

#### RESEARCH PUBLICATIONS AT APRIL, 2006 for JOHN W. RANGLES

1. RANGLES, J.W. (1963). Aphids spread virus diseases in market gardens. South Australian Journal of Agriculture 66, 278-283.
2. RANGLES, J.W. (1964). A virus isolated from *Gladiolus*. Australian Plant Disease Recorder 16, 54.
3. FRANCKI, R.I.B., RANGLES, J.W. and CHAMBERS, T.C. (1964). Some properties and fine structure of a new virus isolated from *Gladiolus*. Phytopathology 54, 892-893.
4. CLARE, B.G. and RANGLES, J.W. (1965). *Oidium* sp. on *Olearia grandiflora*. Australian Plant Disease Recorder 17, 17-18.
5. RANGLES, J.W. and FRANCKI, R.I.B. (1965). Some properties of a tobacco ringspot virus isolate from South Australia. Australian Journal of Biological Sciences 18, 979-986.
6. CHAMBERS, T.C., FRANCKI, R.I.B. and RANGLES, J.W. (1965). The fine structure of *Gladiolus* virus. Virology 25, 15-21.
7. RANGLES, J.W. (1966). Necrotic yellows - devastating lettuce disease. South Australian Journal of Agriculture 69, 266-268.
8. FRANCKI, R.I.B., RANGLES, J.W., CHAMBERS, T.C. and WILSON, S.B. (1966). Some properties of purified cucumber mosaic virus (Q strain). Virology 28, 729-741.
9. RANGLES, J.W. and CROWLEY, N.C. (1967). Epidemiology of cauliflower mosaic virus in South Australia. Australian Journal of Agricultural Research 18, 289-298.
10. RANGLES, J.W. (1968). Ribonuclease isozymes in Chinese cabbage systemically infected with turnip yellow mosaic virus. Virology 36, 556-563.
11. RANGLES, J.W. and CROWLEY, N.C. (1970). Epidemiology of lettuce necrotic yellows virus in South Australia. I. Relationship between disease incidence and activity of *Hyperomyzus lactucae*. Aust. J. Agric. Res. 21, 447-453.
12. RANGLES, J.W. and COLEMAN, D.F. (1970). Loss of ribosomes in *Nicotiana glutinosa* L. infected with lettuce necrotic yellows virus. Virology 41, 459-464.
13. FRANCKI, R.I.B. and RANGLES, J.W. (1970). Lettuce necrotic yellows virus. Commonwealth Mycological Institute and Association of Applied Biologists, Descriptions of Plant Viruses, No. 26.
14. RANGLES, J.W. and CARVER, Mary (1971). Epidemiology of lettuce necrotic yellows virus in South Australia. II. Description of virus, host plants, and vectors. Aust. J. Agric. Res. 22, 231-237.
15. RANGLES, J.W. (1971). The natural distribution of tobacco mosaic virus in *Nicotiana glauca* in South Australia. Search 2, 30-31.
16. MOHAMED, N.A. and RANGLES, J.W. (1972). Effect of tomato spotted wilt virus on ribosomes, ribonucleic acids and Fraction I protein in *Nicotiana tabacum* leaves. Physiological Plant Pathology 2, 235-245.
17. RANGLES, J.W. and COLEMAN, D. (1972). Changes in polysomes in *Nicotiana glutinosa* leaves infected with lettuce necrotic yellows virus. Physiological Plant Pathology 2, 247-258.
18. FRANCKI, R.I.B. and RANGLES, J.W. (1972). RNA-dependent RNA polymerase associated with particles of lettuce necrotic yellows virus. Virology 47, 270-275.

19. RANGLES, J.W. and FRANCKI, R.I.B. (1972). Infectious nucleocapsid particles of lettuce necrotic yellows virus with RNA-dependent RNA polymerase activity. *Virology* 50, 297-300.
20. MOHAMED, N.A., RANGLES, J.W. and FRANCKI, R.I.B. (1973). Protein composition of tomato spotted wilt virus. *Virology* 56, 12-21.
21. FRANCKI, R.I.B. and RANGLES, J.W. (1975). Composition of the plant rhabdovirus lettuce necrotic yellows virus in relation to its biological properties. In 'Negative Strand Viruses'. Eds. Mahy, B.W.J. and Barry, R.D. Academic Press. Volume I. Pp. 223-242.
22. FRANCKI, R.I.B. and RANGLES, J.W. (1973). Some properties of lettuce necrotic yellows virus RNA and its *in vitro* transcription by virion-associated transcriptase. *Virology* 54, 359-368.
23. BOAKYE, D.B. and RANGLES, J.W. (1974). Epidemiology of LNYV in South Australia. III. Virus transmission parameters, and vector feeding behaviour on host and non-host plants. *Aust. J. Agric. Res.* 25, 791-802.
24. RANGLES, J.W. (1975). Association of two ribonucleic acid species with cadang-cadang disease of coconut palm. *Phytopathology* 65, 163-167.
25. RANGLES, J.W. (1975). Detection in coconut of rod-shaped particles which are not associated with disease. *Plant Disease Reporter* 59, 349-352.
26. RANGLES, J.W., HARRISON, B.D. and ROBERTS, I.M. (1976). *Nicotiana velutina* mosaic virus: purification, properties and affinities with other rod-shaped viruses. *Annals of Applied Biology* 84, 193-204.
27. RANGLES, J.W., RILLO, E.P. and DIENER, T.O. (1976). The viroid-like structure and cellular location of anomalous RNA associated with the cadang-cadang disease. *Virology* 74, 128-139.
28. RANGLES, J.W., HARRISON, B.D., MURANT, A.F. and MAYO, M.A. (1977). Packaging and biological activity of the two essential RNA species of tomato black ring virus. *Journal of General Virology* 36, 187-193.
29. RANGLES, J.W. and DUBÉ, A.J. (1977). Three seed-borne pathogens isolated from *Vicia faba* seed imported from the United Kingdom. *Australian Plant Pathology Society Newsletter* 6, 37-38.
30. RANGLES, J.W., BOCCARDO, G., RETUERMA, M.L. and RILLO, E.P. (1977). Transmission of the RNA species associated with cadang-cadang of coconut palm and the insensitivity of the disease to antibiotics. *Phytopathology* 67, 1211-1216.
31. RANGLES, J.W. (1978). *Nicotiana velutina* mosaic virus. Commonwealth Mycological Institute and the Association of Applied Biologists. Descriptions of Plant Viruses No. 189.
32. RANGLES, J.W. and PALUKAITIS, P. (1979). *In vitro* synthesis and characterization of DNA complementary to cadang-cadang-associated RNA. *Journal of General Virology* 43, 649-662.
33. RANGLES, J.W. and HATTA, T. (1979). Circularity of the ribonucleic acids associated with cadang-cadang disease. *Virology* 96, 47-53.
34. RANGLES, J.W., BOCCARDO, G. and IMPERIAL, J.S. (1980). Detection of the cadang-cadang associated RNA in African oil palm and buri palm. *Phytopathology* 70, 185-189.
35. RANGLES, J.W., DAVIES, C., GIBBS, A.J. and HATTA, T. (1980). Amino acid composition of capsid protein as a taxonomic criterion for classifying the atypical S strain of bean yellow mosaic virus. *Australian Journal of Biological Sciences* 33, 245-254.

