CHAPTER 7

Agrios GN (2005). Plant Pathology (5th Edn), Elsevier Academic Press, Amsterdam, 92p.

Akem CN (2006). Mango anthracnose disease: Present status and future research priorities. Plant Pathology Journal 5: 266-273.

Alam SMK, Ahmed HU, Hossain MM, Hug MI, Hossain M (1989). Efficacy of different fungicides in controlling anthracnose and sooty mould disease in mango. Third Mango International Symposium at Darwin, Australia (Abstract) 61p.

Alberts B, Johnson A, Lewis J, Raff M, Roberts K, Walter P (2002). Molecular biology of the cell (4th ed.), A problems Approach. Garland Science, New York.

Alfieri SA, Jr-Langdon KR, Kimbrough JW, El-Gholl NE, Wehlburg C (1994). Diseases and disorders of plants in Florida. Bulletin No. 14. Florida Department of Agricultural and Consumer Services, Tallahassee, Florida.

Ali H, Ahmad K, Imran (2010). Incidence and severity of crown gall disease of Cherry, Apple and Apricot plants caused by *Agrobacterium tumefaciens* in Nagar valley of Gilgit-Baltistan. Pakistan Journal of Nutrition 9: 577-581.

Aloni R, Pradel KS, Ullrich CI (1995). The three-dimensional structure of vascular tissues in *Agrobacterium tumefaciens* induced crown galls and in the host stems of *Ricinus communis* L. Planta 196: 597-605.

Aloni R, Schwalm K, Langhans M, Ullrich CI (2003). Gradual shifts in sites of free-auxin production during leaf-primordium development and their role in vascular differentiation and leaf morphogenesis in *Arabidopsis*. Planta 216: 841-853.

Aloni R, Wolf A, Feigenbaum P, Avni A, Klee HJ (1998). The never ripe mutant provides evidence that tumor-induced ethylene controls the morphogenesis of *Agrobacterium tumefaciens* induced crown galls on tomato stems. Plant Physiology 117: 841-849.

Angulo SM, Villapudua JR (1982). Buba of Mango (*Mangifera indica* L.) in state of Sinaloa, Mexico (Abstract). Phytopathology 72: 171.

Anitha R, Suja A (2015). Pharmacognosy and phytochemical analysis of leaf galls of *Mangifera indica* L. International Journal of Pharmaceutics 2: 6301-305.

AOAC (2000). Official Methods of Analysis. 17th Edition, The Association of Official Analytical Chemists, Gaithersburg, MD, USA.

Arauz LF (2000). Mango Anthracnose: Economic impact and current options for integrated management. Plant Diseases 84: 600-611.

Arauz LR, Umana G (1986). Diagnosis and incidence of postharvest diseases of mango in Costa Rica. Agronomia Costarricense 10: 89-99.

Ark PA, Schroth MN (1958). Use of slices of carrot and other fleshy roots to detect crown gall bacteria in soil. Plant Disease Reporter 42: 1279-1281.

Arumuganathan K, Earle ED (1991). Nuclear DNA content of some important plant species. Plant Molecular Biology 9: 208-218.

Atsushi A, Tetsuya T, Yukio S, Chiemi A, Atsushi O (2020). First report of powdery mildew of mango caused by *Erysiphe quercicola* in Japan. Journal of General Plant Pathology 86: 316-321.

Aysan Y, Sahin F, Mirik M, Donmez MF, Tekman H (2003). First report of crown gall of apricot (*Prunus armeniaca*) caused by *Agrobacterium tumefaciens* in Turkey. Plant Pathology 52: 793.

Bally ISE (2006). *Mangifera indica* (Mango), ver. 3.1. In: Elevitch, C.R. (ed.). Species Profiles for Pacific Island Agroforestry. Permanent Agriculture Resources (PAR), Hōlualoa, Hawaii.

Banerjee GD (2011). Economics of mango cultivation. Occasional Paper 58:186, National Bank for Agricultural and Rural Development, Mumbai, India.

Barnard EL, Freeman TE (1982). Cylindrocarpon galls on red mangrove. Plant Pathology Circular No. 235.

Beardsley RE, Stonier T, Lipetz J, Parsons C (1966). Mechanisms of tumor induction in crown gall I. Production and pathogenicity of spheroplasts of *Agrobacterium tumefaciens.* Cancer Research 26: 1606-1610.

Bega RV (1964). Diseases of sequoia in: Disease of widely planted forest trees. Symposium on Internationally Dangerous Forests Diseases and Insects 131-139.

Berlyn GP, Miksche JP (1976). Botanical micro technique and cytochemistry. The Iowa State University Press, Ames, 326p.

Bhuiyan NH, Selvaraj G, Wei Y, King J (2009). Role of lignification in plant defense. Plant Signalling and Behavior 4: 158-159.

Blanchette RA (1991). Delignification by wood-decay fungi. Annual Review of Phytopathology 29: 381-398.

Bompard JM (2009). Taxonomy and systematics. In: R. Litz, Ed. The mango, botany, production and uses (2nd Edition), CAB International: Wallingford.

Bompard JM, Schnell RJ (1997). Taxonomy and systematics. In: R. Litz, Ed. The mango, botany, production and uses (2nd Edition), CAB International: Wallingford.

Bopp CA, Brenner FW, Wells JG, Strockbine NA (1999). Manual of clinical microbiology. 7th Edn. ASM press Washington DC, USA.

Bose SK, Sindhan GS, Pandey BH (1973). Studies on die back disease of mango in the region of Kumaon. Progressive Report 5: 41-53.

