance in peas by chitosan of *Fusarium solani* f. sp. *phaseoli*. *Phytopathology* **77** : 100 – 106.

Kessmann, H., Staub T., Hofman, C., Maetzke, T., Herzog, J., Ward, E., Uknes, S. and Ryals, J. (1994) Induction of systemic acquired disease resistance in plants by chemicals. *Ann.Rev.Phytopath.* **32**: 439 – 459.

Kitagawa, T., Sakamoto, I. and Ogura, H. (1989) Novel enzyme immunoassay for specific detection of *Fusarium oxysporum* f.sp. *cucumerinum* and for general detection of various *Fusarium* species. *Phytopathology* **79** : 162 - 167.

Kuc, J. (1982) Plant immunization – mechanisms and practical implications. In “ Active Defense Mechanisms in Plants” ed. R.K.S. Wood, Plenum press, New York, pp. 157 – 178.

Kuc, J. (1984) Fungal regulation of disease resistance mechanisms in plants. *Mycologia*. **76** : 767 – 784.

Kuc, J. (1987) Plant immunization and its practicability for disease control. In “ Innovative Approaches to Plant Disease Control ” , ed. I., Chet. John Wiley and Sons. New York. pp. 255-274.

Kurosaki, F., Tsurosun, Y. and Wisli, A. (1987) The elicitor of phytoalexins by Ca^{++} and cyclic AMP in carrot cells. *Phytochem.* **26**: 1919 – 1923.

Laemmli, U.K. (1970) Cleavage of structural proteins during assembly of the head of the bacteriophage. T4. *Nature* **227** : 680 – 685.

Langcake, P. (1981) Alternative chemical agents for controlling plant disease. *Phil. Trans. R. Soc. Lond. B.* **295** : 83 – 101.

Lazarovits, G. (1988) Induced resistance xenobiotics. In “ Experimental and conceptual Plant Pathology ”, eds. R.S. Singh, U.S. Singh, W.M. Hess and D.J. Weber Oxford and IBH. pp. 575 – 592.

Lazarovits, G. and Ward, E.W.B. (1982). Polyphenoloxidase activity in soybean hypocotyls at sites inoculated with *Phytophthora megasperma* f. sp. *glycinea*. *Physiol. Pl. Path.* **21** : 227 – 236.

Linthorst, H.J.M. (1991) Pathogenesis related proteins of plants. *Crit. Rev. Plant Sci.* **10** : 123 – 150.

Linfield, C.A.(1993) A rapid serological test for detecting *Fusarium oxysporum* f. sp. *narcissi* in *Narcissus*. *Ann. Appl. Biol.* **123**: 685-693.

Lowry, O.H., Resborough, N.J., Farr, A.L. and Randall, R.J. (1951) Protein measurement with folin phenol reagent. *J. Biol. Chem.* **193** : 265 – 275.

Lyons, N. F. and White, J.E. (1992) Detection of *Pythium violae* and *Pythium sulcatum* in carrots with cavity spots using competition ELISA. *Ann. Appl. Biol.* **120** : 235 – 244.

Mandal, N.C. and Sinha, A.K. (1992) An alternative approach for the chemical control of *Fusarium* wilt of tomato. *Indian Phytopath.* **45** (2) : 194.

Martin, J. and Grossman, F. (1972) Inhibition of pectic and cellulolytic enzymes of *Rhizoctonia solani* and the influence of some inhibitors of the disease process. II. Effects of some inhibitors in-vivo. *Phytopath. Z.* **75**: 87-110.

Matern, U. and Kneusel, R.E. (1988) Phenolic compounds in plant disease resistance. *Phytoparasitica.* **16** : 153 – 170.

Matta, A. (1971) Microbial penetration and immunization of uncongenial host plants. *Ann. Rev. Phytopath.* **9** : 387 – 410.

Matta, A. (1980) Defence triggered by previous diverse invaders. In “Plant Disease” , eds. J. G. Horsfall and E. B. Cowling. Vol. V. Academic Press. New York. pp. 345-349.

Mac Donald, J.D. and Duniway. J.M. (1979) Use of fluorescent antibodies to study the survival of *Phytophthora megasperma* and *P. cinnamoni* zoospores in soil. *Phytopathology.* **69** : 436 – 441.

Madamanchi, N.R. and Kuc, J. (1991) Induced systemic resistance in plants. In *the fungal spore and disease initiation in plants and animals*. (Ed. By G.T. Cole and H.C. Hoch). *Plenum Publishing Corporation.* p. 347.

