

LIST OF PUBLICATIONS INCLUDED

CENTRAL THEME : FUNGAL BIOLOGY

SECTION A : FUNGAL SYSTEMATICS — HYPHOMYCETES

1. Sutton, B.C., Kuthubutheen, A.J. & Sepiah Muid (1984). Pneumatospora obcoronata gen. et sp. nov. from Malaysia. **Transactions of the British Mycological Society** 83: 423 - 429.
2. Kuthubutheen, A.J., Sepiah Muid & Webster, J. (1985). Arthrobotrys dendriodes, a new synnemalous Arthrobotrys from Malaysia. **Transactions of the British Mycological Society** 84: 563 - 566.
3. Kuthubutheen, A.J. & Sutton, B.C. (1985). Cryptophiale from Malaysia. **Transactions of the British Mycological Society** 84: 303 - 306.
4. Kuthubutheen, A.J. (1987). Two new species of Dictyochaeta from Malaysia. **Transactions of the British Mycological Society** 89: 353 - 358.
5. Kuthubutheen, A.J. (1987). Paliphora porosa sp. nov from Malaysia. **Transactions of the British Mycological Society** 89: 270 - 273.
6. Kuthubutheen, A.J. (1987). Another new species of Cryptophiale from Malaysia. **Transactions of the British Mycological Society** 89: 274 - 278.
7. Kuthubutheen, A.J. (1987). A new synnemalous Dictyochaeta from Malaysia. **Transactions of the British Mycological Society** 89: 411 - 414.
8. Kuthubutheen, A. J. (1987). A new species of Phalangispora and further observations on P. constricta from Malaysia. **Transactions of the British Mycological Society** 89: 414 - 420.
9. Nawawi, A. & Kuthubutheen, A.J. (1987). Clathrosporium intricatum genus et species nova from Malaysia. **Transactions of the British Mycological Society** 89: 407 - 411.
10. Nawawi, A. & Kuthubutheen, A. J. (1987). Triscelosporium verrucosum genus et species nova, a dematiaceous aero-aquatic hyphomycete with tetraradiate conidia. **Mycotaxon** 29: 285 - 290.
11. Nawawi, A. & Kuthubutheen, A.J. (1987). Tetrabrachium elegans genus et species nova, a hyphomycete with tetraradiate conidia. **Mycotaxon** 29: 291 - 297.
12. Kuthubutheen, A.J. & Nawawi, A. (1987). Cryptophialoidea genus nova on decaying leaves from Malaysia. **Transactions of the British Mycological Society** 89: 581 - 583.
13. Kuthubutheen, A.J. & Nawawi, A. (1987). A new species of Speiropsis from Malaysia. **Transactions of the British Mycological Society** 89: 584 - 587.

14. Nawawi, A. & Kuthubutheen, A.J. (1987). A new species of the genus Subulispora. **Mycotaxon** 31: 459 - 463.
15. Nawawi, A. & Kuthubutheen, A.J. (1988). Another new Hyphomycete from leaf litter. **Mycotaxon** 31: 339 - 343.
16. Nawawi, A. & Kuthubutheen, A.J. (1988). Camposporidium, A new Phragmoconidial genus of Hyphomycetes. **Mycotaxon** 32: 161 - 167.
17. Kuthubutheen, A.J. & Nawawi, A. (1988). A new species of Wiesneriomyces on decaying submerged leaves from Malaysia. **Transactions of the British Mycological Society** 96: 619 - 625.
18. Nawawi, A. & Kuthubutheen, A.J. (1988). Tricladiospora, a new genus of dematiaceous hyphomycetes from submerged leaves. **Transactions of the British Mycological Society** 90: 482 - 487.
19. Nawawi, A. & Kuthubutheen, A.J. (1988). Beverwykella cerebriformis sp. nov. an aero-aquatic hyphomycete from Malaysia. **Transactions of the British Mycological Society** 90: 487 - 491.
20. Kuthubutheen, A.J. & Nawawi, A. (1988). Two new species of Kionochaeta (Hyphomycetes) and K. ramifera from Malaysia. **Transactions of the British Mycological Society** 90: 437 - 444.
21. Nawawi, A. & Kuthubutheen, A.J. (1988). Tricladomyces geniculatus sp. nov., a conidial Basidiomycete. **Transactions of the British Mycological Society** 90: 670 - 673.
22. Nawawi, A. & Kuthubutheen, A.J. (1988). A new species of the genus Dendryphiosphaera. **Mycotaxon** 32: 461 - 466.
23. Nawawi, A. & Kuthubutheen, A.J. (1988). Additions to Condylospora (Hyphomycetes) from Malaysia. **Mycotaxon** 33: 329 - 338.
24. Kuthubutheen, A.J. & Nawawi, A. (1988). A new species of Selenosporella (Hyphomycetes) from Malaysia. **Transactions of the British Mycological Society** 91: 331 - 334.
25. Sutton, B.C. & Kuthubutheen, A.J. (1988). Additions to Belemnospora and Cryptophiale from Malaysia. **Mycological Research** 92: 354 - 358.
26. Nawawi, A. & Kuthubutheen, A.J. (1989). Canalisporium, a new genus of lignicolous Hyphomycetes from Malaysia. **Mycotaxon** 34: 473 - 487.
27. Nawawi, A. & Kuthubutheen, A.J. (1989). A new taxon in Colispora (Hyphomycetes) from Malaysia. **Mycotaxon** 34: 497 - 501.
28. Nawawi, A. & Kuthubutheen, A.J. (1989). Quadricladium aquaticum gen. et sp. nov., an aquatic hyphomycete with tetra-radiate conidia. **Mycotaxon** 34: 489 - 495.