Bouzar H, Moore LW, Schaad NW (1983). Crown gall of *Agrobacterium* strains and potential for biological control in Georgia. Plant Disease 67: 310-312.

Brisbane PG, Kerr A (1983). Selective media for three biovars of *Agrobacterium*. Journal of Applied Bacteriology 54: 425-431.

Brown ME, Chang MCY (2014). Exploring bacterial lignin degradation. Current Opinion in Chemical Biology 19: 1-17.

Carlquist S. (2001). Comparative wood anatomy, Second Edition. Springer Verlag, Berlin and Heidelberg, Germany.

Chamandoosti F (2017). Defensive mechanisms in plants: The role of component plant cells in defense against biotic and abiotic stresses. International Journal of Environmental and Agriculture Research 3: 15-25.

Chand E, Rao BV (1954). A souvenir "The Mango" (T. Cheelapa, Ch. New finds pp 103-107), Department of Agriculture, Hyderabad, p 121. Published by Neo Silver Jubilee Press, Isamiah Bazar, Hyderabad, India.

Chander MS, Rao VK, Verghese A, Murthi GSR, Gaddagimath (2004). Fruits in nutritional security. Technical bulletin 18, Indian Institute of Horticultural Research, Bangalore.

Cheema GS, Bhat SS, Naik KG (1954). Commercial fruits of India. Macmillan & Co. Ltd., London.

Chen FC, Hseu SH, Hung ST, Chen MC, Lin CY (1999). Leaf, stem and crown galls on perennial asters caused by *Agrobacterium tumefaciens* in Taiwan. Botanical Bulletin of Academia Sinica, 40: 237-242.

Choudhary SP, Rajput KS (2018). Burl formation in *Mangifera indica* L. (Abstract). XXVIII Annual Conference of Indian Association for Angiosperm Taxonomy and International Symposium on Conservation of Angiosperm Diversity: Hidden Treasure of Today and Tomorrow, Department of Botany, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat.

Choudhary SP, Rajput KS, Saran PL (2020a). Effect of burl disorder on mango fruit yield and quality under western part of India (Abstract). National Conference on Integrated Plant Health Management in Fruit Crops Organized by Confederation of Horticulture Association of India (CHAI) Pusa, Bihar.

Choudhary SP, Saran PL, Gondaliya AD, Rajput KS (2021). Burl disease associated with mango cv. Rajapuri in different climatic zone of Gujarat (India). Indian Phytopathology (Accepted).

Choudhary SP, Saran PL, Rajput KS (2020b). Incidence and effect of burl disease associated with mango germplasm (Abstract). 7th International Conference, Phytopathology in Achieving UN Sustainable Developments Goals, IARI, New Delhi.

Choudhary SP, Saran PL, Rajput KS (2020c). A comparative study for bio-chemical composition of mango bark infected through burl disease (Abstract). 1st National Agrochemicals Congress Country's status on Various Fronts of Agrochemicals, IARI, New Delhi.

Choudhary SP, Saran PL, Rajput KS (2020d). Burl disease associated with different cv. of mango (Abstract). National web conference "PAAS" Perspective on Agricultural and Applied Science, on Life Science, Biomedical Science, and Biotechnological Aspects.

Chowdhury MNA, Rahim MA (2009). Integrated crop management to control anthracnose (*Colletotrichum gloeosporioides*) of mango. Journal of Agricultural and Rural Development 7: 115-120.

Coelho WCP, Santos CAF, Batista DC (2018). Inheritance of resistance to dieback disease in mango (*Mangifera indica* L.). Australian Journal of Crop Science 12: 467-471.

Coenye T, Vandamme P (2003). Intragenomic heterogeneity between multiple 16S ribosomal RNA operons in sequenced bacterial genomes. FEMS Microbiological Letters 228: 45-49.

Colhoun J (1973). Effects of environmental factors on plant disease. Annual Review of Phytopathology 11: 343-364.

Collins GN (1903). The mango in Puerto Rico. USDA Bureau of Plant Industry Bulletin 28p.

Cook AA (1975). Diseases of tropical and subtropical fruits and nuts. Hafner Press, New York 229-241.

Cook AA, Milbrath GM, Hamilton RA (1971). Woody gall and scaly bark of *Mangifera indica* in Hawaii. Phytopathology 61: 1320.

Crane PE, Hiratsuka Y (1994). Perennial stem galls of aspen caused by the popular bud gall mite, *Aceria parapopuli*. Canadian Journal of Pathology 16: 199-201.

Das SC, Datta M, Ray P, Singh SK, Jena RK, Das B, Ray SK (2019). Mango (*Mangifera indica* L.) cultivation in North-Eastern region of India. Advanced Agricultural Research and Technology Journal 1: 3.

De Candolle AP (1884). Origin of cultivated plants. Chapter II, Part I, Trench, London.

Dodd JC, Prusky D, Jeffries P (1997). Fruit diseases. In: R. Litz, Ed. The mango: botany, production and uses, CAB International: Wallingford, UK, 257-280.

Dsouza MR, Ravishankar BE (2014). Nutritional sink formation in galls of *Ficus glomerata* Roxb. (Moraceae) by the insect *Pauropsylla depressa* (Psyllidae, Hemiptera). Tropical Ecology 55: 129-136.

Dute RR, Duncan KM, Duke B (1999). Tyloses in abscission scars of loblolly pine. IAWA Journal 20: 67-74.

Elad Y, Pertot I (2014). Climate change impacts on plant pathogens and plant diseases. Journal of Crop Improvement 28: 99-139.

