

เอกสารอ้างอิง

- ก. กุลทล. 2524. *ตำรายาพื้นบ้าน*. กรุงเทพฯ: ปรึกษาการพิมพ์. น.45.
- กลุ่มพืชสมุนไพรและเครื่องเทศ. 2543. *คู่มือพืชสมุนไพรและเครื่องเทศ ชุดที่ 5 พืชสมุนไพรเสริมสุขภาพ*. กองส่งเสริมพืชสวน กรมส่งเสริมการเกษตร. สำนักงานส่งเสริมการเกษตรภาคใต้. อนุรักษ์พันธุ์พืชไทย. (อัคราณา).
- กลุ่มพืชสมุนไพรและเครื่องเทศ. 2548. *การปลูกพืชสมุนไพร*. กองส่งเสริมพืชสวน กรมส่งเสริมการเกษตร. (Online). Available: http://www.doae.go.th/library/html/detail/linn/Linn4_1.htm [Accessed Mar 19, 2006].
- กองวิจัยทางการแพทย์. 2526. *สมุนไพรพื้นบ้าน ตอนที่ 1*. กรุงเทพฯ: กรมวิทยาศาสตร์การแพทย์. กระทรวงสาธารณสุข. น.85.
- กรมส่งเสริมการเกษตร. 2549. *สถานการณ์การผลิตและการตลาดมังคุด*. ใน *ฐานความรู้ด้านพืชกรมวิชาการเกษตร*. (Online). Available: <http://www.doa.go.th/data-agri/MANSTEEN/1stat/st02.html> [Accessed Feb 28, 2006].
- จรัส ทองมา. 2541. รายงานประจำปี พ.ศ. 2541. โครงการอนุรักษ์ธรรมชาติและสัตว์ป่าสวนป่าพระนามาภิไธยภาคใต้ พื้นที่ส่วนที่ 2. (Online). Available: <http://www.forest.go.th/balahala/repo2541/f06.html> [Accessed Mar 1, 2006].
- เจษฎา เค้นดวงบริพันธ์. 2545. การสร้างวงศ์วานวิวัฒนาการการขึ้นมาใหม่ ขึ้นพื้นฐาน (Basic phylogenetic reconstruction). ใน เอกสารประกอบ *การประชุมวิชาการเรื่อง Molecular Techniques for Biodiversity Research*. คณะวิทยาศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย 11-12 ธันวาคม 2545.
- พร้อมจิต ศรีลัมภ์. รุ่งระวี เต็มศิริฤกษ์กุล, วงศ์สถิตย์ นั้วสกุล, อาทร ธีวไพบูลย์, สมภพ ประธานธูราษฎร์, จุฑามณี จารุจินดา และเพชรรัตน์ พงษ์เจริญสุข. 2535. *สมุนไพรสวนสิริรุกชาติ*. กรุงเทพฯ: อมรินทร์ พรินติ้ง กรุ๊ป.
- พรทิพย์ นาเลี่ยน. 2546. การคัดเลือกกราเอน โดไฟท์จากมังคุดที่สร้างสารต้านจุลินทรีย์. *โครงการงานทางจุลชีววิทยา ภาควิชาจุลชีววิทยา คณะวิทยาศาสตร์ มหาวิทยาลัยสงขลานครินทร์*.
- ต่อศักดิ์ สีลานันท์. 2545 ก. Phylogenetic analysis: การวิเคราะห์สายสัมพันธ์ทางวิวัฒนาการ. ใน เอกสารประกอบ *การประชุมวิชาการเรื่อง Molecular Techniques for Biodiversity Research*. คณะวิทยาศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย 11-12 ธันวาคม 2545.
- ต่อศักดิ์ สีลานันท์. 2545 ข. ปฏิบัติการวิเคราะห์สายสัมพันธ์ทางวิวัฒนาการ. ในเอกสารประกอบ

- การประชุมวิชาการเรื่อง *Molecular Techniques for Biodiversity Research*. คณะ
วิทยาศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย. 11-12 ธันวาคม 2545.
- วีณา ศิลปอาษา. 2529. ตำรายาพื้นบ้าน. กรุงเทพฯ: โครงการสมุนไพรรักษาเพื่อตนเอง. น.16.
- วิทยา มีวุฒิสม, นงลักษณ์ ศรีอุบลมาศ, สุเทพ ไวยครุฑธา และนิจศิริ เรืองรังษี. 2542. การตรวจ
กรองหาสารมีฤทธิ์ทางชีวภาพของราเอนโดไฟท์ในต้นพืชสมุนไพรรักษา. *รวมบทความ
โครงการวิจัยและวิทยานิพนธ์ การประชุมวิชาการประจำปี โครงการ BRT ครั้งที่ 3 ณ
โรงแรม เจ.บี. หาดใหญ่ จังหวัดสงขลา* 11-14 ตุลาคม 2542. น. 238.
- วรสา ทองคำ. 2545. ฤทธิ์ต้านแบคทีเรีย *Staphylococcus aureus* ที่คือต่อยา methicillin ของสาร
สกัดจากต้น *Garcinia nigrolineata* Plach. ex T. Anders. และ *Garcinia merguensis* Wight.
โครงการงานทางจุลชีววิทยา ภาควิชาจุลชีววิทยา คณะวิทยาศาสตร์
มหาวิทยาลัยสงขลานครินทร์.
- สถาบันการแพทย์แผนไทย. 2548. *ส้มแขก*. ใน สมุนไพรไทย. (Online): Available:
http://www.dtam.moph.go.th/ittm/product_champion/herb9.htm [Accessed Feb 23, 2006]
- สำนักงานเกษตรจังหวัดยะลา. 2548. *ส้มแขก*. ใน พืชเศรษฐกิจสำคัญ. (Online): Available:
<http://yala.doae.go.th/data/orang%20kak01.doc> [Accessed Feb 23, 2006]
- ส่วนพฤกษศาสตร์ป่าไม้ สำนักวิชาการป่าไม้ กรมป่าไม้. 2542. *พรรณไม้ต้นของประเทศไทย*.
กรุงเทพฯ: ไดมอนด์ พรินติ้ง.
- ศิริวรุณ กลิ่นบุหงา. 2544. *Phylogenetics และความหลากหลายทางพันธุกรรมของสิ่งมีชีวิต*.
ชีวสารสนเทศศาสตร์. วสันต์ จันทราทิตย์ และวีระพงษ์ ลูไลตันนท์ (บก.). กรุงเทพฯ:
สำนักงานพัฒนาวิทยาศาสตร์และเทคโนโลยีแห่งประเทศไทย. น. 149-171.
- ศูนย์บริการเอกสารการวิจัยแห่งประเทศไทย. 2459. *สมุนไพรรักษาโรค*. ใน *Medicinal plant
database*. สถาบันวิจัยวิทยาศาสตร์และเทคโนโลยีแห่งประเทศไทย (วว.). (Online).
http://tndc.tistr.or.th/medicinalplants/medplant_index.asp [Accessed Feb 22, 2006].
- Abe, F., Nagafuji, S., Okabe, H., Akahane, H., Estrada, M. E., Huerta, R.M., Reyes, R.R. 2004.
Trypanocidal Constituents in Plants 3.1) Leaves of *Garcinia intermedia* and Heartwood
of *Calophyllum brasiliense*. *Biological Pharmaceutical Bulletin*. 27: 141-143.
- Adaramoye, O. 2003. *In vitro* inhibition of LDL-oxidation by Kolaviron-A biflavonoid complex
from *Garcinia kola* seed. *XIIIth International symposium on atherosclerosis*.
September 28-October 2, 2003. Kyoto, Japan.
- Akoachere, J.F., Ndip, R.N., Chenwi, E.B., Ndip, L.M., Njock, T.E. and Anong, D.N. 2002.

- Antibacterial effect of *Zingiber officinale* and *Garcinia kola* on respiratory tract pathogens. *East African Medical Journal*. 79: 588-592.
- Alves, A., Phillips, A.J.L., Henriques, I. and Correia, A. Evaluation of amplified ribosomal DNA restriction analysis as a method for the identification of *Botryosphaeria* species. *FEMS Microbiology Letters*. 245: 221-229.
- AIT, 2006. *Garcinia* in Queen Sirikit arboretum garden. (Online).
Available: <http://www.arboretum.ait.ac.th/> [Accessed Feb 22, 2006].
- Amyes, S.G.B. and Thomson, C.J. 1995. Antibiotic resistance in the ICU; the eve of destruction. *British Journal of Intensive Care*. 5: 263-271.
- Anzai, Y., Saito, N., Tanaka, M., Kinoshita, K., Koyama, Y. and Kato, F. 2003. Organization of the biosynthetic gene cluster for the polyketide macrolide mycinamicin in *Micromonospora griseorubida*. *FEMS Microbiology Letters*. 218: 135-141.
- Arnold, A.E., Maynard, Z., Gilbert, G., Coley, P.D. and Kursar, T.A. 2000. Are tropical fungal endophytes hyperdiverse? *Ecology Letters*. 3: 267-274.
- Arnold, A.E., Mejia, L.C., Kylo, D., Rojas, E., Maynard, Z., Robin, N. and Herre, E.A. 2003. Fungal endophytes limit pathogen damage in a tropical tree. *Proceedings of the National Academy of Sciences of the United States of America*. 100: 15649-15654.
- Artjariyasripong, S. Mitchell, J.I., Hywell-Jone, N.L. and Jones, E.B.G. 2001. Relationship of the genus *Cordyceps*, and related genera, based on parsimony and spectral analysis of partial 18S and 28S ribosomal gene sequences. *Mycoscience*. 42: 503-517.
- Atmosukarto, I., Castillo, U., Hess, W.M., Sears, J. and Strobel, G. 2005. Isolation and characterization of *Muscodor albus* I-41.3s, a volatile antibiotic producing fungus. *Plant Science*. 169: 854-861.
- Azevedo, J.L., Maccheroni Jr., W., Pereira, J.O. and Araújo, W.L. 2000. Endophytic microorganisms: a review on insect control and recent advances on tropical plants. *Electric Journal of Biotechnology*. 3: 40-65.
- Bacon, C.W. and Hinton, D.M. 1996. Fusaric acid and pathogenic interactions of corn and non-corn isolates of *Fusarium moniliforme*, a nonobligate pathogen of corn. *Advances in Experimental Medicine and Biology*. 392: 175-191.
- Bacon, C.W. and White, J.F. 2000. *Microbial Endophytes*. New York: Marcel Dekker Inc.