Mahadevan, A. and Sridhar, R.(1982) *Methods in Physiological Plant Pathology*, 2nd edition, Sivakami Publication, India.

Mandal, N.C. and Sinha, A.K. (1992) An alternative approach for the chemical control of *Fusarium* wilt of tomato. *Indian Phytopath.* **45** (2) : 194.

Mathur, A.K. and Bhatnagar, G.C. (1991) Management of barley stripe with mineral elements. *Indian Phytopath.* **44** : 382.

Mauch, F. , Mauch-Mani, B. and Boller, T. (1988) Antifungal hydrolysis of pea tissue. 2. Inhibition of fungal growth by combinations of chitinase and β -1, 3-glucanase. *Plant Physiol.* **88** : 936 – 942.

Mauch – Mani, B. and Slusarenko, A. J. (1996) Production of salicylic acid precursors is a major function of phenylalanine ammonia lyase in the resistance of *Arabidopsis* to *Peronospora parasitica*. *Plant cell* **8** : 203 – 212.

Miller, G. L. (1972) Use of dinitrosalicylic acid reagent for determination of reducing sugar. *Anal. Chem.* **31** : 426 – 428.

Moesta, P. and Grisebach, H. (1980) Effects of biotic and abiotic elicitors on Phytoalexin metabolism in soybean. *Nature.* **286** : 710.

Mohan, S.B. (1988) Evaluation of antisera raised against *Phytophthora fragariae* for detecting the red core disease of strawberries by enzyme linked immunosorbent assay (ELISA). *Plant Pathol.* **37** : 206 – 210.

Mohan, S.B. (1989) Cross reactivity of antiserum raised against *Phytophthora fragariae* with other *Phytophthora* species and its evaluation as a genus detecting antiserum. *Plant Pathol.* **38** : 352 – 368.

Mohr, P.G. and Cahill, D.M. (2001) Relative roles in glyceollin, lignin and the hypersensitive response and the influence of ABA in compatible and incompatible interactions of soybeans with *Phytophthora sojae*. *Physiol. Mol. Plant Pathol.* **58**: 31-41.

Natalina, O.B. and Svetvov, V.G. (1972). Effectiveness of chlorocholin chlorides, against gray rot of grapevine Khimiya V. Selskom Khozyaistve. **10** : 34.

Newton, R. and Anderson, J. A. (1929) Studies on the nature of rust resistance in wheat. IV. Phenolic compounds of the wheat plant. *Can. J. Res.* **1** : 86 – 99.

Novacky, A and Acedo, G. A. (1970). Phenylalanine ammonia lyase activity in tobacco tissue inoculated with *Pseudomonas pisi* and *P. tabaci*. *Phytopathology*. **60** : 1306 (Abstr.)

Oku, H. (1960) Biochemical studies on *Cochliobolus miyabeanus*. VI on the breakdown of disease resistance in rice by reducing agents. *Ann. Phytopath. Soc. Japan* **25** : 92.

Olsson, K. (1989) Relationship between pectolytic enzyme activity and rot development in potato tubers inoculated with *Fusarium solani* var. *coeruleum*. *J. Phytopath.* **124** : 225 – 235.

Oostendorp, M., Kunz, W., Dietrich, B. and Stub, t. (2001) Induced disease resistance in plants by chemicals. *Eur.J.Plant Path.* **107** : 19-28

Oswald, T.H. and Wyllie, T.O. (1973) Effects of growth regulator treatments on severity of charcoal rot disease of soybean. *Plant Dis. Reporter* **57**: 789.

Ouchi, S. (1983) Induction of resistance or susceptibility. *Ann. Rev. Phytopathol.* **21** : 289.

Ouchi, S., Oku, H., Hibino, C. and Akiyama, I.(1974). Induction of accessibility and resistance in leaves of barley by some races of *Erysiphe graminis*. *Phytopathol. Z.* **79** :24-36.

Ouchterlony, O. (1967) In Handbook of experimental immunology. (Ed. Weir) Blackwell Inc., London p. 655.

Palmerley, R.A. and Callow, J.A. (1978) Common antigens in extracts of *Phytophthora infestans* and potatoes. *Physiol. Plant Pathol.* **12** : 241 – 248.

Peterson, L.J., DeVay, J.E. and Houston, B.R. (1963) Effect of gibberellic acid on development of hypocotyl lesions caused by *Rhizoctonia solani* on red kidney bean. *Phytopathology* **53** : 630.