36. FRANCKI, R.I.B., HATTA, T., BOCCARDO, G. and RANDLES, J.W. (1980). The composition of chloris striate mosaic virus, a Geminivirus. *Virology* 101, 233-241.
37. FRANCKI, R.I.B. and RANDLES, J.W. (1980). Rhabdoviruses infecting plants. In "Rhabdoviruses" Vol. 3 (Ed. D.H.L. Bishop) CRC Pres Inc. Florida. Pp. 135-165.
38. MARTIN, D.K. and RANDLES, J.W. (1980). Inter-relationships between wild host plant and vector in the epidemiology of lettuce necrotic yellows virus. In "Pests, Pathogens and Vegetation" Ed. J.M. Thresh. pp. 479-486. Pitman, London 517 pp.
39. RANDLES, J.W., DAVIES, C., HATTA, T., GOULD, A.R. and FRANCKI, R.I.B. (1981). Studies on encapsidated viroid-like RNA. I. Characterization of velvet tobacco mottle virus. *Virology* 108, 111-122.
40. GOULD, A.R., FRANCKI, R.I.B. and RANDLES, J.W. (1981). Studies on encapsidated viroid-like RNA. IV. Requirement for infectivity and specificity of two RNA components from velvet tobacco mottle virus. *Virology* 110, 420-426.
41. ABU-SAMAH, NORANI and RANDLES, J.W. (1981). A comparison of the nucleotide sequence homologies of three isolates of bean yellow mosaic virus and their relationship to other potyviruses. *Virology* 110, 436-444.
42. RANDLES, J.W., PALUKAITIS, P. and DAVIES, C. (1981). Natural distribution, spread and variation, in the tobacco mosaic virus infecting *Nicotiana glauca* in Australia. *Annals of Applied Biology* 98, 109-119.
43. IMPERIAL, J.S., RODRIGUEZ, J.M.B. and RANDLES, J.W. (1981). Variation in the viroid-like RNA associated with cadang-cadang disease: evidence for an increase in molecular weight with disease progress. *Journal of General Virology* 56, 77-85.
44. PALUKAITIS, P., RANDLES, J.W., TIAN, Y-t, KANG, L-y and TIEN, P. (1981). Taxonomy of several tobamoviruses from China as determined by molecular hybridization analysis with complementary DNA. *Intervirology* 16, 136-141.
45. BOCCARDO, G., BEAVER, R.G., RANDLES, J.W. and IMPERIAL, J.S. (1981). Tinangaja and bristle top, coconut diseases of uncertain etiology in Guam, and their relationship to cadang-cadang disease of coconut in the Philippines. *Phytopathology* 71, 1104-1107.
46. JAYASENA, K.W., HATTA, T., FRANCKI, R.I.B. and RANDLES, J.W. (1981). Luteovirus-like particles associated with subterranean clover red leaf virus infection. *J. Gen. Virol.* 57, 205-209.
47. RANDLES, J.W. (1982). Cadang-cadang disease - a potential threat to palms in South East Asia. *Proceedings International Conference on Plant Protection in the Tropics*, Kuala Lumpur. Eds. Heong, Lee, Lim, Teoh and Ibrahim.
48. RANDLES, J.W. and BOCCARDO, G. (1982). Research on the viroid of coconut cadang-cadang disease. *Oleagineux* 37, 13-15.
49. RIESNER, D., COLPAN, M. and RANDLES, J.W. (1982). A micro cell for the temperature jump technique. *Analytical Biochemistry* 121, 186-187.
50. RANDLES, J.W., STEGER, G. and RIESNER, D. (1982). Structural transitions in viroid-like RNAs associated with cadang-cadang disease, velvet tobacco mottle virus, and *Solanum nodiflorum* mottle virus. *Nucleic Acids Research* 10, 5569-1586.
51. RIESNER, D., KAPER, J.M. and RANDLES, J.W. (1982). Stiffness of viroids and viroid-like RNA in solution. *Nucleic Acids Research* 10, 5587-5598.