- Bacon, C.W., Yates, I.E., Hinton, D.M. and Meredith, F. 2001. The potential impacts of climate variability and change on air pollution-related health effects in the United States. *Environmental Health Perspectives*. 109: 325-332.
- Bakana, P., Claeys, M., Totte, J., Pieters, L.A., Van Hoof, L., Tamba-Vemba, Van den Berghe, D.A. and Vlietinck, A.J. 1987. Structure and chemotherapeutical activity of a polyisoprenylated benzophenone from the stem bark of *Garcinia huillensis*. *Journal of Ethnopharmacology*. 21:75-84.
- Bayman, P., Angulo-Sandoval, P., Báez-Ortiz, Z. and Lodge, D.J. 1998. Distribution and dispersal of *Xylaria* endophytes in two tree species in Puerto Rico. *Mycological Research*. 102: 944-948.
- Baayen, R. P., Bonants, P. J. M., Verkley, G., Carroll, G. C., van der Aa, H. A., de Weerd, M., van Brouwershaven, I. R., Schutte, G. C., Maccheroni, W., Jr., Glienke de Blanco, C. and Azevedo, J. L. 2002. Nonpathogenic isolates of the citrus black spot fungus, *Guignardia citricarpa*, identified as a cosmopolitan endophyte of woody plants, *G. mangiferae* (*Phyllosticta capitalensis*). *Phytopathology*. 92: 464-477.
- Barrow, K.D. and Chain, E.B. 1969. The wilting toxins of *Fusicoccum amygdale* Del. *Biochemical Journal*. 114: 4p-5p.
- Bennett, G.J. and Lee, H.H. 1989. Xanthonenes from Guttiferae. *Phytochemistry* 28: 967-998.
- Bishop, D.L. 2002. Gene expression of a vascular peroxidase with stress-induced pathogenesis in wheat sheaths. *Physiological and Molecular Plant Pathology*. 61: 65-71.
- Blackwell, M., Vilgalys, R. and Taylor, J. W. 2005. *Fungi. Eumycota: mushrooms, sac fungi, yeast, molds, rusts, smuts, etc.* (Online). Available: <http://tolweb.org/Fungi/2377> [Accessed Mar 30, 2006].
- Boudjella, H., Bouti, K., Zitouni, A., Mathieu, F., Lebrihi, A. and Sabaou, N. 2005. Taxonomy and chemical characterization of antibiotics of *Streptosporangium* sg10 isolated from a Saharan soil. *Microbiological Research*. (Article in Press).
- Brady, S.F. and Clardy, J. 2000. CR337, a new pentaketide antifungal agent isolated from an endophytic fungus. *Journal of Natural Products*. 63: 1447-1448.
- Brown, J. C., Shanahan, P. M. A., Jesudason, M. V., Thomson, C. J. and Amyes, S. G. B. 1996.

- Mutations responsible for reduced susceptibility to 4-quinolones in clinical isolates of multi-resistant *Salmonella typhi* in India. *The Journal of Antimicrobial Chemotherapy* 37: 891–900.
- Bruns, T.D., Fogel, R. and Taylor, J.W. 1990. Amplification and sequencing of DNA from fungal herbarium specimens. *Mycologia* 82: 175-184.
- Bruns, T.D., White, T.J. and Taylor, J.W. 1991. Fungal molecular systematics. *Annual Review of Ecology and Systematic*. 22: 525-564.
- Bouton, J. 2002. *Tall fescue toxicity leads to the development of 'Max Q'*. in Ag news and views. In The Samuel Robert's NOBEL Foundation. (Online). Available: <http://www.noble.org/Ag/Research/Articles/TallFescueToxicity/Index.htm> [Accessed Mar 20, 2006].
- Burapadaja, S. 1989. Structure and antibacterial activity of constituents from *Garcinia mckeaniana* Craib and *Garcinia Speciosa* Wall. M.Sc. Thesis, Chiangmai University, Thailand. (Unpublished).
- Camatti-Sartori, V., da Silva-Riberio, R.T., Valdelbenito-Sanhueza, R.M., Pagnocca, F.C., Echeverrigaray, S. and Azevedo, J.L. 2005. Endophytic yeasts and filamentous fungi associated with southern Brazilian apple (*Malus domestica*) orchards subjected to conventional, integrated or organic cultivation. *Journal of Basic Microbiology*. 45: 397-402.
- Camin, J. H., and Sokal, R.R. 1965. A method for deducing branching sequences in phylogeny. *Evolution* 19: 311-326.
- Campos, F.R., Barison, A., Daolio, C., Ferreira, A.G. and Rodrigues-Fo, E. 2005. Complete ¹H and ¹³C NMR assignments of aurasperone A and fonsecinone A, two bis-naphthopyrones produced by *Aspergillus aculeatus*. *Magnetic Resonance in Chemistry*. 43: 962-965.
- Chamber, S.M., Sawyer, N. A. and Cairney, J.W.G. 1999. Molecular identification of co-occurring *Cortinarius* and *Dermocybe* species from southeastern Australian sclerophyll forests. *Mycorrhiza*. 9: 85-90.
- Chang, J.M., Oyaizu, H. and Sugiyama, J. 1991. Phylogenetic relationships among eleven selected species of *Aspergillus* and associated teleomorphic genera estimated from 18S ribosomal RNA partial sequence. *Journal of General and Applied Microbiology*. 37: 289-308.

- Chanmahasathien, W., Li, Y., Satake, M., Oshima, Y., Ruangrungsri, N. and Ohizumi, Y. 2003. Prenylated xanthenes with NGF-potentiating activity from *Garcinia xanthochymus*. *Phytochemistry* 64: 981-986.
- Chatmala, I., Sakayaroj, J., Phongpaichit, S. and Jones, E.B.G. 2003. Molecular techniques and their use in determining fungal phylogeny and identification of non-sporulating and unculturable fungi. in *Biothailand 2003, Technology for Life*. 17-20 July 2003. Pattaya, Thailand, National Center for Genetic Engineering and Biotechnology (BIOTEC). (poster presentation).
- Chairungsrilerd, N., Takeuchi, K., Ohizumi, Y., Nozoe, S. and Ohta, T. 1996. Mangostanol, a prenyl xanthone from *Garcinia mangostana*. *Phytochemistry*. 43: 1099-1102.
- Chen, S.X., Wan, M. and Loh, B.N. 1996. Active constituents against HIV-1 protease from *Garcinia mangostana*. *Planta Medica*. 62: 381-382.
- Chomnawang, M.T., Surassmo, S., Nukoolkarn, V.S. and Gritsanapan, W. 2005. Antimicrobial effects of Thai medicinal plants against acne-inducing bacteria. *Journal of Ethnopharmacology*. 101: 330-333.
- Chomcheon, P., Wiyakrutta, S., Sriubolmas, N., Ngamrojanavanich, N., Isarangkul, D. and Kittakoop, P. 2005. 3-Nitropropionic acid (3-NPA), a potent antimycobacterial agent from endophytic fungi: Is 3-NPA in some plants produced by endophytes? *Journal of Natural Products*. 68: 1103-1105.
- Clay, K. 2004. Fungi and the food of gods. *Nature*. 427: 401-402.
- Collinge, D.B. 2000. *Fungal taxonomy*. In *Fungal and bacterial taxonomy, diagnostics, and ecology*. (Online). Available: <http://www.uk.plbio.kvl.dk/~dacoj3/diag/tax-diag.htm> [Accessed 17, April 2006].
- Cowan, M.M. 1999. Plant products as antimicrobial agents. *Clinical Microbiology Reviews*. 12: 564-582.
- Davidson, R.W. and Lorenz, R.C. 1938. Species of *Eutypella* and *Schizosydon* associated with canker of maple. *Phytopathology*. 28: 733-745.
- Davis, E.C., Franklin, J.B., Shaw, A.J. and Vilgalys, R. 2003. Endophytic *Xylaria* (Xylariaceae) among liverworts and angiosperms: phylogenetics, distribution, and symbiosis. *American Journal of Botany*. 90: 1661-1667.

- Dalhoff, A. 1994. Quinolone resistance in *Pseudomonas aeruginosa* and *Staphylococcus aureus*. Development during therapy and clinical significance. *Infection*. 22: 111–121.
- Deachathai, S. Mahabusarakam, W. Phongpaichit, S. and Taylor, W.C. 2005. Phenolic compounds from the fruit of *Garcinia dulcis*. *Phytochemistry*. 66: 2368-2375.
- Deachathai, S. Mahabusarakam, W. Phongpaichit, S., Taylor, W.C., Zhang, Y.J. and Yang, C.R. 2006. Phenolic compounds from the flowers of *Garcinia dulcis*. *Phytochemistry*. 67: 464-469.
- Denman, S., Crous, P.W., Groenewald, J.Z., Slipper, B., Wingfield, B.D. and Wingfield, M.J. 2003. Circumscription of *Botryosphaeria* species associated with Proteaceae based on morphology and DNA sequence data. *Mycologia*. 95: 294-307.
- Dettrakul, S., Kittakoop, P., Isaka, M., Nopichai, S., Suyarnsestakorn, C., Tanticharoen, M. and Thebtaranonth, Y. 2003. Antimycobacterial Pimarane Diterpenes from the fungus *Diaporthe* sp. *Bioorganic and Medical Chemistry Letters*. 13: 1253-1255.
- de Wet, J. Wingfield, M.J. and Coutinho, T.A. 2000. Characterization of *Sphaeropsis sapinea* isolates from South Africa, Mexico, and Indonesia. *Plant Disease*. 84: 151-156.
- Digital Flora of Texas. 2006. *Image of Clusiaceae*. in Vascular plant image library. (Online). Available: <http://www.csdl.tamu.edu/FLORA/imaxxclu.htm> [Accessed Mar 19, 2006].
- Dix, N.J. and Webster, J. 1995. *Fungal Ecology*. New York: Chapman & Hall. pp. 549.
- dos Santos, R.M. and Rodrigues-Fo, E. 2003. Further meroterpenes produced by *Penicillium* sp., an endophyte obtained from *Melia azedarach*. *Zeitschrift fur Naturforschung Section C Journal of Bioscience*. 58: 663-669.
- Drenth, A. 2001. *Development of molecular diagnostics for fungal pathogens*. Workshop manual edition 1.0. CRC for tropical plant protection, October 2001, 50 pp. The University of Queensland, Brisbane, Australia.
- Dreyfuss, M. and Petrini, O. 1984. Further investigations on the occurrence and distribution of endophytic fungi in tropical plants. *Botanica Helvetica*. 94: 33-40.
- Ellis, J.T., Amoyal, G., Ryce, C., Harper, P.A.W. Clough, K.A., Homan, W.L. and Brindley, P.J. 1998. Comparison of the large subunit ribosomal DNA of *Neospora* and *Toxoplasma* and development of a new genetic marker for their differentiation based on the D2 domain. *Molecular and Cellular Probes*. 12: 1-13.