Phelps, C.D., Nemea, S., Baker, R. and Mansell, R. (1989) Immunoassay for Naphthazarin phytotoxin produced by *Fusarium solani*. *Phytopathology* **80** : 298 – 302.

Pristly, A. and DeVay, F.M. (1993) Development of a monoclonal antibody immunoassay of eye spot pathogen *Pseudocercospora herpotrichoides*. *Plant Pathol.* **42** : 403 – 412.

Pscheidt, W.J., Burket, Z.T. and Fister, L.S. (1992) Sensitivity and clinical uses of *Phytophthora* specific immunoassay kits. *Plant Dis.* **76** : 928 – 932.

Punja, Z. K. (1985) The biology, ecology and control of *Sclerotium rolfsii* Sacc. *Annu. Rev. Phytopathol.* **23** : 97 – 127.

Purkayastha, R.P. (1986) Elicitors and elicitation of phytoalexins. In: Vistas in Plant Pathology. (Eds. Verma, A. and Verma, J.P.) pp. 25, Malhotra Publishing House, New Delhi, India.

Purkayastha, R.P. (1989) Specificity and disease resistance in plants. Presidential address, Section Botany, 76th Session of Indian Science Congress, Madurai.

Purkayastha, R.P. (1994) Phyto-immunology : an emerging discipline of plant science. *Everyman's Science.* **29**: 41.

Purkayastha, R.P. (1995) Progress in phytoalexin research during the past 50 years . In *Handbook of Phytoalexin Metabolism and Action* (Eds. M. Daniel and R. P. Purkayastha). Marcel Dekkar, Inc. P. 1-39.

Purkayastha, R.P. and Banerjee, R. (1990) Immunological studies on cloxacillin induced resistance of soybean against anthracnose, (*Zeitschrift fir Pflanzen Krankhitten use pflanzenschutz*). *J. Plant Prot.* **97** : 349 – 359.

Purkayastha, R.P. and Banerjee, R. (1986) Immunological studies on anthracnose disease of soybean. *Int. J. Trop. Plant Dis.* **4(1)** : 77-87.

Purkayastha, R.P. and Chakraborty, B.N. (1983) Immunoelectrophoretic analysis of plant antigens in relation to biosynthesis of phytoalexin and diseases resistance of soybean. *Trop. Plant Sci. Res.* **1**: 89-96.

Purkayastha, R.P. and Deverall, B.J. (1965) The growth of *Botrytis fabae* and *B. cineria* into leaves of bean (*Vicia faba* L.) *Ann. Appl. Biol.* **56** : 139.

Purkayastha, R.P. and Ghosal, A. (1985) Analysis of cross reactive antigens of *Acrocyldruim oryzea* and rice in relation to sheath rot disease. *Physiol. Plant Pathol.* **27** : 245 – 252

Purkayastha, R.P. and Ghosal, A. (1987) . Immunoserological studies on root rot of ground nut (*Arachis hypogea* L.). *Can. J. Microbiol.* **33** : 647-661.

Purkayastha, R.P., Ghosal, A., Garai, M. and Ghosh, S. (1991). Cross reactive antigens as determinants of susceptibility of pigeon pea cultivars to Fusarium wilt ; In *Botanical researches in India* (ed. N.C. Aery, B.L. Chaudhury) 508 Himanshu Publications, Udaypur, India.

Purkayastha, R.P. and Ghosh, S. (1983) Elicitation and inhibition of Phytoalexin Biosynthesis in *Myrothecium* infected soybean. *Ind.J.Exp. Biol.* **21** : 216.

Purkayastha, R. P. and Pradhan, S. (1994). Immunological approach to study the etiology of *Sclerotium* rot disease of groundnut. *Proc. Indian. Natn. Sci. Acad.*, B60, No. 2 pp. 157.

Purkayastha, R.P. and Ray, C. (1977) Effect of foliar application of plant hormones and mineral nutrition of host on the development of the anthracnose disease of jute. *Zeitschrift fur Pflanzenkrankheiten and Pflanzenschutz. (Journal of Plant disease and Protection)*. **84** : 193.

Purkayastha, R.P., Mallik, F. and Chakraborty, R. (1972) Responses of Healthy and *Macrophomina* infected jute plants to growth substances. *Indian Phytopath.* **25** : 366.