52. GIBBS, A., TIEN, P., KANG, L-y, TIAN, Y-t and RANGLES, J.W. (1982). Classification of several tobamoviruses isolated in China on the basis of the amino acid composition of their virion proteins. *Intervirology* 18, 160-163.
53. ZELAZNY, B., RANGLES, J.W., BOCCARDO, G. and IMPERIAL, J.S. (1982). The viroid nature of the cadang-cadang disease of coconut palm. *Scientia Filipinas* 2, 46-63.
54. FRANCKI, R.I.B., RANGLES, J.W., HATTA, T., DAVIES, C., CHU, P.W.G. and McLEAN, G.D. (1983). Subterranean clover mottle virus: another virus from Australia with encapsidated viroid-like RNA. *Plant Pathology* 32, 47-59.
55. CHU, P.W.G., FRANCKI, R.I.B. and RANGLES, J.W. (1983). Detection, isolation and characterization of high molecular weight double-stranded RNAs in plants infected with velvet tobacco mottle virus. *Virology* 126, 480-492.
56. RIESNER, D., STEGER, G., SCHUMACHER, J., GROSS, H.J., RANGLES, J.W. and SANGER, H.L. (1983). Structure and function of viroids. *Biophysics of Structure and Mechanism* 9, 145-170.
57. RIESNER, D., COLPAN, M., HOFMANN, H., RANGLES, J.W., SCHUMACHER, J. and STEGER, G. (1983). Structure and cellular organization of viroids. *Current Communications in Molecular Biology. Plant Infectious Agents, Viruses, Viroids, Virusoids and Satellites* (Eds. H.D. Robertson, S.H. Howell, M. Zaitlin and R.L. Malmberg (Cold Spring Harbor Laboratory) pp. 154-159.
58. RANGLES, J.W. (1983). Transmission and epidemiology of lettuce necrotic yellows virus. In "Current topics in vector research I" Ed. K.F. Harris. Praeger, New York pp. 169-188.
59. ABU-SAMAH, N. and RANGLES, J.W. (1983). A comparison of Australian bean yellow mosaic virus isolates using molecular hybridization analysis. *Ann. Appl. Biol.* 103, 97-107.
60. JAYASENA, K.W. and RANGLES, J.W. (1984). Patterns of spread of the non-persistently transmitted bean yellow mosaic virus and the persistently transmitted subterranean clover red leaf virus in *Vicia faba*. *Ann. Appl. Biol.* 104, 249-260.
61. JAYASENA, K.W., RANGLES, J.W. and BARNETT, O.W. (1984). Synthesis of a complementary DNA probe specific for detecting subterranean clover red leaf virus in plants and aphids. *J. Gen. Virol.* 65, 109-117.
62. SCHUMACHER, J., RANGLES, J.W. and RIESNER, D. (1983). A two-dimensional electrophoretic technique for the detection of circular viroids and virusoids. *Analytical Biochemistry* 135, 288-295.
63. STEGER, G., HOFMANN, H., FORTSCH, J., GROSS, H.J., RANGLES, J.W., SANGER, H.L. and RIESNER, D. (1984). Conformational transitions in viroids and virusoids: comparison of results from energy minimization algorithm and from experimental data. *Journal of Biomolecular Structure and Dynamics* 2, 543-571.
64. ALBERTS, E., HANNAY, J. and RANGLES, J.W. (1985). An epidemic of cucumber mosaic virus in South Australian lupins. *Aust. J. Agric. Res.* 36, 267-273.
65. FRANCKI, R.I.B., RANGLES, J.W., CHU, P.W.G., ROHOZINSKI, J. and HATTA, T. (1985). Viroid-like RNAs incorporated in conventional virus capsids. In "Subviral Pathogens of Plant and Animals: Viroids and Prions" (Eds. K. Maramorosch and J.J. McKelvey, Jr.). Academic Press, Orlando pp. 265-297.
66. IMPERIAL, J.S., BAUTISTA, R.M. and RANGLES, J.W. (1985). Transmission of the coconut cadang-cadang viroid to six species of palm by inoculation with nucleic acid extracts. *Plant Pathology* 34, 391-401.

67. JULIA, J.F., DOLLET, M., RANGLES, J.W. and CALVEZ, C. (1985). Foliar decay of coconuts by *Myndus taffini* (FDMT): new results. *Oléagineux* 40, 19-27.
68. RANGLES, J.W. (1985). Coconut cadang-cadang viroid. In "Subviral Pathogens of Plants and Animals: Viroids and Prions" (Eds. K. Maramorosch and J.J. McKelvey Jr.). Academic Press, Orlando. pp. 39-74.
69. RANGLES, J.W. and IMPERIAL, J.S. (1985). Coconut cadang-cadang viroid. CMI/AAB descriptions of plant viruses. No. 287.
70. JAYASENA, K.W. and RANGLES, J.W. (1985). The effect of insecticides and a plant barrier row on aphid populations and the spread of bean yellow mosaic potyvirus and subterranean clover red leaf luteovirus in *Vicia faba* in South Australia. *Ann. Appl. Biol.* 107, 355-364.
71. RANGLES, J.W. (1985). Exotic plant pathogens. In "Pests and Parasites as Migrants - An Australian Perceptive". Eds. A.J. Gibbs and H.R.C. Meischke. The Australian Academy of Science, Canberra, pp. 40-42.
72. GRADDON, D.J. and RANGLES, J.W. (1986). Single antibody dot immunoassay - a simple technique for rapid detection of a plant virus. *J. Virological Methods* 13, 63-69.
73. RANGLES, J.W., JULIA, J.F., CALVEZ, C. and DOLLET, M. (1986). Association of single-stranded DNA with the foliar decay disease of coconut palm in Vanuatu. *Phytopathology* 76, 889-894.
74. RANGLES, J.W. and FRANCKI, R.I.B. (1986). Velvet tobacco mottle virus. AAB Descriptions of Plant Viruses, No. 317.
75. GREBER, R.S. and RANGLES, J.W. (1986). Solanum nodiflorum mottle virus. AAB Descriptions of Plant Viruses, No. 318.
76. RANGLES, J.W. (1986). Susceptibility of *Echium plantagineum* L. to tobacco mosaic, alfalfa mosaic, tobacco ringspot, and tobacco necrosis viruses. *Australasian Plant Pathology* 15, 74-77.
77. GARNSEY, S.M. and RANGLES, J.W. (1987). Biological interactions and agricultural implications of viroids. In "Viroids and Viroid-like Pathogens". Ed. J.S. Semancik. CRC Press, Boca Raton, Florida, pp. 127-160.
78. RANGLES, J.W., HANOLD, D. and JULIA, J.F. (1987). Small circular single-stranded DNA associated with foliar decay disease of coconut palm in Vanuatu. *Journal of General Virology* 68, 273-280.
79. BARNETT, O.W., RANGLES, J.W. and BURROWS, P.M. (1987). Relationships among Australian and North American isolates of the bean yellow mosaic potyvirus subgroup. *Phytopathology* 77, 791-799.
80. RANGLES, J.W. (1987). Coconut cadang-cadang. In "The Viroids". Ed. T.O. Diener, Plenum Press, New York, pp. 265-277.
81. RANGLES, J.W. (1988). Coconut cadang-cadang viroid: detection methods and their application. In "Viroids of plants and their detection", International Seminar, Warsaw Agricultural University Press, Warsaw, pp 29-35.
82. HANOLD, D., LANGRIDGE, P. and RANGLES, J.W. (1988). The use of cloned sequences for the identification of coconut foliar decay disease-associated DNA. *Journal of General Virology* 69, 1323-1329.
83. RANGLES, J.W., RODRIGUEZ, M.J.B. and IMPERIAL, J.S. (1988). Cadang-cadang disease of coconut palm. *Microbiological Sciences* 5: 18-22.