- Elsässer, B., Krohn, K., Flörke, U., Root, N., Aust, H.J., Draeger, S., Schulz, B., Antus, S. and Kurtán, T. 2005. X-ray structure determination, absolute configuration and biological activity of phomoxanthone A. *European Journal of Organic Chemistry*. 21: 4563-4570.
- Esimone, C.O., Nwafor, S.V., Okoli, C.O., Chah, K.F., Uzuegbu, D.B., Chibundu, C., Eche, M.A. and Adikwu, M.U. 2002. *In vivo* evaluation of interaction between aqueous seed extract of *Garcinia kola* Heckel and ciprofloxacin hydrochloride. *American Journal of Therapeutics*. 9: 275-280.
- Ezra, D., Hess, W.M. and Strobel, G.A. 2004. New endophytic isolates of *Muscodor albus*, a volatile-antibiotic-producing fungus. *Microbiology*. 150: 4023-4031.
- Farr, D.F., Elliott, M., Rossman, A.Y. and Edmonds, R.L. 2005. *Fusicoccum arbuti* sp. nov. causing cankers on pacific madrone in western North America with notes on *Fusicoccum dimidiatum*, the correct name for *Syctalidium dimidiatum* and *Nattrassia mangiferae*. *Mycologia*. 97: 730-741.
- Felsenstein, J. 1985. Confidence limits on phylogenies: an approach using the bootstrap. *Evolution*. 39: 783-791.
- Findley, J.A., Bethelzezi, S., Li, G. and Sevek, M. 1997. Insect toxins from an endophyte fungus from wintergreen. *Journal of Natural Products*. 60: 1214-1215.
- Forestry Department. *Garcinia*. In: An information bulletin on non wood forest product. Food and Agriculture Organization of The United Nations. Available (Online): http://www.fao.org/documents/show_cdr.asp?url_file=/docrep/x1022e/x1022e04.htm [Accessed Feb 22, 2006].
- Freeman, S. and Rodriguez, R.J. Genetic conversion of a fungal plant pathogen to a non-pathogenic, endophytic mutualist. *Science*. 260: 75-78.
- Ganley, R.J. and Newcombe, G. 2006. Fungal endophytes in seeds and needles of *Pinus monticola*. *Mycological Research*. (Article in Press).
- Gao, X.X., Zhou, H., Xu, D.Y., Yu, C.H., Chen, Y.Q. and Qu, L.H. 2005. High diversity of endophytic fungi from the pharmaceutical plant, *Heterosmilax japonica* Kunth revealed by cultivation-independent approach. *FEMS Microbiology Letters*. 249: 255-266.
- Gardes, M., White, T.J., Fortin, J.A., Bruns, T.D. and Taylor, J.W. 1991. Identification of

- indigenous and introduced symbiotic fungi in ectomycorrhizae by amplification of nuclear and mitochondrial ribosomal DNA. *Canadian Journal of Botany*. 69: 180-190.
- Gardes, M. and Bruns, T.D. 1993. ITS primer with enhanced specificity for basidiomycetes- applications to the identification of mycorrhizae and rusts. *Molecular Ecology*. 2: 113-118.
- Ge, J., Ping, W. and Zhou, D. 2004. Characterization of a new species of taxol-producing fungus. *Nature and Science*. 2: 85-88.
- Gennaro, M., Gonthier, P. and Nicolotti, G. 2003. Fungal endophytic communities in healthy and declining *Quercus robur* L. and *Q. cerris* L. trees in Northern Italy. *Journal of Phytopathology*. 151: 529.
- Gentile, A., Rossi, M.S., Cabral, D., Craven, K.D. and Schardl, C.L. 2005. Origin, divergence, and phylogeny of epichloë endophytes of native Argentine grasses. *Molecular Phylogenetics and Evolution*. 35: 196-208.
- Gopalakrishnan, G., Banumathi, B. and Suresh, G. 1997. Evaluation of the antifungal activity of natural xanthenes from *Garcinia mangostana* and their synthetic derivatives. *Journal of Natural Products*. 60: 519-524.
- Glienke-Blanco, C., Aguilar-Vildoso, C.I., Vieira, M.L.C., Barroso, P.A.V. and Azevedo, J.L. 2002. Genetic variability in the endophytic fungus *Guignardia citricarpa* isolated from citrus plants. *Genetic and Molecular Biology*. 25: 251-255.
- Gloer, J.B. 1997. Application of fungal ecology in the search for new bioactive natural products. in *The Mycota. Vol. IV. Environmental and Microbial Relationships*. (Wicklow, D.T. and Soderstrom, B.B.E. eds.). New York: Springer Verlag, pp. 249-268.
- Guarro, J., Gené, J. and Stchigel, A.M. 1999. Developments in fungal taxonomy. *Clinical Microbiology Review*. 12: 454-500.
- Guo, L.D., Hyde, K.D. and Liew, E.C.Y. 1998. A method to promote sporulation in palm endophytic fungi. *Fungal Diversity*. 1: 109-113.
- Guo, B., Dai, J., Ng, S., Huang, Y., Leong, C. Ong, W. and Carte, B.K. 2000. Cytonic acids A and B: novel tridepside inhibitors of hCMV protease from the endophytic fungus *Cytonaema species*. *Journal of Natural Products*. 63: 602-604.
- Guo, L.D., Hyde, K.D. and Liew, E.C.Y. 2000. Identification of endophytic fungi from *Livistona chinensis* (Palmae) based on morphological characters and rDNA sequences.

New Phytologist. 147: 617-630.

- Guo, L.D., Hyde, K.D. and Liew, E.C.Y. 2001. Detection and taxonomic placement of endophytic fungi within frond tissue of *Livistona chinensis* based on rDNA sequences. *Molecular Phylogenetics and Evolution*. 20: 1-13.
- Guo, L.D., Huang, G.R., Wang, Y., He, W.H., Zheng, W.H. and Hyde, K.D. 2003. Molecular identification of white morphotype strains of endophytic fungi from *Pinus tabulaeformis*. *Mycological Research*. 107: 680-688.
- Guo, Q., You, Q., Wu, Z., Yuan, S. and Zhao, L. 2004. General gambogic acids inhibited growth of Human hepatoma SMMC-7721 cells *in vitro* and in nude mice. *Acta Pharmacologica Sinica* 25: 769-774.
- Gustafson, K. R., Blunt, J. W., Munro, M.H.G., Fuller, R.W., McKee, T.C., Cardellina, J.H., II, McMahon, J.B., Cragg, G.M. and Boyd, M.R. 1992. The guttiferones, HIV-inhibitory benzophenones from *Symphonia globulifera*, *Garcinia livingstonei*, *Garcinia ovalifolia* and *Clusia rosea*. *Tetrahedron* 48: 10093-10102.
- Guthrie, R.W. and Kierstead, R. W. Hydroxycitric acid derivatives. U.S. Patent 3993667.
- Hall, T.A. 2005. BioEdit V.7.0.5: a user-friendly biological sequence alignment editor and analysis program for Windows 95/98/NT. (Online). Available: <http://www.mbio.ncsu.edu/BioEdit/bioedit.html> [Accessed Mar 2, 2006].
- Hastings, C.W. and Branes, D.J. 1997. Weight loss composition for burning and reducing synthesis of fats. U.S. Patent 5626849.
- Hibbett, D.S. 1992. Ribosomal RNA and fungal systematics. *Transactions of the Mycological Society Japan*. 33: 533-556.
- Hillis, D.M. and Dixon, M.T. 1991. Ribosomal DNA: Molecular evolution and phylogenetic inference. *Quarterly Review of Biology*. 66: 411-453.
- Hinrikson, H.P., Hurst, S.F., De Aguirre, L. and Morrison, C.J. 2005. Molecular methods for the identification of *Aspergillus* species. *Medical Mycology*. 43: 129-137.
- Hiramatsu, K., Hanaki, H., Ino, T., Yabuta, K., Oguri, T. and Tenover, F.C. 1997. Methicillin-resistant *Staphylococcus aureus* clinical strain with reduced vancomycin susceptibility. *The Journal of Antimicrobial Chemotherapy* 40: 135-146.
- Hoff, J.A., Klopfenstein, N.B, Tonn, J.R., McDonald, G.I., Zambino, P.J., Rogers, J.D., Peever,