29. Ibrahim, H., Kuthubutheen, A.J. & Nawawi, A. (1989). The application of polyacrylamide gel electrophoresis in the identification of Curvularia spp.: a preliminary study. **Malaysian Journal of Science** **11**: 41 - 44.
30. Nawawi, A. & Kuthubutheen, A.J. (1990). Nidulispora gen. nov., a Hyphomycete genus with crateriform conidia. **Mycotaxon** **36**: 329 - 336.
31. Nawawi, A., Kuthubutheen, A.J. & Sutton, B.C. (1990). New species and combinations in Vermiculariopsiella (Hyphomycetes). **Mycotaxon** **37**: 173 - 182.
32. Nawawi, A. & Kuthubutheen, A.J. (1990). Addition to Subulispora in Malaysia. **Mycotaxon** **37**: 380 - 393.
33. Nawawi, A. & Kuthubutheen, A.J. (1990). Obeliospora, a new genus of setose, phialosporous Hyphomycetes with appendaged conidia. **Mycotaxon** **37**: 395 - 400.
34. Kuthubutheen, A.J. & Nawawi, A. (1991). Dictyochaeta macrospora sp. nov. : a litter inhabiting Hyphomycete from Malaysia. **Mycological Research** **95**: 248 - 250.
35. Kuthubutheen, A.J. & Nawawi, A. (1990). Dictyochaeta hamata and D. pahagensis, two new species with lateral phialides. **Mycological Research** **94**: 840 - 846.
36. Kuthubutheen, A.J. & Nawawi, A. (1991). Three new species of Dictyochaeta with non-setose conidiophores and non-septate setulate conidia. **Mycological Research** **95**: 104 - 107.
37. Kuthubutheen, A.J. & Nawawi, A. (1989). Two new species of Spadicoides from Malaysia. **Mycological Research** (in press).
38. Kuthubutheen, A.J. & Nawawi, A. (1989). A new species of Ceratosporella and Triposporium lambdaseptatum comb. nov. from Malaysia. **Mycological Research** (in press).
39. Kuthubutheen, A.J. & Nawawi, A. (1990). Polytretophora dendriodea sp. nov. and P. calcarata (Hyphomycetes) from Malaysia. **Mycological Research** (in press).
40. Kuthubutheen, A.J. & Nawawi, A. (1990). Eight new species of Dictyochaeta from Malaysia. **Mycological Research** (in press).
41. Kuthubutheen, A.J. & Nawawi, A. (1990). Dictyochaeta guadalcanalensis comb. nov. and several new records of the genus in Malaysia. **Mycological Research** (in press).
42. Kuthubutheen, A.J. & Nawawi, A. (1990). Key to Dictyochaeta and Codinaea species. **Mycological Research** (in press).