84. GIBB, K.S. and RANGLES, J.W. (1988). Studies on the transmission of velvet tobacco mottle virus by the mirid, *Cyrtopeltis nicotianae*. *Annals of Applied Biology* 112, 427-437.
85. FRANCKI, R.I.B., RANGLES, J.W. and GRADDON, D.J. (1988). Subterranean clover mottle virus. *AAB Descriptions of Plant Viruses*, No. 329.
86. HANOLD, D. and RANGLES, J.W. (1989). Cadang-cadang like viroid in oil palm in the Solomon Islands. *Plant Disease* 73, 183.
87. RANGLES, J.W. and HANOLD, D. (1989). Coconut foliar decay virus particles are 20-nm icosahedra. *Intervirology* 30, 177-180.
88. DALL, D.J., RANGLES, J.W. and FRANCKI, R.I.B. (1989). The effect of alfalfa mosaic virus on productivity of annual barrel medic, *Medicago truncatula*. *Australian Journal of Agricultural Research* 40, 807-815.
89. GIBB, K.S. and RANGLES, J.W. (1989). Nonpropagative translocation of velvet tobacco mottle virus in the mirid *Cyrtopeltis nicotianae*. *Annals of Applied Biology* 115, 11-15.
90. FRANCKI, R.I.B., RANGLES, J.W. and DIETZGEN, R.G. (1989). Lettuce necrotic yellows virus. *AAB Descriptions of Plant Viruses*, No. 343.
91. ROHDE, W., RANGLES, J.W., LANGRIDGE, P. and HANOLD, D. (1990). Nucleotide sequence of a circular single-stranded DNA associated with coconut foliar decay virus. *Virology* 176, 648-651.
92. RANGLES, J.W. and ROHDE, W. (1990). Nicotiana velutina mosaic virus - evidence for a bipartite genome comprising 3 kb and 8 kb RNAs. *Journal of General Virology* 71, 1019-1027.
93. DALL, D.J., GRADDON, D.J., RANGLES, J.W. and FRANCKI, R.I.B. (1990). Isolation of a subterranean clover mottle virus-like satellite RNA from lucerne infected with lucerne transient streak virus. *Journal of General Virology* 71: 1873-1875.
94. GIBB, K.S. and RANGLES, J.W. (1990). Distribution of velvet tobacco mottle virus in its mirid vector and its relationship to transmissibility. *Annals of Applied Biology* 116, 513-521.
95. HANOLD, D. and RANGLES, J.W. (1991). Detection of coconut cadang-cadang viroid-like sequences in oil and coconut palm and other monocotyledons in the South-West Pacific. *Annals of Applied Biology* 118, 139-151.
96. GIBB, K.S. and RANGLES, J.W. (1991). Transmission of velvet tobacco mottle virus and related viruses by the mirid *Cyrtopeltis nicotianae*. Mirid transmission of plant viruses. In: *Advances in disease vector research*, Vol. 7. Ed. K.F. Harris. Springer-Verlag, New York, pp. 1-17.
97. HANOLD, D. and RANGLES, J.W. (1991). Coconut cadang-cadang disease and its viroid agent. *Plant Disease* 75, 330-335.
98. LIGAT, J.S., CARTWRIGHT, D. and RANGLES, J.W. (1991). Comparison of some pea seed-borne mosaic virus isolates and their detection by dot-immunobinding assay. *Australian Journal of Agricultural Research* 42, 441-451.
99. RANGLES, J.W. (1991). Cadang-cadang disease. In: *Coconut production : present status and priorities for research*. Green, A.H. (Ed) pp. 97-102. World Bank Technical Paper Number 136, World Bank, Washington D.C. 150 pp.
100. HAJIMORAD, M.R., KURATH, G., RANGLES, J.W. and FRANCKI, R.I.B. (1991). Change in phenotype and encapsidated RNA segments of an isolate of alfalfa mosaic virus: an influence of host passage. *Journal of General Virology* 72: 2885-2893.