- T.L. and Carris, L.M. 2004. Role of woody root-associated fungi in forest ecosystem process: recent advances in fungal identification. *USDA Forest Service RMRS-RP-47*. 1-6.
- Hopple Jr., J.S. and Vilgalys, R. 1999. Phylogenetic relationships in mushroom genus *Coprinus* and dark-spored allies based on sequence data from the nuclear gene coding for the large ribosomal subunit RNA: Divergent domains, outgroups, monophyly. *Molecular Phylogenetics and Evolution*. 13: 1-19.
- Hooker, J.D. 1874a. *The Flora of British India 1*: 263.
- Hooker, J.D. 1874b. *The Flora of British India 1*: 266.
- Horn, W.S., Simmonds, M.S.J., Schwartz, R.E. and Blaney, W.M. 1995. Phomopsichalasin, a novel antimicrobial agent from an endophytic *Phomopsis* sp. *Tetrahedron*. 14: 3969-3978.
- Huang, X., Xie, W. and Gong, Z. 2000. Characteristics and antifungal activity of chitin binding protein from *Ginkgo biloba*. *FEBS Letters*. 478: 123-126.
- Huang, Y., Wang, J., Li, G., Zheng, Z. and Su, W. 2001. Antitumor and antifungal activities in endophytic fungi isolated from pharmaceutical plants *Taxus mairei*, *Cephalataxus fortunei* and *Torreya grandis*. *FEMS Immunology and Medical Microbiology*. 31: 163-167.
- Hutadilok-Towatana, N., Decha, U., Sawangjaroen, K. and Mahabusarakum, W. 2003. Effects of *Garcinia dulcis* Kurz leaf extract in hypercholesterolemic rabbits. Abstract. *The 3rd World Congress on Medicinal and Aromatic Plants for Human Welfare. From Biodiversity through Science and Technology, Trade and Industry to Sustainable Use*. February 3-7, 2003. Chiangmai Mai, Thailand. pp. 04-37.
- Iinuma, M., Tosa, H., Tanaka, T., Kanamaru, S., Asai, F., Kobayashi, Y., Miyauchi, K. and Shimano, R. 1996. Antibacterial activity of some *Garcinia* benzophenone derivatives against methicillin-resistant *Staphylococcus aureus*. *Biological Pharmaceutical Bulletin*. 19: 311-314.
- IPK, 2002. *Query for scientific name*. in Mansfeld's World Database of Agricultural and Horticultural Crops (Online). Available: <http://mansfeld.ipk-gatersleben.de/mansfeld/Query.htm> [Feb 23, 2006]
- IPNI. 2006. *Garcinia*. in The international plant name index. (Online). Available:

- <http://www.ipni.org/index.html> [Feb 23, 2006].
- Jansen, A.B., Gargas, A. Eilenberg, J. and Rosendahl, S. 1998. Relationships of the insect-pathogenic order Entomophthorales (Zygomycota, Fungi) based on phylogenetic analyses of nuclear small subunit ribosomal DNA sequences (SSU rDNA). *Fungal General Biology* 24: 325-334.
- Jena, B.S, Jayaprakasha, G.K. Singh, R.P. and Sakariah, K.K. 2002. Chemistry and biochemistry of (-)-hydroxycitric acid from *Garcinia*. *Journal of Agricultural and Food Chemistry*. 50: 10-22.
- Jinsart, W., Ternai, B. Buddhasukh, D. and Polya, G.M. 1992. Inhibition of wheat embryo calcium-dependent protein kinase and other kinases by mangostin and gamma-mangostin. *Phytochemistry*. 31: 3711-3713.
- Jonniaux, J.L., Blanchet, I. and Dauvrin, T. 2002. Physiological and biochemical characterization of a newly classified *Aspergillus aculeatus* strain. Development of this strain as a host for heterologous gene expression. *Abstract of The Eurofung Meeting in Rolduc*. September 2, 2002.
- Jordaan, A., Taylor, J.E. and Rossenkhan, R. 2006. Occurrence and possible role of endophytic fungi associated with seed pods of *Colophospermum mopane* (Fabaceae) in Botswana. *South African Journal of Botany*. (Article in press).
- Jurc, D., Ogris, N., Slippers, B. and Stenlid, J. 2005. First report of *Eutypella* Canker of *Acer pseudoplatanus* in Europe. *New Disease Report*. 12 (Online). Available: <http://www.bspp.org.uk/ndr/jan2006/2005-99.asp> [Accessed Mar 31, 2006].
- Jumpathong, J., Bhilbutra, W., Lumyong, P. and Lumyong, S. 2004. Screening of anti-microbial compound and biosurfactant produced by endophytic fungi. *Abstracts of IV Asia-Pacific Mycological Congress*. November 14-19, 2004. Chaing Mai, Thailand.
- Kearns, D. M. 2006. Key to species of *Garcinia*. in Flora of the Venezuelan Guayana (Online). Available: <http://www.mobot.org/MOBOT/Research/ven-uayana/clusiaceae/page6.shtml>. [Accessed Feb 8, 2006].
- Kew. *Garcinia*. in Guttiferae: Royal Botanic Gardens, Kew. (Online). Available: http://www.rbgekew.org.uk/herbarium/brunei/fams/27_01.htm#GARCINIA [Accessed Feb 24, 2006].

- Kim, S., Shin, D.S., Lee, T. and Oh, K.B. 2004. Periconicins, two new fusicoccane diterpenes produced by an endophytic fungus *Perciconia* sp. with antibacterial activity. *Journal of Natural Products*. 67: 448-450.
- King, G. 1890. Materials for a flora of the Malay peninsula. *Journal of the Asiatic Society of Bengal*. 59: 148-172.
- Kirk, P.M., Cannon, P.F., David, J.C. and Stalpers, J.A. 2001. Anisworth & Bisby's Dictionary of the Fungi. United Kingdom: CAB International pp. 655.
- Kishino, H. and Hasegawa, M. 1989. Evaluation of the maximum likelihood estimate of the evolutionary tree topologies from DNA sequence data, and the branching order in Hominoidea. *Journal of Molecular Evolution*. 29: 170-179.
- Kosela, S., Hu, L.H., Rachmatia, T., Hanafi, M. and Sim, K.Y. 2000. Dulxanthonones F-H, three new pyroxanthonones from *Garcinia dulcis*. *Journal of Natural Products*. 63: 406-407.
- Kurtzman, C.P. 1989. Impact of nucleic acid comparison on systematic mycology. *Botanical Journal of the Linnean Society*. 99: 3-10.
- Lacey, L.A. and Neven, L.G. 2006. The potential of the fungus, *Muscodor albus*, as a microbial control agent of potato tuber moth (Lepidoptera: Gelechiidae) in stored potatoes. *Journal of Invertebrate Pathology*. 91: 195-198.
- Lamons, A., Clay, K. and Rudgers, J.A. 2005. Connecting plant-microbial interactions above and belowground: a fungal endophyte affects decomposition. *Ecosystem Ecology*. 145: 595-604.
- Landvik, S., Shailer, N.F.J. and Ericksson, O.E. 1996. SSU rDNA sequence support for a close relationship between the Elaphomycetales and the Eurotiales and Onygenales. *Mycoscience*. 37: 237-241.
- Lebrón, L., Lodge, D.J., Laureano, S. and Bayman, P. 2001. Where is the gate to the party? *Inoculum*. 52: 46.
- Lee, J., Strobel, G.A., Lobkovsky, E. and Clardy, J.C. 1996. Torreyanic acid: a selectivity cytotoxic quinine dimmer from the endophytic fungus *Pestalotiopsis microspora*. *Journal of Organic Chemistry*. 61: 3232-3233.
- Li, J.Y., Sidhu, R.S., Ford, E., Hess, W.M. and Strobel, G.A. 1998. The induction of taxol

- production in the encophytic fungus *Periconia* sp. from *Torrey grandifolia*. *Journal of Industrial Microbiology*. 20: 259-264.
- Li, J.Y., Harper, J.K., Grant, D.M., Tombe, B.O., Bashyal, B., Hess, W.M. and Strobel, G.A. 2001. Ambuic acid, a highly functionalized cyclohexanone with antifungal activity from *Pestalotopsis* spp. and *Monochaetia* sp. *Phytochemistry*. 56: 463-468.
- Lin, X., Huang, Y., Fang, M., Wang, J., Zheng, Z. and Su, W. 2005. Cytotoxic and antimicrobial metabolites from marine lignicolous fungi, *Diaporthe* sp. *FEMS Microbiology Letters*. 251: 53-58.
- Linnaeus, C. 1753. *Species Plantarum* 1: 443-444.
- Liu, Y.J., Whelen, S. and Hall, B.D. 1999. Phylogenetic relationships among ascomycetes: evidence from an RNA polymerase II subunit. *Molecular Biology and Evolution*. 16: 1799-1808.
- Liu, J.Y., Song, Y.C., Zhang, Z., Wang, L., Guo, Z.J., Zou, W.X. and Tan, R.X. 2004. *Aspergillus fumigatus* CY018, an endophytic fungus in *Cynodon dactylon* as a versatile producer of new and bioactive metabolites. *Journal of Biotechnology*. 114: 279-287.
- Likhitwitayawuid, K., Chanmahasathien, W. Ruangrunsi, N. and Krungkrai, J. 1998. Xanthones with antimalarial activity from *Garcinia dulcis*. *Planta Medica*. 64: 281-282.
- Lobuglio, K.F., Berbee, M.L. and Taylor, J.W. 1996. Phylogenetic origins of asexual mycorrhizal symbiont *Cenococcum geophilum* Fr. and other mycorrhizal fungi among the ascomycetes. *Molecular Phylogenetics and Evolution*. 6: 287-294.
- Lu, H., Zou, W. X., Meng, J. C., Hu, J. and Tan, R. X. 2000. New Bioactive metabolites produced by *Collectotrichum* sp., an endophytic fungus in *Artemisia annua*. *Plant Science* 151: 67-73.
- Lumbsch, H.T., Schmitt, I., Lindemuth, R., Miller, A., Mangold, A., Fernandez, F. and Huhndorf, S. 2005. Performance of four ribosomal DNA regions to infer higher-level phylogenetic relationships of inoperculate euascomycetes (Leotiomyceta). *Molecular Phylogenetics and Evolution*. 34: 512-524.
- Lupo, S., Tiscornia, S. and Bettuci, L. 2001. Endophytic fungi from flowers, capsules and seeds of *Eucalytus globulus*. *Revista Iberoamericana de Micologia*. 18: 38-41.
- Ma, Y. M., Li, Y., Liu, J. Y., Song, Y. C. and Tan, R. X. 2004. Anti-*Helicobacter pylori*