Faostat (2002). Mango: Post-harvest operations, food and agricultural organization of the United Nations, 4p.

Faostat (2016). FAO statistics, food and agriculture organization of the United Nations, Rome, Italy.

Farr DF, Bills GF, Chamuris GP, Rossman AY (1989). Fungi on plant and plant products in the United States. American Phyto-pathological Society Press, St Paul, Minnesota.

Fitzell RD (1979). *Colletotrichum acutatum* as a cause of anthracnose of mango in NSW. Plant Disease Reporter 63: 1067-1070.

Fitzell RD, Peak CM (1984). The epidemiology of anthracnose disease of mango: inoculum sources, spore production and dispersal. Annals of Applied Biology 104: 53-59.

Gao A, Chen Y, Crane JH, Zhu M, Huang J, Luo H (2011). Status and analysis on mango production in China, Advances in Biomedical Engineering. International Conference on Agricultural and Biosystems Engineering, 1-2: 472-476.

García-López E, Mora-Aguilera JA, Hernández-Castro E, Jiménez-Vásquez CJ, Batista-Marte CM, Serra C (2016). First report of gall disease in mango trees caused by

Fusarium decemcellulare in Dominican Republic. Journal of Plant Pathology 99: 287-304**.**

Garner D, Crisosto CH, Wiley P, Crisosto GM (2008). Cooperative extension university of California Kearney agricultural centre 9240 South Riverbend Avenue Parlier, CA 93648/USA 559/646-6500 17: 4.

Garrett CME (1987). The effect of crown gall on growth of cherry trees. Plant Pathology 36: 339-45.

Gelbrich J, Mai C, Militz H (2008). Chemical changes in wood degraded by bacteria. International Biodeterioration and Biodegradation 61: 24-32.

Gupta A, Gupta AK, Mahajan R, Singh D, Khosla K, Lal R, Gupta V (2012). Protocol for isolation and identification of *Agrobacterium* isolates from stone fruit plants and sensitivity of native *A. tumefaciens* isolates against agrocin produced by *A. radiobacter* Strain K84. National Academy of Science letters 36: 79-84

Hafiz A (1986). Plant diseases. Directorate of Publication, PARC, Islamabad, 552p.

Harmsen L, Nissen TV (1965). The bacterial attack on wood. Wood as raw and material 23: 389-393.

Harris KM (1994) Gall midges (Cecidomyiidae): classification and biology. In Wiliams M.A.J. (ed.) Plant galls. Organisms, Interactions, Populations, Clarendon Press, Oxford, 201-211.

Hartesveldt RJ, Harvey HT, Shellhammer HS, Stecker RE (1975). The giant *Sequoia* of the Sierra Nevada. Washington, DC: U.S. Department of Interior, National Park Service.

Hoffmann P, Peek RD, Puls J, Schwab E (1986). The wood of archaeologists. European Journal of Wood and Wood Products 44: 241–247.

Holliday P (1980). Fungus diseases of tropical crops. Cambridge University Press, Cambridge.

Holt JG, Krieg NR, Sneath PHA, Staley JT, Williams ST (1994). Bergey's manual of determinative bacteriology. 9th Edn. Williams and Wilkins, Baltimore.

Hooker JD (1876). The flora of British India, state for India in Council: L. Reeve, London.

Horst RK, Raymond AC (2007). Compendium of rose diseases and pests. St. Paul, MN: American Phytopathological Society.

Ihsan J, Ahmad I, Sajid MN, Muhammad F, Saleem A (1999). Incidence of powdery mildew of mango in the Punjab and evaluation of protective and curative

fungicides for the control of the disease. Pakistan Journal of Phytopathology 11: 67-69.

Islam MS, Akter MM, Rahman A, Rahman MM, Akthar MM, Alam MF (2010). Isolation of *Agrobacterium tumefaciens* strains from crown gall samples of dicot plants in Bangladesh. Current Research in Bacteriology 3: 27-36.

Iyer CPA (1991). Recent advances in varietal improvement in mango. Acta Horticulturae 291: 109-132.

Iyer CPA, Schnell RJ (2009). Breeding and genetics. In: R. E. Litz, ed., The mango: botany production and uses (2nd edition). CAB International, Wallingford Oxon, UK 67-96p.

Jeffries P, Dodd JC, Jeger MJ, Plumbley RA (1990). The biology and control of *Colletotrichum* species on tropical fruit. Plant Pathology 39: 353-366.

Jiskani MM, Pathan MA, Wagan KH, Khaskheli MI (2007). Documentation of identified and unidentified diseases of mango in Sindh, Pakistan. Proceedings: International Symposium on Prospects of Horticultural Industry in Pakistan 28th to 30th March, 2007. Institute of Horticultural Sciences, University of Agriculture, Faisalabad.

Johansen DA (1940). Plant micro technique. McGraw Hill, New York.

Johnson GI (1998). Stem end rot. In: Compendium of tropical fruit diseases. RC Ploetz, GA Zetmeyer, WT Nishijima, KG Rohrbach and HD Ohr (eds). The American Phyto pathological Society, Minnesota 39-40p.

Kaur L (2019). Survey and surveillance of powdery mildew in different mango growing areas in Himachal Pradesh. International Journal of Chemical Studies 7: 2099-2101.

Kelkar PV, Rao VG (1962). Some new record of *Col1etotrichum* sp. from Bombay (India). Slydowia 16: 101-105.

Kerr A, Htay K (1974). Biological control of crown gall through bacteriocin production. Physiology and Plant Pathology 4: 37-44.