101. RANGLES, J.W. and REZAIAN, M.A. (1991). Viroids. In "Classification and nomenclature of viruses, 5th Report of the International Committee on Taxonomy of Viruses". Eds. Francki, R.I.B., Fauquet, C.M., Knudson, D.L. and Brown, F. Springer-Verlag, Vienna, pp. 403-405.
102. RANGLES, J.W. and HANOLD, D. (1991). Indexing of coconut germplasm for viroid and virus. International Crop Network Series 8, pp. 44-45. Papers of the International Board for Plant Genetic Resources Workshop on Coconut Genetic Resources, Cipanas, Indonesia.
103. RANGLES, J.W., HANOLD, D., PACUMBABA, E.P. and RODRIGUEZ, M.J.B. (1992). Cadang-cadang disease of coconut palm. In "Plant Diseases of International Importance". Vol. IV. Eds. Mukhopadhyay, A.N., Kumar, J., Chaube, H.J. and Singh, U.S. Prentice-Hall, New Jersey ; pp 277-295.
104. RANGLES, J.W., MILLER, D.C., MORIN, J.P., ROHDE, W. and HANOLD, D. (1992). Localisation of coconut foliar decay virus in coconut palm. *Annals of Applied Biology* 121: 601-617.
105. ROHDE, W., SALAMINI, F., ASHBURNER, G.R. and RANGLES, J.W. (1992). An EcoRI repetitive sequence family of the coconut palm *Cocos nucifera* L. shows sequence homology to *copia*-like elements. *Journal of Genetics and Breeding* 46: 391-394.
106. WAHYUNI, W.S. and RANGLES, J.W. (1993). Inoculation with root nodulating bacteria reduces the susceptibility of *Medicago truncatula* and *Lupinus augustifolius* to cucumber mosaic virus (CMV) and addition of nitrate partially reverses the effect. *Australian Journal of Agricultural Research* 44: 1917-1929.
107. LIGAT, J.S. and RANGLES, J.W. (1993). An eclipse of pea seed-borne mosaic virus in vegetative tissue of pea following repeated transmission through the seed. *Annals of Applied Biology* 122: 39-47.
108. THOMAS, J.E., KESSLING, A.F., PEARSON, M.N. and RANGLES, J.W. (1993). A potyvirus isolated from Cuban royal palm (*Roystonea regia*) in Queensland. *Australasian Plant Pathology* 22 : 68-71.
109. RODRIGUEZ, M.J.B. and RANGLES, J.W. (1993). Coconut cadang-cadang viroid (CCCVd) mutants associated with severe disease vary in both the pathogenicity domain and the central conserved region. *Nucleic Acids Research* 21: 2771.
110. RANGLES, J.W. (1993). Strategies for implicating virus-like pathogens as the cause of diseases of unknown etiology. In: Matthews, R.E.F. (Ed.) *Diagnosis of plant virus diseases*. CRC Press, Boca Raton; pp 315-332.
111. RANGLES, J.W. (1993). Plant viruses, viroids and virologists of Australasia. 1993 Daniel McAlpine Memorial Lecture. *Australasian Plant Pathology* 22: 122-130.
112. GEERING, A.D.W. and RANGLES, J.W. (1994). Interactions between a seed-borne isolate of cucumber mosaic cucumovirus and its lupin host. *Annals of Applied Biology* 124: 301-314.
113. PEARSON, M.N., THOMAS, J.E. and RANGLES, J.W. (1994). Detection of an unidentified potyvirus from *Roystonea regia* palm using the polymerase chain reaction and degenerate, potyvirus specific, primers and potential problems arising from the amplification of host plant DNA sequences. *Journal of Virological Methods* 50: 211-218.
114. HODGSON, R.A.J. and RANGLES, J.W. (1994). Methods for identifying viroids in coconuts and other commercially important palms. In; *Coconut Improvement in the South Pacific*, ACIAR Proceedings No.53. Eds M.A. Foale and P.W.Lynch. Pp 47-54.
115. HANOLD, D. and RANGLES, J.W. (1994). A new viroid family infecting tropical monocotyledons. In; *Coconut Improvement in the South Pacific*, ACIAR Proceedings No.53. Eds M.A Foale and P.W.Lynch. Pp 55-61.

116. RANDLES, J.W., RODRIGUEZ, M.J.B. and HANOLD, D. (1994). Coconut diseases caused by non-fungal agents; cadang-cadang and tinangaja. In; Compendium of Tropical Fruit Diseases. Eds R.C. Ploetz, G.A. Zentmeyer, W.T. Nishijima, K.G. Rohrbach and H.D. Ohr. American Phytopathological Society Press, St Paul, Minnesota; pp28-29.
117. RANDLES, J.W., MORIN, J.P., MILLER, D.C., HANOLD, D and ROHDE, W. (1994). Studies of coconut foliar decay disease and its virus agent. In; Coconut Improvement in the South Pacific, ACIAR Proceedings No.53. Eds M.A Foale and P.W.Lynch. Pp 66-70.
118. ROHDE, W., BECKER, D. and RANDLES, J.W. (1995). The coconut foliar decay virus promoter directs phloem-specific reporter gene expression in transgenic tobacco. *Plant Molecular Biology* 27: 623-628.
119. CHEN, B., RANDLES, J.W. and FRANCKI, R.I.B. (1995). Mixed-subunit capsids can be assembled *in vitro* with coat protein subunits from two cucumoviruses. *Journal of General Virology* 76: 971-973.
120. RANDLES, J.W. and RATHJEN, J.P. (1995). Genus Luteovirus. In "Virus Taxonomy-The classification and Nomenclature of Viruses : Sixth Report of the International Committee on Taxonomy of Viruses". Edited by Murphy, F.A., Fauquet, C.M., Bishop, D.H.L., Ghabrial, S.A., Jarvis, A.W., Martelli, G.P., Mayo, M.A. and Summers, M.D. Pp 379-383. Springer-Verlag, Vienna.
121. LUKERT, P., DE BOER, G.F., DALE, J.L., KEESE, P., MCNULTY, M.S., RANDLES, J.W. and TISCHER, I. (1995). Family Circoviridae. In "Virus Taxonomy-The classification and Nomenclature of Viruses : Sixth Report of the International Committee on Taxonomy of Viruses". Edited by Murphy, F.A., Fauquet, C.M., Bishop, D.H.L., Ghabrial, S.A., Jarvis, A.W., Martelli, G.P., Mayo, M.A. and Summers, M.D. Pp 166-168. Springer-Verlag, Vienna.
122. RANDLES, J.W. (1996). New technologies for indexing crops for pathogens. In "Sugarcane Germplasm Conservation and Exchange". ACIAR Proceedings No. 67. Edited by B.J.Croft, C.M. Piggitt, E.S. Wallis, and D.M. Hogarth. Pp 71-74.
123. HIGGINS, T.J.V., RANDLES, J.W. and MANNERS, J.M. (1996). Molecular approaches to the management of pasture diseases. In "Pasture and Forage Crop Pathology". Edited by Chakraborty, S., Leath, K.T., Skipp, R.A., Pederson, G.A., Bray, R.A., Latch, G.C.M. and Nutter, F.W. Pp 533-561. American Society of Agronomy, Crop Science Society of America, Soil Science Society of America, Madison.
124. RANDLES, J.W., HODGSON, R.A.J. and WEFELS, E. (1996). The rapid and sensitive detection of plant pathogens by molecular methods. *Australasian Plant Pathology* 25: 71-85.
125. BEHJATNIA, S.A.A., DRY, I.B., KRAKE, L.R., CONDÉ, B.D., CONNELLY, M.I., RANDLES, J.W. and REZAIAN, M.A. (1996). New potato spindle tuber viroid and tomato leaf curl geminivirus strains from a wild *Solanum* sp. *Phytopathology* 86: 880-886.
126. HODGSON, R.A.J., CHOI, Y.G., HERDINA, KRAKE, L.R., OPHEL-KELLER, K., RANDLES, J.W., REZAIAN, A. and WEFELS, E. (1996). Molecular Tools for Plant Pathogen Diagnosis. Ed. R.A.J. Hodgson. A Postgraduate Course Handbook. Department of Crop Protection, The University of Adelaide, Adelaide; 108 pp.
127. ALI, A. and RANDLES, J.W. (1997). Early season survey of pea viruses in Pakistan and the detection of two new pathotypes of pea seedborne mosaic virus. *Plant Disease* 81: 343-347.
128. JAYASENA, K.W., INGHAM, B.J., HAJIMORAD, M.R. and RANDLES, J.W. (1997). The sense and antisense coat protein gene of alfalfa mosaic virus strain N20 confers protection in transgenic tobacco plants. *Australian Journal of Agricultural Research* 48: 503-510.