- metabolites from *Rhizoctonia* sp. Cy064, an endophytic fungus in *Cynodon dactylon*. *Fitoterapia* 75: 451-456.
- Maccheroni Jr., W., Araujo, W.L. and Azevedo, J.L. 2004. Ambient pH-regulated enzyme secretion in endophytic and pathogenic isolates of the fungal genus *Collectotrichum*. *Scientia Agricola*. 61: 298-302.
- Mackeen, M.M., Ali, A.M., Lajis, N.H., Kawazu, K., Hassan, Z., Amran, M., Habash, M. Mooi, L.Y. and Mohamed. S.M. 2000. Antimicrobial, antioxidant, antitumour-promoting and cytotoxic activities of different plant part extracts of *Garcinia atroviridis* Griff. ex T. Anders. *Journal of Ethnopharmacology*. 72: 395-402.
- Mackeen, M.M., Ali, A.M., Lajis, N.H. Kawazu, K., Kikuzaki, H. and Nakatani, N. 2002. Antifungal garcinia acid esters from the fruits of *Garcinia atroviridis*. *Naturforsch*. 57: 291-295.
- Mahabusarakam, W., Phongpaichit, S., Jansakul, C. and Wiriyaichitra, P. 1983. Screening of antibacterial activity of chemicals from *Garcinia mangostana*. *Songklanakarinn Journal of Science and Technology*. 5: 337-339.
- Mahabusarakam, W., Wiriyaichitra, P. and Taylor W.C. 1987. Chemical constituents of *Garcinia mangostana*. *Journal of Natural Products*. 50: 474-478.
- Mahesh, B., Tejesvi, M.V., Nalini, M.S., Prakash, H.S., Kini, K.R., Subbiah, V. and Shetty, H.S. 2005. Endophytic mycoflora of inner bark of *Azadirachta indica* A. Juss. *Current Science*. 88: 218-219.
- Marinho, A.M.R., Rodrigues-Filho, E., Moitinho, M.L.R. and Santos, L.S. 2005. Biological active polyketides produced by *Penicillium janthinellum* isolated as an endophytic fungus from fruits of *Melia azedarach*. *Journal of The Brazilian Chemical Society*. 16: 280-283.
- Martin, F.W. 1980. *Durian and Mangosteen*. in *Tropical and Subtropical Fruits*. Nagy, S. and Shaw, P.E. (eds.). WestPort, CN: AVI Publishing, Inc. pp. 410-414.
- Martin, F.N. 2000. Phylogenetic relationships among some *Pythium* species inferred from sequence analysis of the mitochondrially encoded cytochrome oxidase II gene. *Mycologia*. 92: 711-727.
- Masuda, T. Yamashita, D. Takeda, Y. and Yonemori, S. 2005. Screening for tryosinase inhibitors

- among extracts of seashore plants and identification of potent inhibitors from *Garcinia sublliptica*. *Bioscience Biotechnology and Biochemistry*. 69: 197-201.
- Mazzaglia, A., Anselmi, N., Vicario, S. and Vannini, A. 2001. Sequence analysis of the 5.8S rDNA and ITS regions in evaluating genetic relationships among some species of *Hypoxylon* and related genera. *Mycological Research*. 105: 670-675.
- McCann, K.B., Shiell, B.J., Michalski, W.P., Lee, A., Wan, J., Roginski, H. and Coventry, M.J. 2006. Isolation and characterization of a novel antibacterial peptide from bovine α_{S1} -casein. *International Dairy Journal*. 16: 316-323.
- Mekkamol, S. and Whalley, A.J.S. 1998. *Endophytic fungi of Tectona grandis L. (Teak)*. In Proceeding of the Asia-Pacific Mycological Conference on Biodiversity and Biotechnology. July 6-9, 1998. Hua Hin, Prachuapkririkhan, Thailand. pp. 268-273.
- Mengoni, A., Mocali, S., Surico, G., Tegli, S. and Fani, R. 2003. Fluctuation of endophytic bacteria and phytoplasmosis in elm trees. *Microbiological Research*. 158: 363-369.
- Mercier, J. and Manker, D.C. 2005. Biocontrol of soil-borne diseases and plant growth enhancement in greenhouse soilless mix by the volatile-producing fungus *Muscodor albus*. *Crop Protection*. 24: 355-362.
- Merza, J., Aumond, M.C., Rondeau, D., Dumontet, V., Le Ray, A.M., Séraphin, D. and Richomme, P. 2004. Prenylated xanthenes and tocotrienols from *Garcinia virgata*. *Phytochemistry* 65: 2915–2920
- Ministry of Science, Environment and Technology. 1998. Genetic resource. in Malaysia's national biodiversity policy (Online). pp. 27 Available: <http://www.arbec.com.my/NBP.pdf> [Accessed Feb 9, 2006].
- Moncalvo, J.M. and Vilgalys, R. 1998. *Assessing fungal diversity using ribosomal DNA sequences phylogenies*. In Proceeding of the Asia-Pacific Mycological Conference on Biodiversity and Biotechnology. Hua Hin, Prachuapkririkhan, Thailand pp. 88-93.
- Morlales, E. 2006. Leaf. (Online). Available: <http://www.yourdictionary.com/images/ahd/jpg/A4leaf.jpg> [Accessed April 10, 2006].
- Mortan, J. 1987. *Mangosteen*. in Fruit of Warm Climates. Mortan, J.F. (eds.). Miami. pp. 301-304.
- Miller, C.M., Miller, R.V., Garton-Kenny, G., Redgrave, B., Sears, J., Condrón, M.M.,

- Teplow, D.B. and Strobel, G.A. 1998. Ecomycins, unique antimycotics from *Pseudomanas viridiflava*. *Journal of Applied Microbiology*. 84: 937-944.
- Müller, J. 2003. Artificial infection by endophytes affects growth and mycorrhizal colonization of *Lolium perenne*. *Functional Plant Biology*. 30: 419-424.
- Nakasone, H.Y. and Paull, R.E. 1998. *Tropical Fruits*. Wallingford, United Kingdom: CAB International. pp. 445.
- Nakatani, K., Yamakuni, T., Kondo, N., Arakawa, T., Oosawa, K., Shimura, S., Inoue, H. and Ohizumi, Y. 2004. γ -Mangosteen inhibits inhibitor-KB Kinase activity and decreases lipopolysaccharide-induced cyclooxygenase-2 gene expression in c6 rat glioma cells. *Molecular Pharmacology*. 66: 667-674.
- Nalini, M.S., Mahesh, B., Tejesvi, M.V., Prakash, H.S., Subbaiah, V., Kini, K.R. and Shetty, H. 2005. Fungal endophytes form the three-leaved carper, *Crataeva magna* (Lour.) DC. (Capparidaceae). *Mycopathologia*. 159: 245-249.
- na Pattalung, P., Thongtheeraparp, W., Wiriyachitra, P. and Taylor, W.C. 1994. Xanthones of *Garcinia cowa*. *Planta Medica*. 60: 365-368.
- NCCLS. 2002. National Committee for Clinical Laboratory Standards. *Reference method for broth dilution antifungal susceptibility testing of filamentous fungi: Approved standard. NCCLS documents M38-A*. Wayne, Pa.: National Committee for Clinical Laboratory Standards.
- Ndukwe, K.C., Okeke, I.N., Lamikanra, A., Adesina, S.K. and Aboderin, O. 2005. Antibacterial activity of aqueous extracts of selected chewing sticks. *The Journal of Contemporary Dental Practice*. 6: 1-7.
- Nevena, M., Jelena, V. and Frani-Mihajlovi, D. 1997. A comparative study of *Diaporthe/Phomopsis* fungi on soybean from two different regions of the world. *Mycopathologia*. 139: 107-113.
- Niere, B., Gold, C.S and Coyne, D. 2004. Can fungal endophytes control soilborne pests in banana? *Bulletin OILB/SROP*. 27: 203-209.
- Nishida, H. Nutritional regulating food in baked, confectionery. Japan Patent 9294563A2. NYBG. *Clusiaceae*. in List of the taxa in the virtual herbarium of the New York Botanical

- Garden. (Online). Available: <http://sciweb.nybg.org/Science2/hcol/lists/clusiaceae.html> [Accessed Feb 24, 2006].
- O'Donnell, K. 1996. Progress towards a phylogenetic classification of *Fusarium*. *Sydowia*. 48: 57-70.
- O'Donnell, K., Cigelink, E., Weber, N.S. and Trappe, J.M. 1997. Phylogenetic relationship among ascomycetous truffles and the true and false morels inferred from 18S and 28S ribosomal DNA sequence analysis. *Mycologia*. 89: 48-65.
- O'Donnell, K. 2000. Molecular phylogeny of the *Nectria haematococca-Fusarium solani* species complex. *Mycologia*. 92: 919-938.
- Okane, I., Nakagiri, A. and Ito, T. 2001. Identity of *Guignardia* sp. inhabiting ericaceous plants. *Canadian Journal of Botany*. 79: 101-109.
- Okubo, K.T. Obesity inhibitor. Japan Patent 11001431A2.
- Omacini, M., Chaneton, E.J., Ghersa, C.M. and Otero, P. 2004. Do foliar endophytes affect grass litter decomposition ? A microcosm approach using *Lolium multiflorum*. *OIKOS*. 104: 581-590.
- Ortiz-Ribbing, L. and Williams, M.M. 2006. Potential of *Phomopsis amaranthicola* and *Microsphaeropsis amaranthi*, as bioherbicides for several weedy *Amaranthus* species. *Crop Protection*. 25: 39-46.
- Pařenicov, L., Skouboe, P., Frisvad, J., Samson, R.A., Rossen, L., TEN Hoor-Suykerbuyk, M. and Visser, J. 2001. Combined molecular and biochemical approach identifies *Aspergillus japonicus* and *Aspergillus aculeatus* as two species. *Applied and Environmental Microbiology*. 67: 521-527.
- Pennycook, S.R. and Samuels, G.J. 1985. *Botryosphaeria* and *Fusicoccum* species associated with ripe fruit rot of *Actinidia deliciosa* (kiwifruit) in New Zealand. *Mycotaxon* 24: 445-458.
- Permana, D., Lajis, N.H., Mackeen, M.M., Ali, A.M., Aimi, N., Kitajima, M. and Takayama, H., 2001. Isolation and bioactivities of constituents of the roots of *Garcinia atroviridis*. *Journal of Natural Products*. 64: 976-979.
- Permana, D., Abas, F., Maulidiani, Shaari, K., Stanslas, J., Ali, A.M. and Lajis, N.H.