Kerr JM (1964). Bacterial crown gall disease on plants in Kansas. Plant Disease Reporter 48: 664–668.

Khan A, Yasmin A, Rind R, Abro M, H Abro S, Abro R (2016). Isolation and characterization of wild strains of *Agrobacterium* from crown gall infected plants. Pakistan Journal of Phytopathology 28: 121-125.

Khan HAA, Akram W, Khan T, Arshad M, Ali S, Mahmood R, Hafeez F (2017). Correlation of biochemical leaf traits and gall formation in six cultivars of mango, *Mangifera indica* L. Pakistan Journal Agricultural Sciences 54: 91-96.

Kim YS (1990). Chemical characteristics of waterlogged archaeological wood. Holzforschung 44: 169-172.

Kishun R (1995). Detection and management of *Xanthomonas campestris* pv. *Mangiferae indicae*. Detection of plant pathogens and their management, JP Varma, A Verma and Dinesh Kumar (Eds.), Angkar Pulishers, New Delhi, 173-182.

Kishun R (1981). Studies on bacterial canker of mango (Abstract). Third International Symposium on plant Pathology, New Delhi, 15p.

Knight RJJ, Campbell RJ, Maguire R (2009). Important mango cultivars and their description. In: Litz RE Ed., The Mango: Botany, Production and Uses (2nd Edn) 2009. CAB International, United Kingdom.

Kore BA, Chavan PD (1990). Biochemical changes during gall formation in mango (*Mangifera indica* L.) leaves. Geobios 17: 212-215.

Kumar J, Singh US, Beniwal SPS (1993). Mango malformation: One hundred years of research. Annual Review of Phytopathology 31: 217-232.

Kumar P, Misra AK, Modi DR (2011). Current status of mango malformation in India. Asian Journal of Plant Science 10: 1-23.

Kumar R, Saran PL (2018). Burl Disorder: An enigma of Langra and Chausa cultivars of mango in Doon Valley. Indian Farmers' Digest 51: 4.

Kumar S, Stecher G, Li M, Knyaz C, Tamura K (2018). MEGA X: Molecular evolutionary genetics analysis across computing platforms. Molecular Biology and Evolution 35: 1547-1549.

Lane DJ (1991). 16S/23S rRNA Sequencing. In: Stackebrandt, E. and Goodfellow, M., Eds., Nucleic Acid Techniques in Bacterial Systematic, John Wiley and Sons, New York, 115-175.

Lanfear R, Calcott B, Ho SY, Guindon S (2012). Partition Finder: combined selection of partitioning schemes and substitution models for phylogenetic analyses. Molecular Biology and Evolution 29: 1695-1701.

Lattanzio V, Lattanzio VMT, Cardinali A (2006). Role of phenolics in the resistance mechanisms of plants against fungal pathogens and insects in phytochemistry.

Advances in Research, F. Imperato, Ed., Research Signpost, Trivandrum, India 23–67p.

Lauricella M, Emanuele S, Calvaruso G, Giuliano M, D'Anneo A (2017). Multifaceted health benefits of *Mangifera indica* L. (Mango): The inestimable value of orchards recently planted in sicilian rural areas. Nutrients 9: 525.

Lebaka VR, Wee YJ, Ye W, Korivi M (2021). Nutritional composition and bioactive compounds in three different parts of mango fruit. International Journal of Environmental Research and Public Health 18:741.

Lee CW, Efetova M, Engelmann JC, Kramell R, Wasternack C, Ludwig-Muller J, Hedrich R, Deeken R (2009). *Agrobacterium tumefaciens* promotes tumor induction by modulating pathogen defense in *Arabidopsis thaliana*. Plant Cell 21: 2948-2962.

Lemmens L, Tchuenche ES, Loey AMV, Hendrickx ME (2013). Beta-carotene isomerization in mango puree as influenced by thermal processing and high-pressure homogenization. European Food Research and Technology 236:155-163.

Leung MY, Blaisdell BE, Burge C, Karlin S (1991). An efficient algorithm for identifying matches with errors in multiple long molecular sequences. Journal of Molecular Biology 221: 1367-1378.

Lev-Yadun S, Aloni R (1990). Vascular differentiation in branch junctions of trees: circular patterns and functional significance. Trees: Structure and Function 4: 49-54.

Lev-Yadun S, Aloni R (1991). Natural and experimentally induced dispersion of aggregate rays in shoots of *Quercus ithaburensis* Decne. and *Q. calliprinos* Webb. Annals of Botany 68: 85-91.

Lev-Yadun S, Aloni R (1995). Differentiation of the ray system in woody plants. Botanical Review 61: 45-84.

Lim TK (1998). Gray leaf spot. In: compendium of tropical fruit diseases. RC Ploetz, GA Zetmeyer, WT Nishijima, KG Rohrbach and HD Ohr (eds). The American Phyto pathological Society, Minnesota 36p.

Lim TK, Wai OC (1986). Effect of selected fungicides *in vitro* on the mango anthracnose pathogen. Brazilian Phytopathology 11: 67-74.

Litz RE (2009). The Mango: Botany, production and Uses (2nd Edn). CAB International, United Kingdom.

Mahrous HAH (2004). Effect of spraying some chemical substances and a fungicide on floral malformation dis-ease in mango. Acta Horticulturae 645: 481-486.

Malaguti G, de-Reyes C (1964). A gall disease of cacao and mango in Venezuela caused by *Calonectria rigidiuscula* (Abstract). Phytopathology 54: 499.

