

REFERENCES

- Abd El-Al, H.R. (1969).
Pathological, physiological and histological studies on Sclerotium rolfsii (Sacc.) the causal organism of potato tubers soft-rot and its control.
M.Sc., Agric., Al-Azhar Univ., 103pp.
- Abd El-Monem, A.M. (1969).
Studies on root-rot disease of broad-bean in Egypt.
M.Sc., Agric., Ain Shams Univ., 74pp.
- Acimovic, M. (1962).
Macrophomina phaseoli as a causal agent of sunflower wilt in vojvodina.
Zast. Bilja (Plant Prot., Beograd), (69-70): 125-138, (Engl. Summ.).
(c.f., R.A.M., 43:149, 1964).
- _____. (1964).
The occurrence of Macrophomina phaseoli on some agricultured crops and morphological and ecological properties of the parasite.
Sov. Poljopr., 12 : 55-66.
(c.f. R.A.M., 45:250, 1966).
- Acuna, P.R., G.B. Latorre, and E.L. Cancino (1975).
Translocation of systemic fungicides in sunflower (Helianthus annuus L.) and its action on Sclerotinia sclerotiorum (Lib) de Bary. Agricultura Técnica 15:35 - 40 Min. Agric., Santiago, Chile.
(c.f. R.P.P., 55:1137, 1975).

Alabouvette, C.; and P. Bremeersch (1975).

Two new diseases of sunflower crops in France.
Cent. Rech. Agron., Dijon, France. 61 626-636.

(C.f. R.P.P., 55:618, 1976).

Al-Beldawi, A.S., and T.A. Hinckard (1970).

Control of Rhizoctonia solani on cotton seedlings by means of a derivative of 1,4-oxathiin.

Pl. Dis. Rept., 54 : 524-528.

_____, and B.K. Welleed, (1973).

Chemical control of Rhizoctonia solani Kuhn on cotton seedlings. *Phytopathologia Mediterranea* 12 - 87-88.

Allam, A.I., P.E. Schilling, and J.B. Sinclair (1969).

Uptake of vitavax (DCMO) by germinating cotton seeds.

Phytopathology, 59 : 265-266.

_____, and J.B. Sinclair (1969).

Degradation of DCMO (vitavax) in cotton seedlings.

Phytopathology, 59 : 1548.

Apou-Talib, E.M.E. (1970).

Studies on ground-nut diseases in U.A.R.
M.Sc., Agric., Alex. Univ., 84 pp.

Ashour, W.A., and I.F. Gamal El-Deen (1961).

Damping-off disease of some ornamentals:
Studies of the causal organisms and their
pathogenicity.

Ann. Agric. Sci., 6 : 77-97.

Ayeres, W.A., G.C. Papavizas, and A.F. Diem (1966).

Polygalacturonate trans-eliminase and
polygalacturonase production by Rhizoctonia
solani.

Phytopathology, 56 : 1007-1011.

Barker, K.R. (1961).

Factors affecting the pathogenicity of
Pellicularia filamentosa.

Phytopathology, 53 : 441, 1963.

Bateman, D.F. (1963).

Pectolytic activity of culture filtrate
of Rhizoctonia solani and extracts of
Rhizoctonia-infected tissues of bean.

Phytopathology, 53 : 197.

_____ and S.V. Bean (1965).

Simultaneous production and synergistic
action of oxalic acid and polygalacturonase
during pathogenesis by Sclerotium rolfsii.

Phytopathology 55 : 204-211.

_____ (1965).

Some characteristics of the cellulase
system produced by Sclerotium rolfsii sacc.

Phytopathology, 55 : 37-42.

Bekesi, P. (1970).

The appearance of Macrophomina phaseolina
in Hungary and damage to sunflower.

Novenyvedelem 6 : 304-307 (Hung. agric.
Rev.).

(c.f., R.P.P., 51 : 325, 1972).

~~Severgy~~ J.Voros, and O.H. Calvert (1970).

Macrophomina phaseoli in Hungary damaging
sunflower.

Pl. Dis. Raptr., 54 : 286-287.

Blair, I.D. (1943).

Behaviour of the fungus Rhizoctonia solani
Kuhn in the soil.

Ann. Appl. Biol., 30 : 118-127.

Bouhot, D. (1967).

Observations on some diseases of Cultivated
plants in senegal.

Agron. trap., 22 : 888-890. (I.N.R.A.).

(c.f. R.A.M., 47 : 23, 1968).

Britton-Jones, H.R., and R.E.D. Baker (1933).

Notes on some other fungous diseases in
Trinidad.