2005. Atrovirisdione B, a new prenylated depsidone with cytotoxic property from the roots of *Garcinia atroviridis*. *Naturforsch.* 60: 523-526.
- Perry, L.M. and Metzger, J. 1980. *Medicinal Plants of East and Southeast Asia: Attributed Properties and Uses*. Cambridge: MIT Press.
- Peterson, S.W., Vega, F.E., Posada, F. and Nagai, C. 2005. *Penicillium coffeae*, a new endophytic species isolated from a coffee plant and its phylogenetic relationship to *P. fellutanum*, *P. thiersii* and *P. brocae* based on parsimony analysis of multilocus DNA sequences. *Mycologia.* 97: 659-666.
- Pertrini, O., Pertrini, L.E. and Rodrigues, K. 1995. Xylariaceous endophytes: an exercise in biodiversity. *Fitopatologica Brasiliensis.* 20: 513-539.
- Pertrini, L. and Pertrini, O. 1985. Xylariaceous fungi as endophytes. *Sydowia.* 38: 216-234.
- Phongchareon, W., Rukachaisirikul, V., Phongpaichit, S., Rungjindamai, N. and Sakayaroj, J. 2006. Pimarane diterpene and cytochalasin derivatives from the endophytic fungus *Eutypella scoparia* PSU-D44. *Journal of Natural Products*. (Article in press).
- Phongpaichit, S., Ongskul, M., Nilrat, L., Tharavichitkul, P., Bunchoo, S., Chuaprapaisilp., T. and Wiriyachitra, P. 1994. Antibacterial activities of extracts from *Garcinia mangostana* pericarps on methicillin-resistance *Staphylococcus aureus* and *Enterococcus* species. *Songklanakarin Journal of Science and Technology.* 16: 399-405.
- Pine, E.M., Hibbett, D.S. and Donoghue, M.J. 1999. Phylogenetic relationships of cantharelloid and clavarioid Homobasidiomycetes based on mitochondrial and nuclear rDNA sequences. *Mycologia.* 91: 944-963.
- Ploetz, R.C. 1990. *Fusarium wilt of banana*. St. Paul, MN: APS Press.
- Praserdsook, S. and Sukhotiratana, M. 1986. Effect of some medicinal plant extracts on the growth of dysenteric bacteria. 12th *Symposium on science and technology of Thailand.* Bangkok, Thailand. October 20-22, 1986.
- Proctor, R.H., Plattner, R.D., Desjardins, A.E., Busman, M. and Butchko, R.A. 2006. Fumonisin production in the maize pathogen *Fusarium verticillioides*: genetic basis of naturally occurring chemical variation. *Journal of Agricultural and Food Chemistry.* 54: 2424-2430.
- Pryce, T.M., Palladino, S., Price, D.M., Gardam, D.J., Campbell, P.B., Christiansen, K.J. and

- Murray, R.J. 2006. Rapid identification of fungal pathogens in BacT/ALERT, BACTEC, and BBL MGIT media using polymerase chain reaction and DNA sequencing of the internal transcribed spacer regions. *Diagnostic Microbiology and Infectious Disease*. (Article in Press).
- Pointing, S.B., Parungao, M.M. and Hyde, K.D. 2003. Production of wood-decay enzymes, mass loss and lignin solubilization in wood by tropical Xylariaceae. *Mycological Research*. 107: 231-235.
- Raviraja, N.S. 2005. Fungal endophytes in five medicinal plant species from Kudremukh Range, Western Ghats of India. *Journal of Basic Microbiology*. 45: 230-235.
- Redlin, R.C. and Carris, L.M. 1985. *Endophytic fungi of grasses and woody plants*. St Paul, Minnesota, USA: APS Press.
- Redman, R.S., Sheehan, K.B., Stout, R.G., Rodriguez, R.J. and Henson, J.M. 2002. Thermotolerance generated by plant/fungal symbiosis. *Science*. 298: 1581.
- Robbers, J., Speedie, M. and Taylor, V. 1996. *Pharmacognosy and Pharmacobiotechnology*. Baltimore: Williams and Wilkins. pp. 1-14.
- Rodrigues, K.F. 1994. The foliar fungal endophytes of the Amazonian palm *Euterpe oleracea*. *Mycologia*. 86: 376-385.
- Rodrigues, K.F., Hesse, M. and Werner, C. 2000. Antimicrobial activities of secondary metabolites produced by endophytic fungi from *Spondias mombin*. *Journal of Basic Microbiology*. 40: 261-267.
- Rojas, R., Dorotea, V., Bustamante, V., Bauer, J. and Locka, O. 2004. Antimicrobial and free radical scavenging activity of *Gentianella nitida*. *Fitoterapia*. 75: 754-757.
- Roxb. 1874. *Journal of the Asiatic Society of Bengal*. 43: 88.
- Rubini, M.R., Silva-Ribeiro, R.T., Pomella, A.W.V., Maki, C.S., Araújo, W.L., dos Santos, D.R. and Azedo, J.L. 2005. Diversity of endophytic fungal community of cacao (*Theobroma cacao* L.) and biological control of *Crinipellis perniciosa*, causal agent of Witches' broom disease. *International Journal of Biological Sciences*. 1: 24-33.
- Rukachaisirikul, V., Kaewnok, W., Koysomboon, S., Phongpaichit, S. and Taylor, W.C. 2000. Caged-tetraprenylated xanthenes from *Garcinia scortechini*. *Tetrahedron*. 56: 8539-8543.

- Rukachaisirikul, V., Pailee, P., Hiranrat, A., Tuchinda, P., Yoosook, C., Kasisit, J., Taylor, W.C., and Reutrakul V. 2003a. Anti-HIV-1 protostane triterpenes and digeranylbenzophenone from trunk bark and stems of *Garcinia speciosa*. *Planta Medica*. 69: 1141-1146.
- Rukachaisirikul, V., Kamkaew, M., Sukavisit, D., Phongpaichit, S., Sawangchote, P. and Taylor, W.C. 2003b. Antibacterial xanthenes from the leaves of *Garcinia nigrolineata*. *Journal of Natural Products*. 66: 1531-1535.
- Rukachaisirikul, V., Ritthiwigrom, T., Pinsa, A., Sawangchote, P. and Taylor, W.C. 2003c. Xanthenes from the stem bark of *Garcinia nigrolineata*. *Phytochemistry* 64: 1149-1156.
- Rukachaisirikul, V. Tadpetch, K., Watthanapanit, A., Saengsanae, N. and Phongpaichit, S. 2005a. Benzopyran, biphenyl, and tetraoxygenated xanthone derivatives from the twigs of *Garcinia nigrolineata*. *Journal of Natural Products*. 68: 1218-1221.
- Rukachaisiriul, V. Painuphong, P., Sukpondma, Y., Phongpaichit, S. and Taylor, W.C. 2005b. Antibacterial caged-tetraprenylated xanthenes from the stem bark of *Garcinia scortechinii*. *Planta Medica*. 71: 165-170.
- Sakagami, Y., Iinuma, M., Piyasena, K.G.N.P. and Dharmaratne, H.R.W. 2005. Antibacterial activity of α -mangosteen against vancomycin resistant *Enterococci* (VRE) and synergism with antibiotics. *Phytomedicine*. 12: 203-208.
- Saikkonen, K., Faeth, S.H., Helander, M. and Sullivan, T.J. 1998. Fungal endophytes: a continuum of interactions with host plants. *Annual Review of Ecology and Systematics*. 29: 319-343.
- Samuelsson, O. 2004. *Drugs of Natural Origin: a Textbook of Pharmacognosy*. Stockholm: 5th Swedish Pharmaceutical Press.
- Sang, S., Pan, M.H., Cheng, X. Bai, N. Stark, R.E. Rosen, R.T. Lin-Shaiu, S.Y., Lin, J.K. and Ho, C.T. 2001. Chemical studies on antioxidant mechanism of garcinol: analysis of radical reaction products of garcinol and their antitumor activities. *Tetrahedron*. 57: 9931-9938.
- Santamaria, J. and Bayman, P. 2005. Fungal epiphytes and endophytes of coffee leaves (*Coffea arabica*). *Microbial Ecology*. 50: 1-8.
- Sato, A., Fujiwara, H., Oku, H., Ishiguro, K. and Ohizumi, Y. α -Mangostin induces Ca^{2+} -ATPase-dependent apoptosis via mitochondrial pathway in PC12 cells. *Journal of Pharmacological Sciences*. 95: 33-40.

- Satyavati, G.V., Raina, M.K. and Sharma, M. 1976. *Medicinal plants of India*. Delhi: Cambridge Printing Works.
- Schardl, C.L. and Phillips, T.D. 1997. Protective grass endophytes: Where are they from and where are they going ? *Plant Disease*. 81: 430-438.
- Schiff, P.B. and Horowitz, S.B. 1980. Taxol stabilizes microtubules in mouse fibroblast cells. *Proceedings of the National Academy of Sciences of the United States of America*. 77: 1561-1565.
- Schwarz, M., Köpcke, B., Weber, R.W.S., Sterner, O. and Anke, H. 2004. 3-Hydroxypropionic acid as a nematocidal principle in endophytic fungi. *Phytochemistry*. 65: 2239-2245.
- Schulz, B., Boyle, C., Draeger, S., Römmert, A.K. and Hrohn, K. 2002. Endophytic fungi: a source of novel biologically active secondary metabolites. *Mycological Research*. 106: 996-1004.
- Selfert, K.A., Wingfield, B.D. and Wingfield, M.J. 1995. A critique of DNA analysis in the taxonomy of filamentous ascomycetes and ascomycetous anamorphs. *Canadian Journal of Botany*. 73: 760-767.
- Selvi, A.T., Joseph, G.S. and Jayaprakasha, G.K. 2003. Inhibition of growth and aflatoxin production in *Aspergillus flavus* by *Garcinia indica* extract and its antioxidant activity. *Food Microbiology*. 20: 455-460.
- Selosse, M.A. and Tacon, F.L. 1998. The land flora: a phototroph fungus partnerships? *Trends in Ecology and Evolution*. 13: 15-20.
- Sen, R., Hietala, A.M. and Zelmer, C.D. 1999. Common anastomosis and internal transcribed spacer RFLP groupings in binucleate *Rhizoctonia* isolates representing root endophytes of *Pinus sylvestris*, *Ceratohiza* spp. from orchid mycorrhizas and a phytopathogenic anastomosis group. *New Phytologist*. 144: 331-341.
- Singh, A., Sharma, J., Rexer, K.H., Varma, A. 2000. Plant productivity determinants beyond minerals, water and light: *Piriformospora indica*-a revolutionary plant growth promoting fungus. *Current Science*. 79: 1548-1554.
- Shankaranarayan, D., Gopalakrishnan, C. and Kameswaran, L. 1979. Pharmacological profile of mangostin and its derivatives. *Archives Internationales de Pharmacodynamie et de Therapie*. 239: 257-269.