129. CHOI, Y.G. and RANGLES, J.W. (1997). Microgranular cellulose improves dsRNA recovery from plant nucleic acid extracts. *BioTechniques* 23: 610-611.
130. RANGLES, J.W. and OGLE, H. (1997). Viruses and viroids as agents of plant disease. Chapter 7 in, 'Plant Pathogens and Plant Diseases'. Edited by Brown, J.F. and Ogle, H.J. Rockvale Publications, Armidale, pp104-126.
131. GOULTER, K. and RANGLES, J.W. (1997). Serological and molecular techniques to detect and identify plant pathogens. Chapter 11 in 'Plant Pathogens and Plant Diseases'. Edited by Brown, J.F. and Ogle, H.J. Rockvale Publications, Armidale, pp172-191..
132. FELDSTEIN, P.A., LEVY, L., RANGLES, J.W. and OWENS, R. A. (1997). Synthesis and two-dimensional electrophoretic analysis of mixed populations of circular and linear RNAs. *Nucleic Acids Research* 25: 4850-4854.
133. HODGSON, R.A.J. and RANGLES, J.W. (1997). Molecular detection of viroids and viroid-like sequences in coconut palms. In 'Viroid-like Sequences of Coconut'. Edited by Diekmann, M. International Plant Genetic Resources Institute, Rome, pp 18-24.
134. HODGSON, R.A.J. and RANGLES, J.W. (1997). Diagnostic oligonucleotide-probe (DOP) hybridization to detect coconut cadang-cadang viroid. In 'Viroid-like Sequences of Coconut'. Edited by Diekmann, M. International Plant Genetic Resources Institute, Rome, pp 25-29.
135. ALI, A., RANGLES, J.W. and HODGSON, R.A.J. (1998). Sensitive detection of pea seed borne mosaic potyvirus by dot blot and tissue print hybridisation assays. *Australian Journal of Agricultural Research* 49: 191-197.
136. HODGSON, R.A.J., WALL, G.C. and RANGLES, J.W. (1998). Specific identification of coconut tinangaja viroid (CTiVd) for differential field diagnosis of viroids in coconut palm. *Phytopathology* 88: 774-781.
137. FLORES, R., RANGLES, J.W., BAR-JOSEPH, M. and DIENER, T.O. (1998). A proposed scheme for viroid classification and nomenclature. *Archives of Virology* 143: 623-629.
138. ALI, A. and RANGLES, J.W. (1998). The effects of two pathotypes of pea seed-borne mosaic virus on the morphology and yield of pea. *Australasian Plant Pathology* 27: 226-233.
139. HANOLD, D. and RANGLES, J.W. (Eds) (1998). Report on ACIAR-funded research on viroids and viruses of coconut palm and other tropical monocotyledons 1985-1993. Monograph MN45 1993 <http://www.aciar.gov.au/web.nsf/doc/JERN-5J473D> ACIAR, Canberra.
140. SYMONS, R.H. and RANGLES, J.W. (1999). Encapsidated circular viroid-like satellite RNAs (virusoids) of plants. In 'Satellites and defective viral RNAs'. Edited by Vogt, P.K. and Jackson, A.O. Current Topics in Microbiology and Immunology 239. Springer-Verlag, Berlin.
141. DI SERIO, F., MALFITANO, M., FLORES, R. and RANGLES, J.W. (1999). Detection of peach latent mosaic viroid in Australia. *Australasian Plant Pathology* 28: 80-81.
142. CHOI, Y.G., CROFT, B.J. and RANGLES, J.W. (1999). Identification of sugarcane striate mosaic associated virus by partial characterization of its dsRNA. *Phytopathology* 89: 877-883.
143. HODGSON, R.A.J. and RANGLES, J.W. (1999). Detection of coconut cadang-cadang viroid-like sequences. In 'Current advances in coconut biotechnology'. Edited by Oropeza, C., Verdeil, J., Ashburner, G.R., Cardeña, R. and Santamaria, J. Vol. 35, Current Plant Science and Biotechnology in Agriculture. pp227-246. Kluwer Academic Publishers, Dordrecht/Boston/London.
144. RANGLES, J.W., WEFELS, E., HANOLD, D., MILLER, D.C., MORIN, J.P. and ROHDE, W. (1999). Detection and diagnosis of coconut foliar decay disease. In 'Current advances in

coconut biotechnology'. Edited by Oropeza, C., Verdeil, J., Ashburner, G.R., Cardeña, R. and Santamaria, J. Vol. 35, Current Plant Science and Biotechnology in Agriculture. pp247-258. Kluwer Academic Publishers, Dordrecht/Boston/London.

