

LITERATURE CITED

- Abo-el-Dahab, M. K. and El-Ghorani, M. A. (1972). "Catalase activity of virulent and avirulent strains of Pseudomonas solanacearum." Phytopathology, 62 : 294 - 295.
- Aleksiev, A. (1967). "Possibilities of simultaneous chemical control of blue mold and bacterial blight of tobacco." Bulg. Tyutyun, 5 : 10 - 13. (Rev. Appl. Mycol., 47:526).
- Amani (1967). "Soft rot of ornamentals and vegetables." Iran Jnl. Pl. Path., 4 (2) : 1 - 10 (Rev. Appl. Mycol., 47 : 606) .
- Barakat, F. M. (1963). "Studies on the bacterial wilt disease of potato caused by Pseudomonas solanacearum (E.F.Sm.) E. F.Sm." M. Sc. Thesis, Faculty of Agriculture, Cairo University .
- Baritt, M. M. (1936). "The intensification of the Voges Proskauer reaction by the addition of alpha naphthol." J. Pathol. Bacteriol., 42 : 441 .
- Bel'tyukova, K. G., Korol'ova, I. B., and Samoilenko, V. I. (1966). "Action of framycin on phytopathogenic bacteria in in vitro tests." J. Mykrobiol. Zh., 28 (6) : 11 - 16. (Rev. Appl. Mycol., 46 : 2609) .
- Bergey's Manual of Determinative Bacteriology. (1957), 7th ed. Edited by Breed, R. S., Murray, E.G.D., and Smith, N.R., London, Baillier, Tindall, and Cox .
- Bergey's Manual of Determinative Bacteriology. (1974), 8th ed. Edited by Buchanan, R. E. and Gibbons, N. E. et al., The Williams and Wilkins Company, Baltimore .

- Bonde, R. and Souza, P. (1954). "Studies on the control of bacterial seed piece decay and black leg with antibiotics." *Am. Potato J.*, 31 : 316. (Rev. appl. Mycol., 34 : 742) .
- Brukholder, W. H. (1954). "Three bacterial pathogenic on head lettuce in New York State." *Phytopathology*, 44: 592-596.
- Burton, C. L. (1971). "Bacterial soft rot and black spot disease of Bok choy (Chinese chard)." *Plant Dis. Repr.*, 55 : 1037 - 1040 .
- Casarini, B. and Silvestri, G. (1959). "Control trials against Pseudomonas tomato." *Industr. Ital. Cons. Aliment.*, 34 (1) : 20 - 22 (*Biol. Abstr.*, 37 (4) : 1575) .
- Ceponis, M. J. and Friedman, B. A. (1959). "Pectolytic enzymes of P. marginales and their effects on lettuce." *Phytopathology*, 49 : 141 - 144 .
- Ceponis, M. J., Kaufman, J., and Butterfield, J. E. (1970). "Relative importance of gray mold rot and bacterial soft rot of western lettuce on the New York market." *Plant Dis. Repr.*, 54 : 263 .
- Chakravarti, B. P. and Hedge, S.V. (1972). "Occurrence of bacterial soft rot in black rot affected cabbage plants in Udaipur Rajasthan." *Indian Phytopathology*, 25 (1) : 118 - 122. (Rev. Appl. Mycol., 52 : 552.) .
- Chiu, S.F. and Yuen, C.S. (1956). "The rate of wound suberization of chinese cabbage in relation to resistance to the bacterial soft rot infection". *Acta Phytopath. Sinica*, 2(1) : 55-65. (Rev. Appl. Mycol. 32 : 61).
- Chiu, W.F., Yuen, C.S., and Wang, C.K. (1955). "Effect of insect control on the development of soft rot of chinese cabbage in the field". *Acta phytopath. Sinica*, 1(1) : 71 - 78. (Rev. Appl. Mycol. 32 : 60).