SECTION B : ECOLOGY OF FUNGAL COMMUNITIES

43. Kuthubutheen, A.J. (1979). Thermophilous fungi associated with freshly-harvested rice seeds. **Transactions of the British Mycological Society** 73: 357 - 359.
44. Kuthubutheen, A.J. (1981). Notes on the macrofungi of Langkawi. **Malayan Nature Journal** 34: 123 - 130.
45. Kuthubutheen, A.J. (1981). Occurrence and growth of mesophilic and thermophilous fungi in palm oil mill effluent. **Transactions of the British Mycological Society** 77: 420 - 423.
46. Kuthubutheen, A.J. (1981). Fungi associated with the aerial parts of Malaysian mangrove plants. **Mycopathologia** 76: 33 - 44.
47. Kuthubutheen, A.J. (1982). Thermophilous fungi from Malaysia. **Transactions of the British Mycological Society** 79: 548 - 555.
48. Kuthubutheen, A.J. (1983). Growth and sporulation of thermophilous fungi on agar containing various carbon and nitrogen compounds. **Mycopathologia** 82: 45 - 48.
49. Kuthubutheen, A.J. (1983). Thermophilous and mesophilic fungi in an enriched and unamended loamy garden soil in Malaysia. **Malaysian Journal of Sciences** 7: 27 - 34.
50. Kuthubutheen, A.J. (1984). Leaf surface fungi associated with Avicennia alba and Rhizophora mucronata in Malaysia. **Asian Symposium on Mangrove Environment** (ed. E. Soepadmo, A.N. Rao & D.J. Macintosh), pp. 153 - 171.
51. Anson, A.E., Fisher, P.J. & Kuthubutheen, A.J. (1985). Interactions between Pilobolus crystallinus and Pseudomonas paucimobilis isolated from rabbit dung. **Transactions of the British Mycological Society** 85: 161 - 164.
52. Kuthubutheen, A.J. & Webster, J. (1986). Water availability and the coprophilous fungus succession. **Transactions of the British Mycological Society** 86: 63 - 77.
53. Kuthubutheen, A.J. & Webster, J. (1986). The effects of water activity on germination, growth and sporulation of coprophilous fungi. **Transactions of the British Mycological Society** 86: 77 - 91.
54. Kuthubutheen, A.J. & Sepiah Muid (1988). Fungus succession on fruit trees and its importance to the control of fruit tree diseases in Malaysia. In **Proceedings of the 2nd Asian Conference on Technology and Rural Development 1985** (ed. S. Radhakrishna, M. Mohinder Singh & C.K. John), pp. 683 - 699.
55. Vikineswary, S., Kuthubutheen, A.J. & Ravoof, A.A. (1988). Optimisation of growth conditions and the effect of growth of selected fungi on the pollution load of palm oil mill sludge. In **Proceedings of the 2nd Asian Conference on Technology and Rural Development 1985** (ed. S. Radhakrishna, M. Mohinder Singh & C.K. John), pp. 272 - 283.

56. Kuthubutheen, A.J. (1988). Biotechnology research at the University of Malaya with special reference to agriculture and animal production. **In Proceedings 2nd JSPS-VCC Seminar on Chemistry, Biotechnology and Environmental Engineering, Kyoto University, Japan; 6 - 7 December 1988; pp. 192 - 200.**
57. Kuthubutheen, A.J. (1988). Fungi associated with mango flowers in Malaysia. **Malaysian Journal of Science 10: 1 - 7.**
58. Thambirajah, J.J. & Kuthubutheen, A.J. (1989). Composting of palm press fibre. **Biological Wastes 27: 257 - 269.**
59. Gareth-Jones, E.B. & Kuthubutheen, A.J. (1989). Malaysian mangrove fungi. **Sydowia 41: 160 - 169.**

SECTION C : RESPONSE OF FUNGI TO FUNGICIDES

60. Kuthubutheen, A.J. & Pugh, G.J.F. (1977a). Effects of fungicides on the growth rates of thermophilous fungi. **Mycopathologia 62: 67 - 76.**
61. Kuthubutheen, A.J. & Pugh, G.J.F. (1978). Effects of fungicides on the occurrence of leaf surface thermophilous fungi. **Mycopathologia 63: 131 - 141.**
62. Kuthubutheen, A.J. & Pugh, G.J.F. (1978). Effects of fungicides on the physiology of phylloplane fungi. **Transactions of the British Mycological Society 71: 261 - 269.**
63. Pugh, G.J.F. & Kuthubutheen, A.J. (1979). Effects of fungicides on cellulose and starch hydrolysis by thermophilous and mesophilic fungi. **Journal of Thermal Biology 4: 23 - 28.**
64. Kuthubutheen, A.J. & Pugh, G.J.F. (1979). Effects of fungicides on the biology of *Chrysosporium pannorum* (Link) Hughes. **Antonie von Leeuwenhoek Journal of Microbiology & Serology 45: 65 - 79.**
65. Kuthubutheen, A.J. & Pugh, G.J.F. (1979). Effects of fungicides on *Aspergillus fumigatus*. **Antonie von Leewenhoek Journal of Microbiology & Serology 45: 303 - 312.**
66. Kuthubutheen, A.J. & Pugh, G.J.F. (1979). Effects of fungicides on soil fungal population. **Soil Biology & Biochemistry 11: 297 - 304.**
67. Kuthubutheen, A.J. & Pugh, G.J.F. (1979). The effect of fungicides on the germination of thermophilous fungi. **Transactions of the British Mycological Society 73: 373 - 376.**
68. Kuthubutheen, A.J. (1980). Effects of pesticides on leaf and seed surface fungi of rice. **Proceedings of the Vth International Symposium of Tropical Ecology 16-21 April 1979, Kuala Lumpur Part 2** (ed. J.I. Furtado), pp. 1021 - 1028. International Society of Tropical Ecology.