145. RANGLES, J.W. (1999). The 'pathosphere', paradigms and enigmatic pathogens. *Australasian Plant Pathology* 28: 263-268.
146. CROFT, B.J. and RANGLES, J.W. (2000). Striate mosaic. In 'A guide to sugarcane diseases'. Edited by Rott, P., Bailey, R.A. Comstock, J.C., Croft, B.J. and Saumtally, A.S. Pp 265-267. CIRAD and International Society of Sugarcane Technologists, Montpellier.
147. RANGLES, J.W. and REZAIAN, M.A. (2000). Plant virus pathogenesis: intracellular obligate parasitism. *Microbiology Australia* 21: 12-13.
148. TODD, D., McNULTY, M.S., MANKERTZ, A., LUKERT, P.D., RANGLES, J.W. and DALE, J.L. (2000). Family *Circoviridae*. In 'Virus Taxonomy- Classification and Nomenclature of Viruses'. Edited by van Regenmortel, M.H.V., Fauquet, C.M., Bishop, D.H.L., Carstens, E.B., Estes, M.K., Lemon, S.M., Maniloff, J., Mayo, M.A., Mc Geoch, D.J., Pringle, C.R. and Wickner, R.B. Academic Press, San Diego. Pp 299-303.
149. RANGLES, J.W., CHU, P.W.G., DALE, J.L., HARDING, R., HU, J., KATUL, L., KOJIMA, M., MAKKOUK, K.M., SANO, Y., THOMAS, J.E. and VETTEN, H.J. (2000). Genus *Nanovirus*. In 'Virus Taxonomy- Classification and Nomenclature of Viruses'. Edited by van Regenmortel, M.H.V., Fauquet, C.M., Bishop, D.H.L., Carstens, E.B., Estes, M.K., Lemon, S.M., Maniloff, J., Mayo, M.A., Mc Geoch, D.J., Pringle, C.R. and Wickner, R.B. Academic Press, San Diego. Pp 303-309.
150. FLORES, R., RANGLES, J.W., BAR-JOSEPH, M. and DIENER, T.O. (2000). Subviral Agents - Viroids. In 'Virus Taxonomy- Classification and Nomenclature of Viruses'. Edited by van Regenmortel, M.H.V., Fauquet, C.M., Bishop, D.H.L., Carstens, E.B., Estes, M.K., Lemon, S.M., Maniloff, J., Mayo, M.A., Mc Geoch, D.J., Pringle, C.R. and Wickner, R.B. Academic Press, San Diego. Pp 1009-1024.
151. JAYASENA, K.W., HAJIMORAD, M.R., LAW, E.G., REHMAN, A-U., NOLAN, K.E., ZANKER, T., ROSE, R.J. and RANGLES, J.W. (2001). Resistance to *Alfalfa mosaic virus* in transgenic barrel medic lines containing the virus coat protein gene. *Australian Journal of Agricultural Research* 52: 67-72.
152. TOROK, V.A. and RANGLES, J.W. (2001). *Tobacco mosaic virus* RNA as an internal control for duplex RT-PCR assay of pea germplasm. *Australasian Plant Pathology* 30: 227-230.
153. THOMPSON, N. and RANGLES, J.W. (2001). The genome organisation and taxonomy of the novel *Sugarcane striate mosaic associated virus*. *Archives of Virology* 146: 1441-1451.
154. ALI, A. and RANGLES, J.W. (2001). Genomic heterogeneity in *Pea seedborne mosaic virus* isolates from Pakistan, the centre of diversity of the host species, *Pisum sativum*. *Archives of Virology* 146: 1855-1870.
155. RANGLES, J.W. and HANOLD, D. (2001). Plant diseases: virus and viroid incursions. *Microbiology Australia* 22: 27-28.
156. SELTH, L.A., RANGLES, J.W. and REZAIAN, M.A. (2002). *Agrobacterium tumefaciens* supports DNA replication of diverse geminivirus types. *FEBS Letters* 516: 179-182.
157. HANOLD, D., STUKELY, M. and RANGLES, J.W. (2002). Mundulla Yellows – a new dieback threat. *Landscape* 17: 41-47.
158. HABILI, N. and RANGLES, J.W. (2002). Developing a standardised sampling protocol for consistent detection of grapevine viruses by the PCR assay. *The Australian & New Zealand Grapegrower & Winemaker* 464: 88-92.