- Collins, C.H. (1967). "Microbiological methods". Butterworth and Co. Ltd. Second edition.
- Colowick, S.P. and Kaplan, N.O. (1955). "Methods in enzymology" Vol. II. 987pp. Academic press, Inc. New York.
- Cunningham, A. (1947). "Practical Bacteriology" Oliver and Boyd, Edinburgh.
- Darweish, F.A.M. (1966). "A study of the genus Pseudomonas with special reference to the species pathogenic to plants." Ph.D. Thesis, Edinburgh University.
- Del Prado, F. A. (1959). "Annual report." Meded. Londb Proefst. Suriname 22, 116 pp. (Rev. Appl. Mycol., 40 : 395-396).
- Digat, B. (1971). 3 The significance of catalase activity in Pseudomonas solanacearum E.F.Sm. "Third International Conference on Plant Pathogenic Bacteria. Wageningen, The Netherlands .
- Dingle, J., Reid, W.W., and Solomons, G. L. (1953). "The enzymatic degradation of pectin and other polysaccharides. II - Application of the "Cup plat" assay in the estimation of enzymes." J. Sci. Ed. Agric., 4 : 149. (Cited from Dye, I. W., 1960) .
- Doane, J. F. and Chapman, R.K. (1964). "The relation of the cabbage maggot, Hylemia brassicae (Bouche), to decay in some cruciferous crops." Entomologia Exp. Appl., 7 (1) : 1 - 8. (Rev. Appl. Mycol., 44 : 170) .

- Dowson, W.J. (1957). "Plant Diseases due to Bacteria", 2 nd ed. 232 pp. University Press, Cambridge.
- Dye, D.W. (1953) "Control of soft-rot (Erwinia carotovora (Jones) Holland) in Carrots during transit and in storage". N.Z.J. Sci. Tech., Sect. A, 34 (5) : 465 - 467. (Rev. Appl. Mycol., 32 : 532).
- Dye, D.W. (1954). "Preliminary field trials to control blast of stone fruit (Pseudomonas syringae Van Hall)". N.Z.J. Sci. Tech., Sect. A, 36 : 331 - 334. (Rev. Appl. Mycol., 34 : 653).
- Dye, D.W. (1960). "Pectolytic activity in Xanthomonas". New Zealand Journal of Science, 3 : 61 - 69.
- El-Helaly, A.F., Abo-el-Dahab, M.K., and El-Kazzaz, M.K. (1969). "Effect of some fungicides on certain phytopathogenic bacteria" J. Phytopathology, U.A.R., 1 : 81 - 92.
- El-Helaly, A.F., Abo-el-Dahab, M.K., and Gabre, M.R.M. (1971). "The effect of certain biological and chemical factors on the root nodulation of certain leguminous plants". J. Phytopath., U.A.R., 3 : 1 - 16.
- El-Sadek, S.A.M. (1976). "Studies on a new bacterial diseases of Dieffenbachia picta Schott". M.Sc. Thesis, Faculty of Agriculture at El-Minya, Assiut University.
- Ewing, W.H. (1962). "Enterobacteriaceae. Biochemical methods for group differentiation". U.S. Dept. Health, Education and Welfare.
- Friedman, B.A. (1951). "Pseudomonas marginalis as the cause of soft rot of imported Witloof Chicory". Phytopathology, 41 : 880 - 888.

- Friedman, B.A., Ringel, S.M. and Jaffe, M.J. (1958). "Bacterial fleck of cabbage". *Phytopathology*, 48 : 261 (abstr.).
- Gane, A.J. (1964). "Halo blight". *Misc. Publ. Pea Grg Res. Org.* 15,4 pp. (Rev. Appl. Mycol., 44 : 174).
- Gorlenko, M.V. (1970). "The most important types of natural foci of diseases of cultivated plants". *Biol. Nauki*, 13 (3) : 103 -106. (Rev. Appl. Mycol., 49 : 483).
- Gass, (Olga) M. (1962). "Hibiscus leaf spot". *J. Agric. W. Austr.*, Ser. 4,3,7, p. 519. (Rev. Appl. Mycol. 42 :127).
- Goto, M. (1956). "A rot disease of cabbage due to Pseudomonas marginalis". *Agric. & Hort.*, Tokyo, 31 (11) : 1547 - 1548 (Rev. Appl. Mycol., 36 : 293).
- Hackel, E. (1960). "Zur Aetiologie einer Weichfaule des Chinokohls. (On the etiology of a soft rot of Chinese Cabbage.)" *Phytopath. Z.*, 39 (4) : 361 - 388. (Rev. Appl. Mycol., 40 : 443 - 444).
- Harborne, J.B. (1964). "Phenolic glucosides and their natural distribution." In "Biochemistry of phenolic compounds." Academic press, London N.Y.P. 129.
- Heuberger, J.W., Comeoys, W.R., and Romarko, R.R. (1956). "Captan and zineb used alone, in alternation and in combination and the control of apple diseases." *Plant Dis. Reptr.*, 40 : 467.
- Hildebrand, D.C. and Joubert, J.J. (1969). "Induction of B-glucosidase and utilization of glucosides by certain pseudomonas". *Phytopathology*, 59 : 1030. (abstr.).