Ramarao, P. and Isacc, I. (1980) Effect of foliar application of antibiotic and gibberellic acid on the rhizosphere microflora of pea (*Pisum sativum*) infected with *Verticillium dahliae*. *Folia Microbiol.* **25** : 357.

Ratej Guranowska, M. and Wolko, B. (1991) Comparison of *Fusarium oxysporum* and *Fusarium oxysporum* var. *redolens* by analyzing the isozyme and serological patterns. *J. Phytopathol.* **132** : 287 – 393.

Ray, J.(1901) Cultures et formes atténuées des maladies cryptogamiques des Végétaux Compt. *Rend. Acad. Sci.* **133**: 307-309(Cited by R. J. Allen in *Plant Pathology: An Advance Treatise*, **1**: 435-467,1959).

Reddy, M.K., and Ananthanarayanan, T.V. (1984) Detection of *Ganoderma lucidum* in betelnut by fluorescent antibody techniques. *Trans Br. Mycol. Soc.* **82**: 559 – 561.

Reddy, M.N., C.G. and Sujathamma, P. (1988) Epicuticular waxes of groundnut hypocotyls becoming resistant to attack by *Rhizoctina solani* (Kuhn). *Acta Physiologiae Plantarum*. **10** : 287 – 292.

Ricker, R.W., Marois, J.J., Dlott, J.W., Bostock, R.M., and Morrison, J.C. (1991) Immunodetection and quantifications of *Botrytis cinerea* on harvested wine grapes. *Phytopathology*. **81**: 401 – 411.

Ride, J.P. (1975) Lignification in wounded wheat leaves in response to fungi and its possible role in resistance. *Physiol. Plant Pathol.* **5**: 125 – 134.

Ride, J.P. (1980) The effect of induced lignification on the resistance of wheat cell walls to fungal degradation. *Physiol. Plant pathol.* **16** : 187 – 196.

Rivera, J.C. and Mavrich, E. (1978) Control of *Botrytis cineria* use of gibberellin to lenthen bunches of pinot grisa Mendoza (Argentina). *Progris Agriole et. Viticole.* **95** : 9.

Rouxel, T., Sarniguet, A., Kallmann and Bousquet, J.F. (1989) Accumulation of phytoalexin in *Brassica* spp. in relation to hypersensitive reaction to *Leptosphaeria maculans*. *Physiol.Mol.Plant Pathol.* **34** : 507 – 517.

Sad, A.T. and Rashid, K. (1973). The effects of growth regulators on the incidence and severity of internal chocolate spot disease of potatoes. 2nd . Int. cong. Of Plant Pathology p. **344** (Abstr).

Sako, N. and Stahmann, M.A.(1972). Multiple molecular forms of eenzyme in barley leaves infected with *Erysiphe graminis* f. sp. *hordii*. *Physiol. Plant Pathol.* **2**: 217-234.

Sarkar, M.L. and Sinha, A.K. (1991) Control of sheath blight of rice by unconventional chemicals. *Indian Phytopath.* **44** : 379.

Satyan, K.B.(2000) Involvement of lignin and callose during acquired resistance in pearl millet against downy mildew disease . Proc. *Symposium on Biotechnology of Plant Protection, Application and Technology Development*. Banaras Hindu University, Varanasi. p.64.(Abst.).

Schmitthenner, A.F.(1988) ELISA detection of *Phytophthora* from soil. *Phytopathology*, **78** : 1576.

Sequeira, L. (1979) The acquisition of systemic resistance by prior inoculation. In "Recognition and specificity in Plant Host-Parasite Interactions". eds. J.M. Daly and I. Uritani. Univ. Park Press, Ballimure. pp 231-251.

Sequeira, L. (1983) Mechanisms of induced resistance in Plants. *Ann. Rev. Microbiol.* **37** : 51 – 79.

Shane, W. W.(1991) Prospects for Early Detection of *Pythium* Blight Epidemics on Turfgrass by Antibody-Aided Monitoring. *Plant Dis.***75**: 921-925.

Sharma, J.K. (1973) Effect of certain chemicals in inducing resistance to Anthracnose of sorghum caused by *Colletotrichum graminicola*. 2nd Int. Cong. of Plant Pathology, p 957 (Abstr.).

Shivkumar, P.D.(2000) Induction of systemic resistance in pearl millet by seed treatment using chitosan against downey mildew disease. Proc. *Symposium on Biotechnology of Plant Protection, Application and Technology Development*. Banaras Hindu University, Varanasi. p.65.(Abst.).