Maldonado-Celis ME, Yahia EM, Bedoya R, Landázuri P, Loango N, Aguillón J, Restrepo B, Guerrero-Ospina JC (2019). Chemical composition of mango (*Mangifera indica* L.) fruit: nutritional and phytochemical compounds. Frontiers in Plant Science 10:1073.

Malik CP, Singh MB (1980). In plant enzymology and histo-enzymology. Kalyani Publisher, New Delhi 286p.

Malinovsky FG, Fangel JU, Willats WG (2014). The role of the cell wall in plant immunity. Frontiers in Plant Science 5: 1-12.

Malpighi M (1675). Anatomy Plantarum. London: Royal Society; ad Scientiam Naturalem promovendam institutae, dicata. 82p.

Marmit KS, Sharma SL (2008). Quantitative estimation of some metabolites and enzymes in insect induced leaf galls of *Mangifera indica*. Asian Journal of Experimental Sciences 22: 343-346.

Martin (1957-58). The tree as an individual (Chapter 2). In: The Giant Sequoia of the Sierra Nevada, Hartesveldt RJ, Harvey HT, Shellhammer HS, Stecker RE (Eds.), Washington, DC: U.S. Department of Interior, National Park Service.

Mathews H, Litz RE, Wilde HD Merkel S, Wetzstein HY (1992). Stable integration and expression of β-glucuronidase and NPT II genes in mango somatic embryos. In Vitro Cellular & Developmental Biology Plant. 28:172-178.

Matthysse AG (2006). The genus *Agrobacterium*. In: Dworkin M., Falkow S., Rosenberg E., Schleifer KH., Stackebrandt E. (eds) The prokaryotes. Springer, New York, NY.

McRae W (1924). Economic botany part-III. Mycol Ann Rep (1922-23). Board of Scientific Advice, India 31–35p.

Mehrotra RC, Dilcher DL, Awasthi NA (1998). Paleocene *Mangifera* - Like leaf fossil from India. Phytomorphology 48: 91-100.

Mehta I (2017). History of mango – King of fruits. International Journal of Science and Engineering Investigations 6: 20-24.

Mendoza DB, Wills RBH (1984). Mango: Fruit development, postharvest physiology and marketing in ASEAN, 3p.

Meyer J (987). Plant galls and gall inducers: Berlin, Borntraeger 291p.

Micco VD, Bazano A, Wheeler EA, Baas P (2016). Tyloses and gums: a review of structure, function and occurrence of vessel occlusions. IAWA Journal 37: 186-205.

Mishra AK (2001). Powdery mildew - A serious disease of mango. Journal of Applied Horticulture 3: 63-68.

Mishra AK, Prakash OM (1999). New records and diseases of unknown etiology of mango. Indian Journal of Plant Pathology 17: 16-21.

Morton J (1987). Mango, In: Fruits of warm climates, Julia F. Morton, Miami.

Mougel C, Cournoyer B, Nesme X (2001). Novel tellurite-amended media and specific chromosomal Ti plasmid probes for direct analysis of soil populations of *Agrobacterium* biovars 1 and 2. Applied and Environmental Microbiology 67: 65-74.

Mueller WC, Beckman CK (1984). Ultrastructure of the cell wall of vessel contact cells in the xylem of tomato sterns. Annals of Botany 53: 107-114.

Mukherjee SK (1951). Origin of mango. Indian Journal of Genetics and Plant Breeding 11: 49-56.

Mukherjee SK (1997). Introduction: botany and importance. In: Litz, R.E. (Ed.). The mango: botany, production and uses. CAB International, Wallingford, United Kingdom 1-19p.

Mukherjee SK, Litz RE (2009). Taxonomy and systematics (chapter 2); In: Litz RE (Ed.), The mango: botany, production and uses (2^{nd} Edn). CAB International, United Kingdom.

Nafie E (2003). The possible induction of resistance in *Lupinus termis* L. against *Fusarium oxysporum* by *Streptomyces chibaensis* and its mode of action: I. Changes in certain morphological criteria and biochemical composition related to induced resistance, International Journal of Agriculture and Biology 5: 463-472.

Naseri G, Sohani MM, Pourmassalehgou A, Allahi S (2012). In planta transformation of rice (*Oryza sativa*) using thaumatin-like protein gene for enhancing resistance to sheath blight. African Journal of Biotechnology 11: 7885-7893.

Nelson NA (1944). Photometric adaptation of the Somogyi method for the determination of glucose. Journal of Biological Chemistry 153: 375-80.

Nelson SC (2008). Mango anthracnose (*Colletotrichum gloeosporiodes*). University of Hawaii at Manoa, College of Tropical Agriculture and Human Resources, Cooperative Extension Service.

New PB, Kerr A (1972). Biological control of crown gall: field measurements and glasshouse experiments. Journal of Applied Bacteriology 35: 279–287.

NHB (2018). Horticultural Statistics at a Glance, Horticulture Statistics Division Department of Agriculture, Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Government of India, 187-188p.

NHM (2012). National Horticulture Mission, Ministry of Agriculture, Department of Agriculture & Cooperation Krishi Bhawan, New Delhi-110001.

Nicholson RL, Hammerschmidt R (1992). Phenolic compounds and their role in disease resistance. Annual Review of Phytopathology 30: 369-389.

Nirvan RS (1953). Bunchy top of young mango seedlings. Scientific Culture 18: 335-36.

Olexa MT, Freeman TE (1978). A gall disease of red mangrove caused by *Cylindrocarpon didymum*. Plant Disease Reporter 62: 283-286.

Patel MK, Kulkarni YS, Moniz L (1948). *Pseudomonas mangiferae-indicae*, pathogenic on mango. Indian Phytopathology 1: 147-152.