- Hildebrand, D.C. and Schroth, M.N. (1964). "B-glucosidase activity in phytopathogenic bacteria". Appl. Microbiology, 12 (6) : 487 - 491. (Rev. Appl. Mycol., 44 : 186).
- Joubert, J.J., Hildebrand, D.C., and Schroth, M.N. (1970). "Non-utilization of beta-glucosides for growth by fluorescent pseudomonads." Phytopathology, 60 : 502 - 512.
- Katznelson, H. and Sutton, M.D. (1951). "Inhibition of plant pathogenic bacteria in vitro by antibiotics and quaternary ammonium compounds." Canad. J. Bot., 29 (3): 270 - 278. (Rev. Appl. Mycol. 31 : 480).
- Keil, H.L. and Weaver, L.O. (1970). "Grower trials with oxytetracycline for control of peach bacterial spot in Maryland." Plant Dis. Repr., 54 : 208.
- Keil, H.L. and Wilson, R.A. (1962). "Six years of testing streptomycin oxytetracycline for control of fire blight on Bartlett pear. Plant Dis. Repr., 46 (6) : 397 - 400.
- Kikumoto, T. and Sakamoto, M. (1969). "Ecological studies on the soft-rot bacteria of vegetables. VI. Influence of the development of various plants on the survival of Erwinia arorideae added to the soil." Ann. Phytopath. Soc. Japan, 35(1) : 29 - 35; 36 - 40. (Rev. Appl. Mycol. 48 : 402).
- Kiraly, Z. Klement, Z., Solymosy, F., and Voros, J. (1970). "Methods in plant pathology with special reference to breeding for disease resistance." 509-pp., Budapest, Akademiai Kiado., (Rev. Appl. Mycol., 50 : 282).

- Klement, Z., Farkas, G.L., and Lovrekovich, L. (1964). "Hypersensitive reaction induced by phytopathology genic bacteria in the tobacco leaf." *Phytopathology*, 54 : 474 - 477.
- Knosel, D. (1967). "The suitability of emulsified oils as additives to buffered antibiotic solutions in the control of bacterial infections." *Nachr Bl. dt. PFLSchutzdienst., Stuttg.*, 19 (11) : 164 - 166. (Rev. Appl. Mycol. 47 : 184).
- Knosel, D. and Thill, H. (1966). "On the occurrence of stone fruit bacterial disease(P. syringae) in S.W. Germany in 1965 and preliminary control tests." *Z. PFLKrankh. PFLPath. PFLSchut* 2,73 (5) : 266 - 270. (Rev. Appl. Mycol. , 46 : 1045).
- Manual of Microbiological Methods. (1957). "The Society of American Bacteriologists.
- Morgan, B.S. and Goodman, R.N. (1955). "In vitro sensitivity of plant bacterial pathogens to antibiotics and antibacterial substances. "Plant Dis. Reprtr. 39 : 487 - 490.
- Muller, A.S. (1953). "Plant disease problems in Central America ." *P.A.O.PL. Prot. Bull.*, 1, 9, pp. 136 - 138. (Rev. Appl. Mycol. 33 : 281).
- Muller, H.T. and Skiebe, K. (1962). "On relationships between bacterial rot and aphid infestation of Chinese Cabbage, Brassicae pekinensis Rupr., and their significance for the breeder." *Zuchter*, 32 (4) : 210 - 215 (Rev. Appl. Mycol. , 42 : 285).