Trap. Agriculture, xi, 5, pp. 67-68, 2 pl.,
1934.

(c.f. R.A.M., 13 : 544, 1934).

Bruni, O. (1971).

Effect of benlate and vitavax on wheat, sunflower and Flax rusts and verticillium disease of sunflower.

Infme tes. Inst. nac. tecnol. agropec. 104. (c.f. R.P.P., 51 : 556, 1972).

Chan, Y.H., and W.E. Sackston (1967).

Translocatable toxic substance produced on sunflower by Sclerotium bataticola Waub. Phytopathological Society. University of ottawa, thirty-third Meeting of the canadian Ontario, May 31-June 2, Abs. in Proc. Can. Phytopath. Soc., 34 : 15-26. (c.f. R.A.M., 47 : 179, 1968).

_____, (1969).

Mechanisms of pathogenesis in Sclerotium bataticola on sunflowers.

Diss. Abstr., 29 : 4469 B. (Mcgill Univ., Canada.).

(c.f. R.P.P., 49 : 594, 1970).

_____, and W.E. Sackston (1970).

Mechanisms of pathogenesis in Sclerotium bataticola on sunflowers. II. pectolytic and cellulolytic enzyme production in vitro and in vivo.

(Can. J. Bot. 49 : 1073-1077).

(c.f. R.P.P., 50 : 241, 1971).

Chan, Y.H., and W.E. Sackston (1972).

Production of pectolytic and cellulolytic enzymes by virulent and avirulent isolates of Sclerotium bataticola during disease development in sunflowers.

(Canadian Journal of Botany 50 : 2449 - 2453.
(c.f. R.P.P., 52 : 462, 1973).

_____, _____ (1973).

Penetration and invasion of sunflower by Sclerotium bataticola, Canadian Journal of Botany 51 : 999-1002.

(c.f. R.P.P., 52 : 736, 1973).

_____, _____ (1973).

Nonspecificity of the necrosis-inducing toxin of Sclerotium bataticola. Canadian Journal of Botany 51 : 690-692.

(c.f. R.P.P., 52 : 665, 1973).

Gestache, M. (1972).

Cucumber wilt caused by Fusarium oxysporium f.sp. cucumeris even in the glasshouse.

Publ. : 161 - 173, 1974.

(c.f. R.P.P., 54 : 776, 1975).

David, E.B., and E.B. Sinclair (1968).

Evidence for systemic protection against Blight solani with vitavax in cotton seedlings.

Phytopathology, 58 : 976-980.

- Dawson, D.C., and M.A. Stakman (1960).
Role of pectic enzymes in susceptibility
and resistance to Fusarium and verticillium
wilt of plant.
Phytopathology, 50 : 633.
- El-Bigawi, Thouraya, A. (1969).
Studies on some fungi causing soil and seed
borne diseases of rice plants in U.A.R.
M.Sc., Agric., Ain Shams Unive., 161 pp.
- El-Helaly, A.F., et al. (1966).
General survey of plant diseases and
pathogenic organisms in the U.A.R. (Egypt)
Until 1965.
Alex., Jour. Agric. Res. Bull., No. 15.
- El-Kazzaz, M.K., A.E. Aly, and A.M. Tarabeih (1977).
Effect of certain modern seed treatment
fungicides on rice seed and soil borne
fungi.
Proc. 2nd Arab pesticide conf., Tanta
Univ., 1977.
- Elzarka, A.M. (1976).
Diseases of sunflower in A.R.Egypt their
occurrence and incidence.
Second congress of the egyptian phytopa-
thological society (1976).

Fadl, F.A., and M.A. Hessien (1977).

Chemical control of root rot and wilt diseases of soybean in Egypt.

Proc. 2nd Arab Pesticide conf., Tanta Unvi., 1977.

Gamal El-Din, I.F., I.S. Elewa, and K.G.M. Ahmed (1975).

Studies on root-rot of strawberry in ARE.

Part. 1-Effect of fungicides.

Ann. Agric. Sci., Moshtohor, 3 : 51-61.

Garrett, S.D. (1950).

Ecology of the root-inhabiting fungi.

Biol. Rev., 25 : 220-254.

_____, (1956).

Biology of root-infecting fungi.

1st et. combridge University Press, London.

Gooding, G.V., and G.B. Lucas (1959).

Effect of inoculum level on the severity of tobacco black shank.

Phytopathology, 49 : 274-276.

Gordon, W.L. (1959).

The occurrence of *Basidiomycetes* species in Canada. VI. Taxonomy and geographic distribution of *Basidiomycetes* species on plants, insects, and fungi.

Canad. J. Bot., 37 : 257-290.