69. Kuthubutheen, A.J. (1984). Effect of pesticides on seed-borne fungi and fungal succession on rice in Malaysia. **Journal of Stored Products Research** 20: 31 - 39.
70. Kuthubutheen, A.J. (1984). Effect of fungicides and insecticides on leaf surface fungi of rice (Oryza sativa). **Malaysian Journal of Applied Biology** 13: 67 - 74.
71. Kuthubutheen, A.J. & Nawawi, A. (1988). Fungi associated with banana ('Pisang Mas') and the potential role of some novel triorganotin (IV) compounds in the control of diseases of banana. **ASEAN Food Journal** 3: 95 - 100.
72. Kumar Das, V.G. & Kuthubutheen, A.J. (1988). Application-oriented studies on organotin compounds. In **Proceedings 2nd JSPS-VCC Seminar on Chemistry, Biotechnology and Environmental Engineering, Kyoto University, Japan; 6 - 7 December 1988**; 10 pp. 37 - 46.
73. Kuthubutheen, A.J., Wickneswari, R. & Kumar Das, V.G. (1989). Structure-activity studies on the fungitoxicity of some triorganotin (IV) compounds. **Journal of Applied Organometallic Chemistry** 3: 231 - 242.
74. Kuthubutheen, A.J., Wickneswari, R. & Kumar Das, V.G. (1989). Efficacy of selected triorganotin (IV) compounds against Phytophthora palmivora (Butler) Butler isolated from black pepper and cocoa. **Journal of Applied Organometallic Chemistry** 3: 243 - 248.
75. Kuthubutheen, A.J., Wickneswari, R. & Kumar Das, V.G. (1989). Changes in fungal and bacterial populations in soil treated with two triorganotin (IV) compounds. **Journal of Applied Organometallic Chemistry** 3: 309 - 318.
76. Kuthubutheen, A.J., Wickneswari, R. & Kumar Das, V.G. (1989). Effect of six triorganotin (IV) compounds on nitrification and ammonification in soil. **Journal of Applied Organometallic Chemistry** 3: 319 - 333.
77. Kuthubutheen, A.J., Wickneswari, R. & Kumar Das, V.G. (1989). Persistence of fungitoxicity of selected triorganotin (IV) compounds in soil. **Journal of Applied Organometallic Chemistry** 3: 451 - 457.
78. Kumar Das, V.G., Kuthubutheen, A.J., Balabaskaran, S. & Ng Seik Weng (1989). Some recent structural results and biological work on organotin (IV) compounds. **Main Group Metal Chemistry** 12: 389 - 424.
79. Kuthubutheen, A.J., Zarina Abdullah & Ansary Ahmed (1989). Effects of repeated applications of single and double doses of thiram, benomyl, diuron and dieldrin on soil fungi and bacteria. **Malaysian Journal of Science** 11: 9 - 32.

80. Ng, S.W., Kuthubutheen, A.J., and others (1990). Triphenyltin derivatives of isothiazol-3 (2H)-one 1,1-dioxides. Synthesis, Mossbauer spectroscopy and some fungitoxicity results, and the crystal structure of 2-triphenylstannyl 1,2-benzisothiazol-3(2H)-one 1,1-dioxide *N,N-dimethylformamide. **Journal of Organometallic Chemistry** (in press).
81. Sepiah M., Acedo, A.L., Sabari, S.D., Ilag, L.L. and Kuthubutheen, A.J. (1990). Postharvest pathology of banana. In **Banana : Fruit Development, Postharvest Physiology, Handling and Marketing in ASEAN**. (Ed. Abdullah Hassan & Er. B. Pantastico) pp. 104 - 116.
82. Kuthubutheen, A.J., Y. Salahudin & Kumar Das, V.G. (1990). Effects of two triorganotin (IV) compounds on rubberwood biodeterioration. **Chemistry and Technology of Silicon and Tin, Oxford University Press** (in press).

PATENTS

83. ORGANOTIN ESTERS OF DITHIOCARBAMYLACETIC ACID - THEIR MANUFACTURE AND USE AS PESTICIDES (V.G. Kumar Das, Kuthubutheen bin Ahmed Jalaludin, Ng Seik Weng and Ng Wee Kong). Malaysian Patent No. PI 8700031 (14.1.1987).
84. PREPARATION OF FUNGICIDAL AND INSECTICIDAL CYCLOPENTYLTIN (IV) AND MIXED ARYLCYCLOPENTYLTIN (IV) COMPOUNDS (V.G. Kumar Das, Kuthubutheen bin Ahmed Jalaludin and Balabaskaran Shanmugam). Malaysian Patent No. PI 8702916 (14.10.1987).