- Oshima, N. and Dickens, L. (1968). "Diseases of canning crops in Colorado." Plant Dis. Repter., 52 : 542.
- Robbs, C.F. (1960). "Bacterias fitopatogenicas no Brasil. (Phytopathogenic bacteria in Brasil)." Inst. Econ. rural, Rio de J. Ser. Divulg. Pesq., 2, 63 pp. (Rev. Appl. Mycol., 40 : 75).
- Rudakov, K.I., Staruigina (Meme.) L.P., and Shishlova (Meme.) N.A. (1950). "Soft rot of vegetables." Rep. Lenin Acad. Agric. Sci., 10 : 25 - 28. (Rev. Appl. Mycol., 30 : 595).
- Rudenko, N.M. (1970). "Bakteriozi muchnistaya rosa Ogurtsov. (Bacteriosis and powdery mildew of cucumber)." Zash. Rast., Mosk., 15 (9) : 58. (Rev. Appl. Mycol., 50 : 79)
- Rudolph, K. and Stahmann, M.A. (1964). "Interactions of peroxidase and catalase between Phaseolus vulgaris and Pseudomonas phaseolicola (Halo blight of bean)." Nature, 204 : 474.
- Rushdi, M.H., Darwish, F.A.M. and Sellam (1972). "Toxicity of some fungicides and antibiotics to soft rot inducing Erwinia species." Egypt. J. Phytopathol., 2 : 9 - 14.
- Sabet, K.A. (1952). "Methods for demonstrating the peptolytic action of phytopathogenic bacteria." Bull. Fac. Agric. Egypt Univ. 14 , 34 pp. (Rev. Appl. Mycol., 35:478) .
- Sabet, K.A. (1954). "Non-sporing bacteria responsible for soft-rots and related diseases of vegetables." Reprinted from Proc. Egypt Acad. Sci., 10. (Rev. Appl. Mycol., 35 : 882).

- Sabet, K.A. and Dowson, W.J. (1951). "Action of phytopathogenic bacteria on pectate gel." *Nature, London*, 168 : 605.
- Schaal, L.A. and Johnson, G. (1955). "The inhibitory effect of phenolic compounds on the growth of Streptomyces scabies as related to the mechanism of scab resistance." *Phytopathology*, 45 : 626 - 628.
- Scherff, R.H. (1973). "Bacterial blight of soybeans as influenced by populations of yellow bacteria on leaves and buds." *Phytopathology*, 63 : 752 - 755.
- Shewan, J.M., Hodgkiss, W., and Liston, J. (1954). "A method for the rapid differentiation of certain non-pathogenic, asporogenous bacilli." *Nature, London*, 173, 4396, pp. 208 - 209. (*Rev. Appl. Mycol.*, 33 : 284).
- Shihata, Z.A. (1974). "Studies on common scab disease of potato." M. Sc. Thesis. Faculty of Agriculture. Assiut University.
- Shimizu (S.), Kanazawa (K.), and Kobayashi (T.) (1958). "Studies on the breeding of Chinese cabbage for resistance to soft rot. Part I. Difference of resistance among varieties under field conditions" *Bull. Nat. Inst. Agric. Sci., Kanagawa, Ser. E. 6*, pp : 775 - 108. (*Rev. Appl. Mycol.* 37 : 746).
- Smith, W.K. (1955). "The pectic enzymes of bacterial pathogens

of plants." J. Gen. Microbiol., 13,1, p. xi. (Rev. Appl. Mycol. 35 : 167).

Smith, W.K.(1958). "A survey of the production of pectic enzymes by plant pathogenic and other bacteria." J. Gen., Microbiol. 18 : 33. (Cited from Dye, D.W., 1960).

Stapp, C. (1961). "Bacterial plant pathogens." 292 pp. Oxford University Press, Amen House, London E. C. 4.