(C.F. M.A.M., 35 : 290, 1959).

Hancock, H.G. (1968).

Degradation of pectic substances during pathogenesis of Fusarium solani f. sp. cucurbitae.

Phytopathology, 48 : 1.

Higginis, B.B. (1927).

Physiology and parasitism of Sclerotium rolfsii.

Phytopathology, 17 : 417-448.

Hoffmaster, D.E., et al (1943).

The problem of dry rot caused by

Macrophomina phaseoli

(= Sclerotium bataticola).

Phytopathology, 33 : 1113-1114.

Hulea, A., H. Tliescu, and S. Bunesu (1973).

Detection of an unusual fungal complex pathogenic on sunflower in Rumania.

Probleme de prozeetia plantelar 1 : 73-85.

(c.f. R.P.P., 52 : 103, 1973).

Hussain, A. (1958).

Production of cellulytic enzymes by

Helicium rolfsii.

Phytopathology, 48 : 338.

and A.E. Diamond (1958).

Production of cellulase by Fusarium

solani f. lycopodium.

Phytopathology, 48 : 253-257.

Khane, M.N., S.C. Agrawal, L.S.Kushwaha, and K.S. Tomar (1974).

Evaluation of fungicides for the control of wilt of lentil caused by Sclerotium rolfsii.

Indian phytopathology 27 : 364-366.

(c.f. R.P.P., 55 : 564, 1976).

Khristova (1962).

Some new diseases of plants.

Rast. Zasht., 10 : 27-29

(c.f. R.A.M., 43 : 78, 1964).

Kiewnick, L. (1969).

Action of systemic fungicides on some basidiomycetes . Twenty-first international symposium on phytophormacy and phytiatry, 6 May 1969.

(c.f. R.P.P., 49 : 470, 1970).

Kirk, B.T., J.B.Sinclair, and E.N.Lambrement (1969).

Translocation of C-labelled chloroneb and DDT in cotton seedling.

Phytopathology, 59 : 1473-1476.

Kirkpatrick, B.L., and J.B.Sinclair (1976).

The effect of concentration, exposure time and age of plant on uptake and translocation of two systemic fungicides in soybean.

Phytopathology, 66 : 103-105.

Lerroux, P., and M. Gredt (1972).

Contribution to the study of the systemic action of benzimidazole -2- methyl carbamate (B.M.C.), benomyl and thiophanate methyl. Phytiatric-Phytopharmacie 21 : 237-254. (c.f. R.P.P., 53 : 81, 1974).

Linford, M.B. (1931).

Studies of pathogenesis and resistance in pea wilt caused by Fusarium orthoceras var. Pisi.
Phytopathology, 21 : 797-876.

Linnaasalmi (Annikki) (1952).

Damping-off on herbaceous vegetables and ornamental plants grown under glass in Finland.

Ann. Soc. Zool. Bot. fenn. vanamo, Sect. Bot., 26 : 1-120.

(S.F.R.S.M., 32 : 412, 1953).

Luciano, A., and M. Davreux (1967).

Sunflower production in Argentina.

Publicat. exp. pergamino 37 : 53.

(C.F. R.S.M., 47 : 226, 1968).

Mansour, I.M.S.K. (1969).

Studies on stalk-rot of maize in U.A.R. Further investigations on the late-wilt and bundle diseases. Ph.D. Thesis, Faculty of Agric., Cairo Univ., U.A.R.

Marengo, L.V. (1942).

Fusariosis of the sunflower.

Rev. Fac. Agron., B. Aires., x,1 : 130-147.

(c.f. R.A.M., 22 : 361, 1943).

Marras, F. (1963).

Groundnut, Sunflower, and cowpea, new hosts for Macrophomina Phaseoli in Sardinia.

Note Fito pat. Sard., 3 : 10.

(c.f. R.A.M. 43 : 78, 1964).

Martin, J. (1973).

The effect of cultures condition on mycelial growth and activity of pectic and cellulolytic enzymes of Rhizoctonia solani kuhn.

128 : 1-11. Inst phytopath, Justus Liebig Univ., Giessen, German Federal Republic.

(c.f. R.F.P., 53 : 446, 1974).

Mathur, S.B. (1968).

Production of toxins and pectolytic enzymes by two isolates of Sclerotium bataticola Tuck. and their role in pathogenesis.

Path. Path. L., 68 : 327-333.

(c.f. R.F.P., 48 : 75, 1969).

Marxell, R.S., and R.P. Bateman (1968).

Influence of carbon source and pH on oxalate accumulation in culture filtrates of

Sclerotium bataticola

Phytopathology, 58 : 1351-1355.