- Shen, L., Ye, Y.H., Wang, X.T., Zhu, H.L., Xu, C., Song, Y.C., Li, H. and Tan, R.X. 2006. Structure and total synthesis of aspernigerin: a novel cytotoxic endophyte metabolite. *Chemistry-A European Journal*. (Online). Available: <http://www3.interscience.wiley.com/cgi-bin/abstract/112543733/ABSTRACT> [Accessed April 4, 2006]
- Sherameti, I., Shahollari, B., Venus, Y., Altschmied, L., Varma, A. and Oelmuller, R. 2005. The endophytic fungus *Piriformospora indica* stimulates the expression of nitrate reductase and the starch-degrading enzyme glucan-water dikinase in tobacco and Arabidopsis roots through a homeodomain transcription factor that binds to a conserved motif in their promoters. *The Journal of Biological Chemistry*. 280: 26241-26247.
- Shibayama, M., Ooi, K., Johnson, R., Scott, B. and Itoh, Y. 2002. Suppression of tandem-multimer formation during genetic transformation of the mycotoxin-producing fungus *Penicillium paxilli* by disrupting an orthologue of *Aspergillus nidulans* *uvsC*. *Current Genetics*. 42: 59-62.
- Shivas, R.G. and Hyde, K.D. 1997. Biodiversity of plant pathogenic fungi in the tropics. pp. 47-56. in *Biodiversity of Tropical Microfungi*. Hyde, K.D. (ed.). Hong Kong: Hong Kong University Press.
- Slippers, B., Fourie, G., Crous, P.W., Coutinho, T.A., Wingfield, B.D., Carnegie, A.J. and Wingfield, M.J. 2004. Speciation and distribution of *Botryosphaeria* spp. on native and introduced *Eucalyptus* trees in Australia and South Africa. *Studies in Mycology*. 50: 343-358.
- Slippers, B., Johnson, G.I., Crous, P.W., Coutinho, T.A., Wingfield, B.D. and Wingfield, M.J. 2005. Phylogenetic and morphological re-evaluation of the *Botryosphaeria* species causing diseases of *Mangifera indica*. *Mycologia*. 97: 99-110.
- Smith, H., Wingfield, M.J. and Petrini, O. 1996. *Botryosphaeria dothidea* endophytic in *Eucalyptus grandis* and *Eucalyptus nitens* in South Africa. *Forest Ecology and Management*. 89: 189-195.
- Spatofora, J.W. and Blackwell, M. 1993. Molecular systematics of unitunicate perithecial ascomycetes-the Clavicipitales-Hypocreales connection. *Mycologia*. 85: 912-922.
- Sridith, K. and Laongpol, C. 2003. The preliminary study on some natural plant communities of

- the sandbars along the eastern coast of peninsular Thailand. *Songklanakarin Journal of Science and Technology*. 25: 103-113.
- Song, Y.C., Li, H., Ye, Y.H., Shan, C.Y., Yang, Y.M. and Tan, R.X. 2004. Endophytic naphthopyrone metabolites are co-inhibitors of xanthine oxidase, SW1116 cell and some microbial growths. *FEMS Microbiology Letters*. 241: 67-72.
- Sopalun, K. Production and characterization of phytase from an endophytic fungus MEC1. M.Sc. Thesis, Mahidol University, Thailand. (Unpublished).
- Sordat, D. I., Marston, A., Hamburger, M., Rogers, C. and Hostettmann, K. 1989. Novel prenylated xanthenes from *Garcinia gerrardii*. *Helvetica Chimica Acta*. 72: 1001–1007.
- Souza, A.Q.L., Souza, A.D.L., Astolfi Filho, S., Belém Pinheiro, M.L., Sarquis, M.I.M. and Pereira, J.O. 2004. Antimicrobial activity of endophytic fungi isolated from amazonian toxic plant: *Palicourea longiflora* (abul.) rich and *Strychnos cogens* bentham. *Acta Amazonica*. 34: 185-195.
- Stierle, A., Strobel, G.A. and Stierle, D. 1993. Taxol and taxane production by *Taxomyces andreanae*. *Science*. 260: 214-216.
- Stierle, A.A., Stierle, D.B. and Bugni, T. 1999. Sequoiatones A and B: Novel antitumor metabolites isolated from a redwood endophyte. *Journal of Organic Chemistry*. 64: 5479-5484.
- Stierle, A.A., Stierle, D.B. and Bugni, T. 2003. Sequoiamonascins a-d: Novel anticancer metabolites isolated from a redwood endophyte. *Journal of Organic Chemistry*. 68: 4966-4969.
- Stinson, M., Ezra, D., Hess, W.M., Sears, J. and Strobel, G. 2003. An endophytic *Gliocladium* sp. of *Eucryphia cordifolia* producing selective volatile antimicrobial compounds. *Plant Science*. 165: 913-922.
- Strobel, G.A., Stierle, A., Stierle, D. and Hess, W.M. 1993. *Taxomyces andreanae* a proposed new taxon for a bulbilliferous hyphomycete associated with Pacific yew. *Mycotaxon*. 47: 71-78.
- Strobel, G., Yang, X., Sears, J., Kramer, R., Sidhu, R.S. and Hess, W.M. 1996. Taxol from *Pestalotiopsis microspora*, an endophytic fungus of *Taxus wallichiana*. *Microbiology*. 142: 435-440.

- Strobel, G.A., Miller, R.V., Miller, C.M., Condrón, M.M., Teplow, D.B. and Hess, W.M. 1999. Cryptocandin, a potent antimycotic from the endophytic fungus *Cryptosporiopsis* cf. *quercina*. *Microbiology*. 145: 1919-1926.
- Strobel, G.A. Dirkse, E., Sears, J., Markworth, C. 2001. Volatile antimicrobials from *Muscodor albus*, a novel endophytic fungus. *Microbiology*. 147: 2943-2950.
- Strobel, G.A. 2002. Rainforest endophytes and bioactive products. *Critical Review in Biotechnology*. 22: 315-333.
- Strobel, G.A., Ford, E., Worapong, J., Parper, J.K., Arif, A.M., Grant, D.M., Fung, P.C.W. and Chan, K. 2002. Isposesacin, and isobenzofuranone from *Pestalotiopsis microspora*, possessing antifungal and antioxidant activities. *Phytochemistry*. 60: 179-183.
- Strobel, G.A. 2003. Endophytes as sources of bioactive products. *Microbes and Infection*. 5: 535-544.
- Strobel, G. and Daisy, B. 2003. Bioprospecting for microbial endophytes and their natural products. *Microbiology and Molecular Biology Reviews*. 67: 491-502.
- Strobel, G., Daisy, B., Castillo, U. and Harper, J. 2004. Natural products from endophytic microorganisms. *Journal of Natural Products*. 67: 257-268.
- Subeki, H. M., Yamasaki, M., Yamato, O., Maede, Y., Katakura, K., Suzuki, M., Trimurningsih, Chairul and Yoshihara, T. 2004. Effects of central Kalimantan plant extracts on intraerythrocytic *Babesia gibsoni* in culture. *The Journal of Veterinary Medical Science*. 66: 871-874.
- Suffness, M. 1995. *Taxol, Science and Applications*. Boca Raton, Fla: CRC Press.
- Sukpondma, Y., Rukachaisirikul, V. and Phongpaichit, S. 2005. Antibacterial caged-tetraprenylated xanthone from the fruits of *Garcinia hanburyi*. *Chemical Pharmaceutical Bulletin*. 53: 850-852.
- Suksamrarn, S., Suwannapoch, N., Phakhodee, W., Thanuhiranlert, J., Ratananukul, P., Chimnoi, N. and Suksamrarn, A. 2003. Antimycobacterial activity of prenylated xanthenes from the fruits of *Garcinia mangostana*. *Chemical Pharmaceutical Bulletin*. 51: 857-859.
- Surayanarayanan, T.S., Ravishankar, J.P., Venkatesan, G. and Murali, T.S. 2004. Characterization of the melanin pigment of cosmopolitan fungal endophyte. *Mycological Research*. 108:

- 974-978.
- Swofford, D.L. 2003. PAUP*, Phylogenetic analysis using parsimony version 4.0b10. Sinauer Associates, Sunderland, Massachusetts.
- Taiwo, O., Xu, H., Lee, S.F. 1999. Antibacterial activities of extracts from Nigerian chewing sticks. *Phytotherapy Research*. 13: 675-679.
- Takamatsu, S. 1998. PCR amplifications in fungal phylogeny. In Bridge, P.D., Arora, D.K., Reddy, C.A. and Elander, R.P. (eds.), *Applications of PCR in Mycology*. United Kingdom: CAB international. pp. 125-152.
- Tan, R.X. and Zou, W.X. 2001. Endophytes: a rich of functional metabolites. *Natural Product Reports*. 18: 448-459.
- Taylor, A., Hardy, G.E.St.J., Wood, P. and Burgess, T. 2005. Identification and pathogenicity of *Botryosphaeria* species associated with grapevine decline in Western Australia. *Australasian Plant Pathology*. 34: 187-195.
- Taylor, J.E., Hyde, K.D. and Jones, E.B.G. 1999. Endophytic fungi associated with the temperate palm *Trachycarpus fortunei* within and outside its natural geographic range. *New Phytologist*. 142: 335-346.
- Teles, H.L., Silva, G.H., Castro-Gamboa, I., Bolzani, V.S., Pereira, J.O., Costa-Neto, C.M., Haddad, R., Eberlin, M.N., Young, M.C.M. and Araújo, A.R. Benzopyrans from *Curvularia* sp., an endophytic fungus associated with *Ocotea corymbosa* (Lauraceae). *Phytochemistry*. 66: 2363-2367.
- Terashima, K., Takaya, Y. and Niwa, M. 2002. Power antioxidative agents based on garcinoic acid from *Garcinia kola*. *Bioorganic & Medicinal Chemistry*. 10: 1619-1625.
- The Wealth of India. 1956. *Raw Materials, Vol. IV*. New Delhi, India: CSIR, Publication and Information Directorate. pp.99-108.
- Thierry, S. 1999. Antimitotic and cytotoxic compounds from tropical plants. *Nigerian Journal of Natural Products and Medicine*. 3: 9-14.
- Thomas, S.C. 1997. Geographic parthenogenesis in a tropical forest tree. *American Journal of Botany*. 84: 1012-1015.
- Thon, M.R. and Royse, D.J. 1999. Partial β -tubulin gene sequences for evolutionary studies in the Basidiomycotina. *Mycologia*. 91: 468-474.