Pavlovkin J, Okamoto H, Wächter R, Läuchli A, Ullrich CI (2002). Evidence for high activity of xylem parenchyma and ray cells in the interface of host stem and *Agrobacterium tumefaciens* induced tumours of *Ricinus communis*. Journal of Experimental Botany 53: 1143-1154.

Peters WJ (1974). Tylosis formation in Pinus tracheids. Botanical Gazette 135: 126-131.

Peterson RS (1961). Conifer tumors in the central Rocky Mountains. Plant Disease Reporter 45: 472-474.

Pirlak L, Kose M (2009). Effects of plant growth promoting rhizobacteria on yield and some fruit properties of strawberry. Journal of Plant Nutrition 32: 1173-84.

Ploetz R, Freeman S (2009). Foliar, floral and soil borne diseases. In: Litz RE (Ed), The mango: botany, production and uses (2nd Edn) CAB International UK, 231-289p.

Ploetz R, Vazquez A, Benscher D (1996b). First report of *Fusarium decemcellulare* as a pathogen of mango in the United States. Plant Disease 80: 1207.

Ploetz RC (1998). Anthracnose. In compendium of tropical fruit diseases. RC Ploetz, GA Zetmeyer, WT Nishijima, KG Rohrbach and HD Ohr (Eds.) The American Phytopathological Society, Minnesotap 35-36p.

Ploetz RC (2001). Malformation: A unique and important disease of mango, *Mangifera indica* L. In: *Fusarium*: Paul E. Nelson Memorial Symposium. B. A. Summerell, J. F. Leslie, D. Backhouse, and W. L. Bryden, (eds.) American Phytopathological Society, St Paul, MN. 233-247p.

Ploetz RC (2004). The major diseases of mango strategies and potential for sustainable management. Acta Horticulturae 645: 137-150.

Ploetz RE, Prakash OM (1997). Foliar, floral, and soil borne diseases. In: RE Litz (ed.), The mango: botany, production and uses. Cab International Oxon. UK p 281-225.

Popenoe W (1920). Manual of tropical and subtropical fruits. Mc Millan, New York, pp.79-160 (facsimile of the 1920 edn. 1974) Hafner Press, New York.

Prakash OM (1988). Sooty mould disease of mango and its control. International Journal of Tropical Plant Disease 9: 277-280.

Prakash OM (1990). Annual report CIHNP, Lucknow for the year 1989-90, 59p.

Prakash OM (1998). Disease of mango. In: Mango Cultivation, Ed. Srivastava, R. P. International Book Distributing Co., Lucknow, India. 409-505.

Prakash OM (2004). Diseases and disorders of mango and their management. In: Diseases of Fruits and Vegetables, Ed. S.A.M.H. Naqvi, Kluwer Academic Publishers, The Netherlands 1: 511-619.

Prakash OM Raoof MA (1989). Dieback disease of mango (*Mangifera indica*), its distribution, incidence, cause and management. Fitopatologia Brasileira 14: 207-215.

Prakash OM, Mishra AK (2001). Diseases of mango and their management, In: Diseuses of fruits and vegetables and their management, TS Thind (Ed.) Kalyani Publishers, Ludhiana.

Prakash OM, Mishra AK, Pandey BK (1996). Anthracnose disease of tropical and subtropical fruits. In: Disease Scenario in Crop Plants. In: Fruits and Vegetables (Eds. V.P. Agnihotri, Om Prakash, Ram Kishun and A.K. Misra), Intern. Books and Periodicals Supply Service, Delhi 1-27pp.

Prakash OM, Raoof MA (1985a). Perpetuation of powdery mildew of mango. Indian Journal of Plant Pathology 3: 273-74.

Prakash OM, Raoof MA (1985b). Die back disease of mango and its control (Abs.) Proc IInd International Symposium on Mango, Bangalore, 9- 14 Feb, 251-252pp.

Prakash OM, Raoof MA (1991). Postharvest diseases of mango and their control. Journal of the Andaman Science Association 7: 23-30.

Prakash OM, Srivastava KC (1987). Mango diseases and their management, a world review. Today and Tomorrow Printer & Publisher, Karol Bagh, New Delhi, India: 175p.

Prusky D (1998). Alternaria rot (Black Spot). p 34-35 in R.C Ploetz, G.A. Zetmeyer, W.T. Nishijima, K.G. Rohrbach and H.D. Ohr (eds), Compendium of tropical fruit diseases. The American Phytopathological Society, Minnesota.

Puopolo G, Raio A, Zoina A (2007). Early detection of Agrobacterium tumefaciens in symptom less artificially inoculated chrysanthemum and peach plants using PCR. Journal of Plant Pathology 89: 185-190.

Purseglove JW (1969). Some aspects of mango culture in the Western Tropics. Proceeding of International Symposium on mango and mango culture, IARI, New Delhi.

Rajput KS, Lekhak MM, Kapadane KK, Yadav SR (2017). Formation of tri-lobed stem and development of successive cambia in the stems of *Argyreia hookeri* C. B. Clarke (Convolvulaceae), Flora 233: 140-149.

Raman A (2007). Insect-induced plant galls of India: unresolved questions. Current Science 92: 748-757.

Ramos LJ, Lara SP, McMillian RT, Narayana KR (1991). Tip dieback of mango (*Mangifera indica*) caused by *Botryosphaeria ribis*. Plant Disease 75: 315-318.

Ranganna S (1979). Manual of analysis of fruit and vegetable products. Tata McGraw Hill Publishing Company Ltd, New Delhi.