Singh, U. and Thapliyal, P.N. (1999) Fungi responsible for seedling emergence problem in different soybean cultivars in Terai region. *Indian Phytopath.* **52**: 79-81

Sinha, A.K. (1984) A new concept of Plant disease control. *Science and culture*. **50** : 181.

Sinha, A.K. (1989) Basic Research on induced resistance for crop disease management. In "Basic Research for crop Disease Management" ed. P. Vidyasekharan, Daya Publishing House, Delhi. pp. 187-200.

Sinha, A.K. (1990) Basic research on induced resistance for crop disease management. In "Basic Research for Crop Disease Management" ed. P. Vidyasekharan, Daya Publishing House, Delhi, pp. 187-200.

Sinha, A.K. and Wood, R.K.S. (1967) The effect of growth substances on *Verticillium* wilt of tomato plants. *Ann. App. Biol.* **60** : 117.

Sinha, A.K. and Das, N.C . (1972) Induced resistance in rice plants to *Helminthosporium oryzae*. *Physiol.Plant Pathol.* **2** : 401.

Sinha, A.K. and Hait, G.N. (1982) Host sensitization as a factor in induction of resistance in rice against *Drechslera* by seed treatment with phytoalexin inducers. *Trans. Br : Mycol. Soc.* **79** : 213 – 219.

Sinha, A.K. and Sengupta, T.K. (1986) Use of unconventional chemicals in the control of blast of rice. 2nd. Int. Conf. Pl. Prot in the Tropics. pp. 219-221.

Smith, J.A. and Hammerschmidt, R. (1988) Comparative study of acidic peroxidases associated with induced resistance in cucumber, muskmelon and watermelon. *Physiol. and Mol. Pl. Path.* **33** : 255 – 261.

Stafford, H.A. (1960) Differences between ligninlike polymers formed by the peroxidation of eugenol and ferulic acid in leaf section of *Phleum*. *Plant Physiol.* **35** : 108-114.

- Sticher, L., Mauch-Mani, B. and Metraux, J.P. (1997)** Systemic acquired resistance. *Annu. Rev. Phytopathol.* **35** : 235 – 270.
- Stockwell, V. and Hanchey, P. (1987)** Lignification of lesion borders in *Rhizoctonia* related bean hypocotyls. *Phytopathology.* **77** : 589 – 593.
- Stoessel, P. and Magrinalato, D.(1983)** Phytoalexins in *Phaseolus vulgaris* and *Glycine max* induced by chemical treatment, microbial contamination and fungal infections. *Experientia.* **39** : 153.
- Sundaram, S., Plasencia, J., and Banttari, E.E. (1991)** Enzyme linked immunosorbent assay for detection of *Verticillium* spp.using antisera produced to *V. dahliae* from potato *Phytopathol.* **81** : 1485-1489.
- Tahori, A.S., Zeidler, G. and Halevy, A.H. (1965)** Effect of some plant growth retarding compounds on three fungal diseases and one viral disease. *Plant Dis. Reporter.* **49** : 775
- Tarrad, A.M., EI-Hyatemy, Y.Y. and Over, S.A. (1993)** Weyerone derivatives and activities of PO and PPO in fuba bean leaves as induced by chocolate spot disease. *Plant Science* (Limerick) **89** : 161 – 165.
- Tomiyama, K. (1966).** Double infection by an incompatible race of *Phytophthora infestans* of a potato plant cell which has been previously infected by a compatible race. *Ann. Phytopathol. Soc., Japan.* **32** : 181-202.
- Touze, A. and Rossignol, M. (1977)** Lignification in the onset of premunition in muskmelon plants. In “Cell wall Biochemistry Related to Specificity in Host –Pathogen Interactions”, ed. B. Solheim and J. Raa. Univeritets forlaget, Tromso, pp. 289 – 292.

Uritani, I. (1971). Protein changes in diseased plants. *Ann. Rev. Phytopath.* **9** : 211-232.

Uritani, J. and Stahman, M.N. (1961). The relationship between antigenic compounds produced by sweet potato in response to black rot infection and the magnitude of disease resistance. *Agr. Biol. Chem.* **25** : 479-491.

Unger, J.G., and Wolf, G. (1988) Detection of *Pseudocercospora herpotrichoides* (Fron) Deighton in wheat by indirect ELISA. *J. Phytopathol.* **122** : 281 – 286.