159. LIN, B-C., BEHJATNIA, S.A.A., DRY, I.B., RANGLES, J.W. and REZAIAN, M.A. (2003). High-affinity Rep-binding is not required for the replication of a geminivirus DNA and its satellite. *Virology* 305: 353-363
160. HADIDI, A., FLORES, R., RANGLES, J.W. and SEMANCIK, J.S. (Editors) (2003). *Viroids*. CSIRO Publishing, Australia. 370 pp.
161. RANGLES, J.W. (2003). Economic impact of viroids. In, 'Viroids'. Edited by Hadidi, A., Flores, R., Randles, J.W. and Semancik, J.S. CSIRO Publishing, Australia. Pp 3-11.
162. RANGLES, J.W. and RODRIGUEZ, M.J.B. (2003). Coconut cadang-cadang viroid. In, 'Viroids'. Edited by Hadidi, A., Flores, R., Randles, J.W. and Semancik, J.S. CSIRO Publishing, Australia. Pp 233-241.
163. WALL, G.C. and RANGLES, J.W. (2003). Coconut tinangaja viroid. In, 'Viroids'. Edited by Hadidi, A., Flores, R., Randles, J.W. and Semancik, J.S. CSIRO Publishing, Australia. Pp 242-245.
164. RANGLES, J.W., REZAIAN, M.A., HANOLD, D., HARDING, R.M., SKRZECZKOWSKI, L. and WHATTAM, M. (2003). Viroids in Australasia. In, 'Viroids'. Edited by Hadidi, A., Flores, R., Randles, J.W. and Semancik, J.S. CSIRO Publishing, Australia. Pp 279-282.
165. SINGH, R.P., RANGLES, J.W. and HADIDI, A. (2003). Strategies for the control of viroid diseases. In, 'Viroids'. Edited by Hadidi, A., Flores, R., Randles, J.W. and Semancik, J.S. CSIRO Publishing, Australia. Pp 295-302.
166. HANOLD, D. and RANGLES, J.W. (2003). CCCVd-related molecules in oil palms, coconut palms and other monocotyledons outside the Philippines. In, 'Viroids'. Edited by Hadidi, A., Flores, R., Randles, J.W. and Semancik, J.S. CSIRO Publishing, Australia. Pp 336-340.
167. FLORES, R., RANGLES, J.W. and OWENS, R.A. (2003). Classification. In, 'Viroids'. Edited by Hadidi, A., Flores, R., Randles, J.W. and Semancik, J.S. CSIRO Publishing, Australia. Pp 71-75.
168. SEEMANPILLAI, M., DRY, I., RANGLES, J. and REZAIAN, A. (2003). Transcriptional silencing of geminiviral promoter-driven transgenes following homologous virus infection. *Molecular Plant-Microbe Interactions* 16: 429-438.
169. HANOLD, D. and RANGLES, J.W. (2003). First report of Mundulla Yellows on *Eucalyptus* spp. outside Australia. *Plant Disease* 87: 875.
170. HABILI, N., HALL, B. and RANGLES, J.W. (2003). Tip reddening and dieback of Shiraz vines: virus or lightning strike. *The Australian & New Zealand Grapegrower & Winemaker. Annual Technical Issue 2003*: 14-16.
171. GIBB, K.S., TRAN-NGUYEN, L.T.T. and RANGLES, J.W. (2003). A new phytoplasma detected in the South Australian native perennial shrub, *Allocasuarina muelleriana*. *Annals of Applied Biology* 142: 357-364.
172. RODRIGUEZ, M.J.B. and RANGLES, J.W. (2003). Coconut cadang-cadang viroid. Association of Applied Biologists. Descriptions of Plant Viruses No. 402. <http://www.dpvweb.net/dpv/showdpv.php?dpvno=402>
173. HANOLD, D., MORIN, J.P., LABOUISSSE, J.P. and RANGLES, J.W. (2003). Foliar decay disease in Vanuatu. In: *Plant virus diseases of major crops in developing countries*. G. Loebenstein and G. Thottapilly (eds). Kluwer Academic Publishers, Dordrecht. Pp 583-596.
174. VETTEN, H.J., CHU, P.W.G., DALE, J.L., HARDING, R., HU, J., KATUL, L., KOJIMA, M., RANGLES, J.W., SANO, Y. AND THOMAS, J.E. (2004). Nanoviridae. In: *Virus Taxonomy*,

VIIIth Report of the ICTV (C.M. Fauquet, M.A. Mayo, J. Maniloff, U. Desselberger, and L.A. Ball, eds.), 343-352. Elsevier/Academic Press, London.

175. FLORES, R., RANGLES, J.W., OWENS, R.A., BAR-JOSEPH, M. & DIENER, T.O. (2005). *Viroids*. In *Virus Taxonomy. VIII Report of the International Committee on Taxonomy of Viruses* (C.M. Fauquet, M. A. Mayo, J. Maniloff, U. Desselberger & A. L. Ball, Eds.), pp. 1145-1159. Elsevier/Academic Press, London.
176. SELTH, L.A., RANGLES, J.W. and REZAIAN, M.A. (2004). Host responses to transient expression of individual genes encoded by tomato leaf curl virus. *Molecular Plant-Microbe Interactions* 17: 27-33.
177. HABILI, N. and RANGLES, J.W. (2004). Descriptors for *Grapevine virus A* – associated syndrome in Shiraz, Merlot and Ruby Cabernet in Australia, and its similarity to Shiraz Disease in South Africa. *The Australian & New Zealand Grapegrower & Winemaker* 488: 71-74.
178. JAYASENA, K.W. and RANGLES, J.W. (2004). A short insert in the leader sequence of RNA 3L, a long variant of *Alfalfa mosaic virus* RNA3, introduces two unidentified reading frames. *Virus Genes* 29: 311-316.
179. SELTH, L.A., DOGRA, S.C., RAISHEED, M.S., HEALY, H., RANGLES, J.W. and REZAIAN, M.A. (2005). A NAC domain protein interacts with *Tomato leaf curl virus* replication accessory protein and enhances viral replication. *The Plant Cell* 17:311-325.
180. HANOLD, D., GOWANLOCK, D., STUKELY, M.J.C., HABILI, N, and RANGLES, J. W. (2005). Mundulla Yellows disease of eucalypts: descriptors and preliminary studies on distribution and etiology. *Australasian Plant Pathology* 35: 199-215.
181. VADAMALAI, G., HANOLD, D., REZAIAN, A.M. and RANGLES, J.W. (2005). Variants of the *Coconut cadang-cadang viroid* isolated from an African oil palm (*Elaeis guineensis* Jacq.) in Malaysia. *Archives of Virology* (accepted November 2005)
182. SELTH, L.A., DOGRA, S.C., RASHEED, M.S., RANGLES, J.W. and REZAIAN, M.A. (2006). Identification and characterization of a host reversibly glycosylated peptide that interacts with the *Tomato leaf curl virus* V1 protein. *Plant Molecular Biology* (in press).
183. HABILI, N., FARROKHI, N., LIMA, M.F., NICHOLAS, P. and RANGLES, J.W. (2006). Distribution of *Rupestris stem-pitting-associated virus* variants in two Australian vineyards showing different symptoms. *Annals of Applied Biology* 148: 91-96.
184. RASHEED, M.S., SELTH, L.A., KOLTUNOW, A.M.G., RANGLES, J.W. and REZAIAN, M.A. (2006) Single-stranded DNA of *Tomato leaf curl virus* accumulates in the cytoplasm of phloem cells. *Virology* (in press).