- Tona, L., Cimanga, R. K., Mesia, K., Musuamba, C. T., Bruyne, T. D., Apers, S., Hernans, N., Miert, S. V., Pieters, L., Tott'e, J. and Vlietinck, A. J. 2004. *In vitro* antiplasmodial activity of extracts and fractions from seven medicinal plants used in the Democratic Republic of Congo. *Journal of Ethnopharmacology*. 93: 27-32.
- TOPRICOS. *Botanical Database* in Plant Science Missouri Botanical Garden. (Online). Available: <http://www.mobot.org/plantscience/default.asp> [Accessed Feb 23, 2006].
- Trisarasri, P. 2000. *List of plant names: Muaklek Arboretum, Saraburi-Prachinburi*. (Online). Available: http://www.dnp.go.th/Botany/Gardens/Muaklek_list.htm [Accessed Feb 22, 2006].
- USDA. *Classification for Kingdom Plantae down to genus Garcinia L.* in Plant classification report (Online). Available: <http://plants.usda.gov/java/ClassificationServlet?source=display&classid=GARCI> [Accessed Feb 10, 2006].
- University of Rhode Island. 2005. *Endophyte-enhanced grasses*. University of Rhode Island GreenShare Factsheets. (Online). Available: <http://www.uri.edu/ce/factsheets/prints/endophyte.html> [Accessed Mar 2, 2006].
- Varma, A., Verma, S., Sudha, Sahay, N., Bütchorn, B. and Franken, P. 1999. *Piriformospora indica*, a cultivable plant-growth-promoting root endophyte. *Applied and Environmental Microbiology*. 65: 2741-2744.
- Vieira, L.M., Kijjoa, A., Wilairat, R., Nascimento, M.S., Gales, L., Damas, A.M., Silva, A.M., Mondranondra, I.O. and Herz, W. 2004. Bioactive friedolanostanes and 11(10-->8)-abeolanostanes from the bark of *Garcinia speciosa*. *Journal of Natural Products*. 67: 2043 -2047.
- Vo, V.C., 1997. *Dictionary of Medicinal Plants in Vietnam*. Ho Chi Minh City: Y hoc Publisher.
- Voravuthikunchai, S.P. and Kipipit, L. 2005. Activity of medicinal plant extracts against hospital isolates of methicillin-resistant *Staphylococcus aureus*. *Clinical Microbiology and Infection*. 11: 510.
- Vos, P., Hoger, R., Bleeker, M., Rijans, M. van der Lee, T., Hornes, M., Frijters, A., Pot, J. Peleman, J., Kuiper, M. and Iabeau, M. 1995. AFLP: a new technique for DNA fingerprinting. *Nucleic Acids Research*. 23: 4407-4414.

- Wagenaar, M., Corwin, J., Strobel, G.A. and Clady, J. 2000. Three new cytochalasins produced by an endophytic fungus in the genus *Rhinocladiella*. *Journal of Natural Products*. 63: 1692-1695.
- Waller, F., Achatz, B., Baltruschat, H., Fodor, J., Becker, K., Fischer, M., Heier, T., Hückelhoven, R., Neumann, C., Wettstein, D.V., Franken, P. and Kogel, K.H. 2005. The endophytic fungus *Piriformospora indica* reprograms barley to salt-stress tolerance, disease resistance, and higher yield. *Proceedings of the National Academy of Sciences of the United States of America*. 102: 13386-13391.
- Walsh, F.M. and Amyes, S.G.B. 2004. Microbiology and drug resistance mechanisms of fully resistant pathogens. *Microbiology*. 7: 439-444.
- Wang, J., Li, G., Lu, H., Zheng, Z., Huang, Y. and Su, W. 2000. Taxol from *Tubercularia* sp. strain TF5, an endophytic fungus of *Taxus mairei*. *FEMS Microbiology Letters*. 193: 249-253.
- Wang, J.W., Wu, J.H., Huang, W.Y. and Tan, R.X. 2006. Laccase production by *Monotospora* sp., an endophytic fungus in *Cynodon dactylon*. *Bioresource Technology*. 97: 786-789.
- Waterman, P.G. 1986. A phytochemist in the African rain forest. *Phytochemistry*. 25: 3-17.
- Wei, D.L., Chang, Y.H., Lin, Y.W., Chuang, C.L. and Jong, S.C. 1992. Production of cellulolytic enzymes from the *Xylaria* and *Hypoxylon* species of Xylariaceae. *World Journal of Microbiology and Biotechnology*. 8: 141-146.
- Weng, J.R., Tsao, L.T., Wang, J.P., Wu, R.R. and Lin, C.N. 2004. Anti-inflammatory phloroglucinols and terpenoids from *Garcinia subelliptica*. *Journal of Natural Products*. 67: 1796-1799.
- Whalley, A.J.S. 1996. The xylariaceous way of life. *Mycological Research*. 100: 897-922.
- White, N.A., Dehal, P.K., Duncan, J.M. Williams, N.A., Gartland, J.S. Palfreyman, J.W. and Cooke, D.E.L. 2001. Molecular analysis of intraspecific variation between building and 'wild' isolates of *Serpula lycrymans* and their relatedness to *S. himantioides*. *Mycological Research*. 105: 447-452.
- Whitmore, M.A. 1973. *Tree Flora of Malaya*; Forest Department, Ministry of Primary Industries, Malaysia: Longman. pp. 218.

- Williams, J.G.K., Kubelik, A.R., Livak, K.J., Rafalski, J.A. and Tingey, S.V. 1990. DNA polymorphism amplified by arbitrary primers are useful as genetic markers. *Nucleic Acids Researches*. 18: 6531-6535.
- Williams, P., Ongsakul, M., Proudfoot, J., Croft, K. and Bellin, L. 1995. Mangostin inhibits the oxidative modification of human low density lipoprotein. *Free Radical Research*. 23: 175-184.
- Wiyakrutta, S., Sriubolmas, N., Panphut, W., Thongon, N., Danwisetkanjana, K., Ruangrunsi, N. and Meevootisom, V. 2004. Endophytic fungi with anti-microbial, anti-cancer and anti-malarial activities isolated from Thai medicinal plants. *World Journal of Microbiology and Biotechnology*. 20: 265-272.
- Wyzykiewicz, E., Wendzonka, M. and Kędzia, B. 2005. Synthesis and antimicrobial activity of new (E)-4-[piperidino (4'-methylpiperidino-, morpholino-) N-alkoxy]stilbenes. *European Journal of Medicinal Chemistry*. (Article in Press).
- Yates, I.E., Widstrom, N.W., Bacon, C.W., Glenn, A., Hinton, D.M., Sparks, D. and Jaworski, A.J. 2005. Field performance of maize grown from *Fusarium verticillioides*-inoculated seed. *Mycopathologia*. 159: 65-73.
- Yong, C., McMillan, L., Telfer, E. and Scott, B. 2001. Molecular cloning and genetic analysis of an indole-diterpene gene cluster from *Penicillium paxilli*. *Molecular Microbiology*. 39: 754-764.
- Yoshikawa, M., Harada, E., Miki, A., Tsukamoto, K., Liang, S.Q., Yamahara, J. and Murakami, N. 1994. Antioxidant constituents from the fruit hulls of mangosteen (*Garcinia mangostana* L.) originating in Vietnam. *Yakugaku Zasshi*. 114: 129-133.
- Zhang, A.W., Riccioni, L., Pederson, W.L., Kollipara, K.P., Hartman, G.L. 1998. Molecular identification and phylogenetic grouping of *Diaporthe phaseolorum* and *Phomopsis longicolla* isolates from soybean. *Phytopathology*. 88: 1306-1314.
- Zhang, H.Z., Kasibhatla, S., Wang, Y., Herich, J., Guastella, J., Tseng, B., Drewe, J., and Cai, S.X. 2004. Discovery, characterization and SAR of gambogic acid as a potent apoptosis inducer by a HTS assay. *Bioorganic & Medicinal Chemistry* 12: 309-317.
- Zhang, G., Salituro, G., Szalkowski, D., Li, Z., Zhang, Y., Royo, I., Vilella, D., Dez, M., Pelaez, F., Ruby, C. Kedall, R.L., Mao, X., Griffin, P., Calayday, J., Zierath, J.R.,

Heck, J.V., Smith, R.G. and Moller, D.E. 1999. Discovery of small molecule insulin mimetic with antidiabetic activity in mice. *Science*. 284: 974-981.

Zhou, S. and Stanosz, G.R. 2001. Relationships among *Botryosphaeria* species and associated anamorphic fungi inferred from the analyses of ITS and 5.8S rDNA sequences. *Mycologia*. 93: 516-527.