Summer, D.R. (1972). "Effect of freezing injury on head rot and spot of cabbage." Phytopathology, 62 : 322 - 325.

Tatsumi, C. and Miyaura, J. (1954). "An antibiotic from actinomycetes. I; Isolation of strains active against plant pathogenic microbes and antibiotics from Streptomyces A. 6 strain. II. Effectiveness of some antibiotics against Erwinia carotovora." J. Ferment. Technol., 32 : 1-7, 364 - 366. (Rev. appl. Mycol., 34 : 387 - 388).

Thayer, P.L. and Wehlburg, C. (1962). "Annual report of the agricultural experiment stations, Florida, For the year ending June 30, 1962." 399 pp. (Rev. Appl. Mycol., 42 : 236).

Thayer, P.L. and Wehlburg, C. (1964). "Annual report of the agricultural experiment stations, Florida, for the year ending June 30, 1964." 402 pp. (Rev. Appl. Mycol., 44 : 541).

- Thomas, W.D. and Henderson, W.J. (1952). "Spray experiments for the control of fire blight on apples and pears." Plant Dis. Rept., 36, 273. (Rev. Appl. Mycol., 32 : 83).
- Togashi, J. and Sakamoto, M. (1968). "Studies of the outbreak of the soft rot disease of Chinese cabbage by Erwinia aroideae (Townsend) Hall. (4). The effect of the seeding time of Chinese cabbage upon the establishment of inoculum source of the soft rot disease of Chinese cabbage in soil." Sci. Rept. Res. Inst., Tohoku Univ., Ser. D., 19 : 25 - 36. (Rev. Appl. Mycol., 47 : 535).
- Togashi, J. and Sakamoto, M. (1969). "Studies on the outbreak of the soft-rot disease of Chinese cabbage by Erwinia aroideae (Townsend) Hall. V. Factors affecting the outbreak of the soft-rot disease of Chinese cabbage." Bull. Inst. Agric. Res., Tohoku Univ., 20 (2) : 279 - 292. (Rev. Appl. Mycol., 50 : 367).
- Togashi, J. and Sakamoto, M. (1970). "Establishment of the inoculum source of the soft rot disease of Chinese cabbage in soil." Rep. Inst. Agric. Res., Tohoku Univ., 21 : 31 - 37. (Rev. Appl. Mycol., 50 : 64).
- Tsuyama, H. and Sakamoto, M. (1951). "Isolation methods of the soft-rot causing bacteria from the soil." Rep. Inst. agric. Res., Tohoku Univ., 3 : 29 - 34. (Rev. Appl. Mycol., 32 : 113 - 114).
- Volcani, Zafira (1962). "Occurrence of two bacterial disease

on new hosts in Israel." Plant Dis. Reptr., 46 : p. 893. (Rev. Appl. Mycol., 42 : 364).

Voronkevich, I.V., Matveeva, E.V., and Odintsova, M.A. (1972).

"The rhizosphere as the habitat of phytopathogenic bacteria. II. Significance of the rhizosphere in the life cycle of causal agents of soft rots." Biologicheskii, 15 : 103 - 109. (Rev. Appl. Mycol., 52 : 697).

Walker, J.C. (1969). "Plant pathology" 3rd ed., 819 pp. McGraw-Hill Book Company.

Walton, G.S. and Cappellini, R.A. (1962). "Pectolytic and cellulolytic enzymes produced by Erwinia carotovora." Phytopathology, 52 : 927 (abstr.).

Wehlburg, C. (1963). "A bacterial spot of cabbage caused by Pseudomonas cichorii." Proc. Fla. St. hort. Soc., 73 : 119 - 122. (Rev. Appl. Mycol., 44 : 242).

Wehlburg, C. (1965). "Bacterial spot of cabbage in Florida." Phytopathology, 55 : 1051 - 1058.

Wieringa, K.T. (1949). "A method of isolating and counting pectolytic microbes." Proc. 4th Congr. Int. Microbiol. 4 : 482. (Cited from Dye, D.W., 1960).

Williams, L.E. and Lockwood, J.L. (1956). "Control of bacterial wilt of cucumber by antibiotic sprays." Plant Dis.