Rath GC, Swain NC Mohanan MK (1978). A note on die back of mango in Orissa. Indian Phytopathology 31: 384-386.

Razzaq A, Hafiz IA, Mahmood I, Hussain A (2011). Development of in planta transformation protocol for wheat. African Journal of Biotechnology 10: 740-750.

Redfern M (1992). What are galls? Cecidology 7: 81-83.

Saeed A, Shad MA, Nawaz H, Shafqat MN, Muneer, Shaheen A, Tahir S, Shah A (2016). Quick decline disease disturbs the levels of important phytochemicals and minerals in the stem wood of mango (*Mangifera indica*). International Journal of Agronomy 1-6.

Saleem T, Shad A, Khan S, Yasmeen H, Mustafa K (2017). Comparative analysis of Sugars in *Mangifera indica* L. relative to quick decline disease. Journal of Pharmacognosy and Phytochemistry 6: 283-286.

Sammadar HN (2001). Commercial production of horticultural crops, Naya Udyog, Calcutta, 16 p.

Saran PL, Kumar R, Gupta S (2011). Morphology and anatomy of burl disorder of mango in India. Journal of Horticulture Science and Biotechnology 86: 443-445.

Saran PL, Patel RS, Meena RP, Vasara RP, Rajput KS (2020a). Burl formation in mango (*Mangifera indica*): a neglected tumor disease and structure of its secondary xylem. IAWA Journal 41: 85-97.

Saran PL, Choudhary SP, Rajput KS (2020b). Mango (*Mangifera indica* L.) germplasm screening against burl disease and its effect on fruit yield and quality. Indian Journal of Agricultural Sciences 90: 513-518

Saran PL, Rajput KS, Meena RP, Leua HN (2020c). Mango (*Mangifera indica* L.) germplasm screening against burl: Effect on plant morphology and graft-incompatibility and orchard topography in India. Erwerbs-Obstbau 62: 315–325.

Sarker AQ, Mondol PC, Islam S, Alam MF (2011). Identification of virulent *Agrobacterium tumefaciens* strains from some dicotyledonous plants in Bangladesh. Agriculturae Conspectus Scientificus 76: 2.

Sarwar M (2015). Practices for integrated control of mango (*Mangifera indica* L.) diseases to protect in Pre-harvest as well as post-harvest phases. Bioscience and Bioengineering 1: 57-62.

Sattler SE, Funnell-Harris DL (2013). Modifying lignin to improve bioenergy feedstocks: strengthening the barrier against pathogens? Frontiers in Plant Sciences 4: 70.

Serfontein S, Staphorst JL (1994). Crown gall of hop caused by *Agrobacterium tumefaciens* biovar in South Africa. Plant Pathology 43: 1028-1030.

Seward AC (1912). Dicotyledonous leaves from Assam. Geological Survey of India 42: 100.

Shad M, Ansari T, Pervez H, Rubab M, Mahmood T (2002). Changes in sugar, amino acid and mineral contents of leaves of two mango varieties affected by quick decline disease. Journal of Biological Sciences 10: 694-696.

Shah KA, Patel MB, Patel RJ, Parmar PK (2010). *Mangifera Indica* L. (Mango). Pharmacognosy Review 4: 42-48.

Shaheen R, Riaz M, Jamil N, Pervaiz H, Masood Z, Iqbal F (2015). Determination of change in sugar content in healthy and diseased leaves of two mango varieties (Langra and Chausa) affected with quick decline disease. American-Eurasian Journal of Toxicological Sciences **7**: 224-248.

Shekhawat GS, Patel PN (1975). Studies on bacterial canker of mango. Z Pflakrankh Pflchrtz 82: 129-138.

Silvestro D, Michalak I (2012). RaxML GUI: a graphical front-end for RAxML. Organisms Diversity & Evolution 12: 335-337.

Simons S (1991). Anthracnose on economically important food crops in Barbados. In: Proceedings Ninth Annual Conference Barbados Society of Technologists in Agriculture, Rocklety Resort, Barbados, 1-9p.

Sinclair WA, Lyon HH, Johnson WT (1993). Diseases of trees and shrubs, 3rd edn. Comstock Publishing Associates, Cornell University Press, Ithaca, 575 p.

Singh AK, Charmkar NK, Singh R (2019). Mango (*Mangifera indica* L.): Morphological and genetical diversity in India. Indian Journal of Pure & Applied Biosciences 7: 382-395.

Singh DK (2019). Mango as a special fruit of India with historical perspective. International Journal of Academic Research and Development 4: 33-36.

Singh NK (2016). Origin, diversity and genome sequence of mango (*Mangifera indica* L.) Indian Journal of History of Science 51: 355-368.

Singh RN (1960). The Mango-botany cultivation and utilization. Leonard Hill (Books) Ltd. London. World Crop Book Series 438 p.

Sireesha Y, Reddy DS (2018). Mango sudden decline: An emerging threat in nursery and mango orchards of Andhra Pradesh. Journal of Entomology and Zoology Studies 6: 449-454.

Slater D, Bradley RS, Withers PJ, Ennos AR (2014). The anatomy and grain pattern in forks of hazel (*Corylus avellana* L.) and other tree species. Trees: Structure & Function 28: 1437-1448.

Smith KT (2012). The Biology of Burls. "Bark", Issue 3, Fall. Published by Massachusetts Tree Wardens' and Forester's Association.

Soest-Van PJ (1963). Use of detergents in the analysis of fibrous feeds: II. A rapid method for the determination of fibre and lignin. Journal of AOAC International 46: 825-829.