Valken, P. (1972) Some aspects of the host parasite relationship under the influence of IAA and GA treatments. *Phytopathology. S.* **75** : 163.

van Andel, O.M. (1966) Amino acids and plant disease. *Ann Rev. Phytopath.* **4**: 349 – 368.

Venkataram, C.S. (1961) Application of nickel chloride to plants (*Camellia sinensis*) and control of blister blight. *Curr. Science.* **30** : 57.

Vidyasekaran, P. (1976) Role of auxins in leaf spot incidence in ragi incited by *Helminthosporium tetramera*. *Indian Phytopath.* **27** : 517.

Wain, R.L. and Cater, G.L. (1972) Historical aspects in “Systemic Fungicides”,ed. R.W. Marsh, London. Longman pp. 6- 33.

Wakeham, A.J. and White, J.G. (1996) Serological detection in soil of *Plasmodiophora brassicae* resting spores. *Physiol. Mol. Plant Pathol* **48** : 289 – 303.

Walcz, I., Pacsa, A.S., Emody, L. and Szabo, L.G. (1985) Detection of *Sclerotinia sclerotiorum* in sunflower by enzyme linked immunosorbent assay (ELISA). *Trans. Br. Mycol. Soc.* **85** : 485 – 488.

- Walton, J.D. (1994)** Deconstructing the cell wall. *Plant Physiol.* 104 : 1113 – 1118.
- Ward, E.W.B. (1989)** Susceptibility of immature soybean leaves to *Phytophthora* species. *Physiol. Mol. Plant Pathol.* 34: 393-402.
- Warnock, D.W. (1973)** Use of immunofluorescence to detect mycelium of *Alternaria*, *Aspergillus* and *Penicillium* in Barley grains. *Trans. Br. Mycol. Soc.* (3) : 547 – 552.
- Watabe, M. (1990)** Immunofluorescent antibody technique for detecting *Phytophthora* in soil. *Phytopathol. Soc. Japan.* 56 : 269 – 272.
- Watson, D.G. and Brooks, C.J.W. (1984)** Formation of capsidiol in *Capsicum annum* fruits in response to non-specific elicitors. *Physiol. Plant Pathol.* 24 : 331.
- Wattad, C., Dinoor, A. and Prusky, D. (1994)** Purification of pectate lyase produced by *Colletotrichum gloeosporioides* and its inhibition by epicatechin : a possible factor involved in the resistance of unripe avocado fruits to anthracnose. *Mol.Plant-Microbe Interact.* 7 : 293 – 297.
- Wattad, C., Freeman, S., Dianoor, A. and Prusky D. (1995)** A nonpathogenic mutant of *Colletotrichum magna* is deficient in extracellular secretion of pectate lyase. *Mol.Plant-Microbe Interact.* 8 : 621 – 626.
- Werres, S. and Casper, R. (1987)** Detection of *Phytophthora fragariae* Hickman in roots of strawberry cultivar “Tenira” by enzyme linked immunosorbent assay(ELISA). *J.Phytopathol* 118: 367-369
- Werres, S. and Steffens,C.(1994)** Immunological techniques used with fungal plant pathogens, antibodies and assay for diagnosis. *Ann. Appl. Biol.* 125: 615-663.

White, J.G., Lyons, N.F., Wakeham, A.J., Mead, A. and Green, J.R. (1994) Serological profiling of the fungal genus *Pythium*. *Physiol. Mol. Plant Pathol.* **44** : 349 – 361.

Wijesunder, R.L.C., Bailey, J.A., Byrde, R.J.W. and Fielding, A.H. (1989) Cell wall degrading enzymes of *Colletorichum lindemuthianum* : their role in the development of bean anthracnose. *Physiol. Mol.Plant Pathol.* **34** : 403 – 413.

Wilcoxon, R.D. and Sudia, T.W. (1960). The influence of gibberellic acid on seedling blight of corn. *Plant Dig.Reporter.* **44** : 312.

Williamson, P.M., Than, K.A., Shrasithamparam, K., Cowling, W.A. and Edger, J. A. (1995) Detection of resistance to *Diaporthe toxica* in asymptotically infected lupin seedlings based on an immunoassy for *Phomopsis*. *Plant Pathol.* **44**: 95-97.

Wimalajeewa, D.L.S. and DeVay, J.E.(1971) The occurrence and characterization of a common antigen relationship between *Ustilago maydis* and *Zea mays*. *Physiol. Plant Pathol.***1**: 523-535.