Middleton, K.J. (1971).

Sunflower diseases in south queensland.

Qd agric. J. 97 : 597-600.

(c.f. R.P.P., 51 : 475, 1972).

Morton, D.J., and W.H. Stroube (1955) .

Anatagonism and stimulatory effects of
microorganisms upon Sclerotium rolfsii.

Phytopathology, 45 : 417 - 420.

Mostafa, M.A., M.S. Naim, and S.K. Moawad. (1957).

Studies on the interaction between

Fusarium oxysporum schlecht and

Macrophomina phaseoli (Maubl.). Ashby

in parasitizing "Karnak" and "Giza 30"

cotton varieties and in cultures. 11.

pathogenicity of Fusarium and Macrophomina,

Singly and in association, under different

nitrogenous manurial treatments.

The third Arb Sci. Cong., 10 -20 Sept.,

1957, Beirut : 57 - 67.

Mousa, Olfet, M. (1968).

Studies on root-rot of beans caused by

Macrophomina phaseoli Maubl.

M.Sc. Thesis., Cairo Univ., 84 pp.

Mukhopadhyay, A.K. and R.F. Thomas (1971).

Control of Macrophomina root rot of sugarcane
with fungicidal fungicides.

Pl. Dis. Reptr., 55 : 630-634.

Nour El-Din, M.S., and M.S.Sharkas (1963).

Pectolytic enzyme activity of Rhizoctonia solani.

Phytophath. Z., 48 : 439-444.

Papavizas, G.C., and C.B. Davey (1960)

Rhizoctonia disease, of beans as affected by decomposing green plant materials and associated microflora.

Phytopathology, 50 : 516.

Pastorino, A. (1965).

A polyphagous fungus: Sclerotium rolfsii.

Biol. Abstr., 46 (19).

(c.f. R.A.M., 45 : 143, 1966).

Paulus, A.O., J.Nelson, T.Dewolfe, J. House, and

F. Shibuya (1973). Non mercury fungicides for control of seedling disease of cotton.

California Agriculture 27 : 9-10

(c.f. R.P.P., 53 : 397, 1974).

Peterson, C.A., and L.V. Edgington (1969).

Quantitative estimation of fungicides benomyl, using microphotograph technique.

J. Agric. Food Chem., 17 : 898-899.

(1970).

Transport of the systemic fungicides, benomyl, in bean plants. Phytopathology, 60 : 475-478.

Radha, K. (1956).

Soil conditions and root diseases. XVI.
Colonization and survival of Macrophomina
phaseoli (Maubl.) Ashby in trace element
amended soils.
Jour. Indian Bot. Soc., 35 : 47-52.

Rao, A.S. (1959).

A comparative study of competitive
saprophytic ability in twelve root infecting
fungi by an agar plate method.
Trans. Brit. mycol. Soc., 42 : 97-111.

Rao, A.S., and M.V.Rao (1963).

Inoculum potential and the fusarid wilt
of cotton.
Nature, London, 200 : 598-599.

Reinking, O.A., and M.M. Manns (1933).

Parasitic and other Fusaria counted in
tropical soils.
(c.f. R.A.S., 13 : 128, 1934).

Roy, V.W., and J.W. Laughlin (1948):

Isolation and infection tests with seed -
and soil-borne cotton
Phytopathology, 38 : 233-238.

Roy, A.K., and P.K. Ghosh (1973).

New records of Stem rot diseases
of rice.
Sankhyā, 35 : 1-11.
(c.f. R.A.S. 35 : 1-11, 1973).

Sabet, K.A., et al (1961).

Investigation on root and stalk-rots of
maize in Egypt (Etiological studies).
Min. Agric. Tech. Bul.

_____, A.S.Samra, and N.A. Dawood (1966).

Investigations on stalk-rot diseases of
maize in U.A.R. combined infection with
stalk rot fungi.
Plant Prot. Dept., Ministry of Agric.,
U.A.R., Bull., 195 - 204.

_____, and I.D.Khan (1969a).

Competitive saprophytic ability and
inoculum potential of cotton root-infecting
fungi in five soils.
Cott. Gr. Rev., 46 : 119-133.

_____, and I.D.Khan (1969b).

Interaction of cotton root-infecting fungi.
cott. Gr. Rev., 46 : 210-222.

Sackston, W.E. (1957).

Diseases of sunflowers in Uruguay.
Pl. Dis. Rept., 41 : 885-889.

_____, (1958).

Black rot of sunflower in Uruguay
caused by *Sclerotinia sclerotiorum* Link.
Ann. Entomol. Soc. Amer., 51 : 28-31.
(S. C. Sackston, 1958, 1959).