Somogyi M (1952). Estimation of sugars by colorimetric method. Journal of Biological Chemistry 200: 245.

Spooner BM (1990). Some problems in defining the word 'gall'. Cecidology 7: 5.

Srebotnik E, Messner K (1994). A simple method that uses differential staining and light microscopy to assess the selectivity of wood delignification by white rot fungi. Applied and Environmental Microbiology 60: 1383-1386.

Stubbs FB (1987). What is a gall? Cecidolgy 2: 49-50.

Summanwar AS (1967). Mango malformation: Serious economic consequences. Indian Horticulture Journal 11: 12-16.

Summanwar AS, Raychaudhuri SP, Pathak SC (1966). Association of fungus *Fusarium moniliforme* sheld with the malformation in mango. Indian Phytopathology 19: 227-28.

Swart G (1998). Survey of *Colletotrichum gloeosporioides* from commercially available avocados and mangoes in South Africa. Proc. 7th International Congress on Plant Pathology Edinburgh, Abstract No. 2.2.45.

Teas HJ, Mcewan RJ (1982). An epidemic dieback gall disease of *Rhizophora* mangroves in the Gambia, West Africa. Plant disease 66: 522-523.

Tharanathan RN, Yashoda HM, Prabha TN (2006). Mango *(Mangifera indica L.)* "The king of fruits"—An overview. Food Review International 22: 95-123.

Thompson JD, Gibson TJ, Higgins DG (2002). Multiple sequence alignment using Clustal-W and Clustal-X. Current Protocols in Bioinformatics 1: 2-3.

Tiwary BN, Prasad B, Ghosh A, Kumar S, Jain RK (2007). Characterization of two novel Biovar of *Agrobacterium tumefaciens* isolated from root nodules of *Vicia faba*. Current Microbiology 155: 328-333.

Tucho A, Lemessa F, Berecha G (2014). Distribution and occurrence of mango anthracnose (*C. gloeosporioides* Penz and Sacc) in humid agroecology of southwest ethipia. Plant Pathology Journal 13: 268-277.

Uddin MN, Shefat SHT, Afroz M, Moon NJ (2018). Management of anthracnose disease of mango caused by *Colletotrichum gloeosporioides*: A Review. Acta Scientific Agriculture 2: 169-177.

Vance CP, Kirk TK, Sherwood RT (1980). Lignification as a mechanism of disease resistance. Annual Review of Phytopathology 18: 259-88.

Varma A (1983). Mango malformation. Exotic Plant Quarantine Pest and Procedure for Introduction of Plant Materials 173-188p.

Varma A, Raychaudhury SP, Lale, VC, Ram A (1972). Towards the understanding of the problem of mango malformation. Acta Horticulturae 24: 237.

Vavilov NI (1926). Centers of origin of cultivated plants. Bulletin of Applied Botany Genetics and Plant Breeding 16: 1-248.

Veselov D, Langhans M, Hartung W, Aloni R, Feussner I, Götz C, Veselova S, Schlomski S, Dickler C, Bächmann K, Ullrich CI (2003). Development of *Agrobacterium tumefaciens* C58-induced plant tumors and impact on host shoots are controlled by a cascade of jasmonic acid, auxin, cytokinin, ethylene and abscisic acid. Planta 216: 512-522.

Wagle PV (1928). Studies in the shedding of mango flowers and fruits. Part I, Mein Dept. Agric. Indian Botanical Society 8: 219-249.

Wainhouse D, Cross DJ, Howell RS (1990). The role of lignin as a defense against the spruce bark beetle *Dendroctonus micans*: effect on larvae and adults. Oecologia 85: 257-265.

Weiler EW, Schroder J (1987). Hormone genes and crown gall disease. Trends Biochemical Sciences 12: 271-275.

White PR, Millington WF (1954). The Distribution and possible importance of a woody tumor on trees of the white spruce, Picea glauca. Cancer Research 14: 128-134.

Williams MAJ (1994). Plant galls: a perspective. In Wiliams MAJ (ed.) Plant galls. Systematics Association 49:1-7. Oxford Clarendon Press.

Woese CR (1987). Bacterial evolution. Microbiology Reviews 51: 221-271.

Xie M, Zhang J, Tschaplinski TJ, Tuskan GA, Chen JG, Muchero W (2018). Regulation of lignin biosynthesis and its role in growth-defense trade-offs. Frontiers in Plant Sciences 9: 1427.

Yadav AK, Pandey DC (2016). Geographical perspectives of mango production in India. Imperial Journal of Interdisciplinary Research 4: 257-265.

Yajko DM, Hegeman GD (1971). Tumour induction by *Agrobacterium tumefaciens*: Specific transfer of bacterial Deoxyribonucleic Acid to plant tissue. Journal of Bacteriology 108(3):973-979.

Yang W, Ji L, Tan LR, Li SM, Wang Y, Liu HX, Luo YM (2011). Sensitive and specific detection of *Agrobacterium tumefaciens* in soil using a rapid polymerase chain reaction (PCR). African Journal of Microbiology Research 5: 708-713.

Zakii Z, Ershad D, Safavi M (1993). Occurrence of powdery mildew of mango in Iran. Applied Entomology 60: 30.

Zambryski P, Tempe J, Schell J (1989). Transfer and function of T-DNA genes from *Agrobacterium* Ti and Ri plasmids in plants. Cell 56: 193-201.

Zimmermann MH (1979). The discovery of tyloses formation by a Viennese lady in 1845. IAWA Bulletin 2: 51-56.