Sayed, Fawzia A. (1966).

Studies on the nature of pathogenicity
of some Rhizoctonia solani isolates to
different host plants.

M.Sc., Sci., Cairo Univ., 92 pp.

Sen, B., and I.J. Kapoor (1974).

Chemical control of Fusarium wilt of
tomato.

Pesticides 8 : 40-42. IARI, New Delhi
India.

(c.f. R.P.P., 54 : 362, 1975).

Shanmagan, N., and C.V. Govindaswamy (1973).

Control of Macrophomina root rot of
groundnut.

Madras Agricultural Journal 60 : 500-503
India.

(c.f. R.P.P., 54 : 378, 1975).

Sharma, M.S. (1963).

Studies on tomato damping-off disease
caused by Rhizoctonia solani Kuhn.

M.Sc. Thesis, Cairo Univ., 144 pp.

Siddiqui, M.A., and I.J. Kapoor (1975).

Root rot of tomato associated with the
development of a new variety.

Proceedings of the International Symposium
on Plant Pathology, 1975, New Delhi.

Govt. of India, New Delhi.

Siegel, M.R., and A.J. Zebbia (1971).

Distribution and metabolic fate of benomyl
in dwarf pear plants.

Phytopathology, 61 : 910-911.

Simmonds, J.H. (1956).

Science Branch. Plant Pathology section.

Rep. Dept Agric. Q1, 1955-56, 65-66.

(c.f. R.A.M., 36 : 307, 1957).

Singh, R.K., and R.K. S. Wood (1956).

Studies in the physiology of parasitism

xxI. The production and properties of

pectic enzymes secreted by Fusarium

moniliforme sheldon.

Ann. Botany (London) 20 : 89-103.

Sivaprakasam, K., K. Pillayarsamy, and S. Ayyumperumol
(1975).

Studies on sunflower root rot disease -

11. Effect of seed treatment.

Madras Agricultural Journal 62 : 73-75.

(c.f. R.E.P., 55 : 1030, 1976).

Stine, M.H. (1959).

Studies on Fusarium diseases of watermelon
in Egypt.

Ph.D. thesis., Cairo Univ., 190 pp.

Thapliyal, P.N., and J.B. Shrivastava (1971).

Translocation of benomyl, carbendazim and
chlorobenzyl in cotton seedlings.

Phytopathology, 61 : 1001-1002.

Topps, J.H., and R.L. Wain (1957).

Ann. Appl. Biol., 45 : 506.

Tseng, T.T., and S.L. Lee (1969).

Proteolytic enzymes produced by
phytopathogens in vitro.

Bot. Bull. Acad. Sin., Taipei, 10 : 125-129
(c.f. R.P.P., 49 : 340, 1970).

Vasudeva, R.S. (1930).

Studies on the physiology of parasitism
xii. on the effect of one organism in
reducing the parasitism activity of another.
Ann. Bot., 44 : 557-564.

Venkataram, C.S. (1955).

Soil fusaria and their pathogenicity.
Proc. Indian Acad. Sci., Sect. B, 42,
4, pp. 129 - 144.
(c.f. R.A.M., 35 : 326, 1956).

Vir, D., S. Gangopadhyay, and A. Gaur (1972).

Evaluation of some systemic fungicides
and antibiotics against Macrophomina
phaseoli.

Pesticides 6 : 25 - 36 IARA, New Delhi,
India.

(c.f. R.P.P., 53 : 347, 1974).

Waggoner, P.E., and E.C. Diamond (1955).

Production and role of extracellular peptic
enzymes by Aspergillus fumigatus f. terrestris.
Phytopathology 45 : 343-347.

Wastie, R.L. (1961).

Factors affecting competitive saprophytic colonization of the agar plate by various root-infecting fungi.

Trans. Brit. Mycol. Soc., 44 : 145-159.

Weber, G.F. (1931).

Blight of carrot caused by Sclerotium rolfsii with geographic distribution and host range of the fungus.

Phytopathology, 21 : 1129-1140.

Wood, R.K.S. (1951).

The Control of diseases of lettuce by the use of antagonistic organisms. II-The control of Rhizoctonia solani kuhn.

Ann. Appl. Biol., 38 : 217-230.

Youssef, Y.A. (1964).

Studies on Fusarium wilt of cotton 1-Production of pectinases, cellulases and growth promoting substances.

Phytopathologia mediterranea, 3 : 71.

Zaged, M.A. (1967).

Studies on some fungi causing root-rot of ground nut in U.A.R.

M.Sc. Thesis, Ain Shams Univ., 76 pp.