

LITERATURE CITED

- Arai, M., H. Tomoda, T. Okuda, H. Wang, N. Tabata, R. Masuma, Y. Yamaguchi and S. Omura. 2002 Funicone-related compounds, potentiators of antifungal miconazole activity, produced by *Talaromyces flavus* FKI-0076. **J. Antibiot.** 55: 172-180.
- Asan, A. 2004. *Aspergillus*, *Penicillium* and related species reported from Turkey. **Mycotaxon** 89 (1): 155-157.
- Ayer, W.A. and J.S. Racok. 1990a. The metabolites of *Talaromyces flavus* Part 1: metabolites of the organic extracts. **Can. J. Chem.** 68(11): 2085-2094.
- Ayer, W.A. and J.S. Racok. 1990b. The metabolites of *Talaromyces flavus* Part 2: biological activity and biosynthetic studies. **Can. J. Chem.** 68(11): 2095-2101.
- Barron, G.L. 1968 **The Genera of Hyphomycetes from Soil**. The Williams & Wilkins Comp., Baltimore. 364 p.
- Benjamin, C.R. 1955. Ascocarps of *Aspergillus* and *Penicillium*. **Mycologia** 47: 669-687.
- Berbee, M.L., A. Yoshimura, J. Sugiyama and J. Taylor. 1995. Is *Penicillium* monophyletic ? An evaluation of phylogeny in the family Trichocomaceae from 18S, 5.8S and ITS ribosomal DNA sequence data. **Mycologia** 87(2): 210-222.
- Beuchat, L.R. 1986. Extraordinary heat resistance of *Talaromyces flavus* and *Neosartorya fisheri* ascospores in fruit products. **J. Food Sci.** 51: 1506-1510.
- Beuchat, L.R. 1988a. Influence of organic acids on heat resistance characteristics of *Talaromyces flavus* ascospores. **Int. J. Food Microbiol.** 6(2): 97-105.

- Beuchat, L.R. 1988b. Thermal tolerance of *Talaromyces flavus* ascospores as affected by growth medium and temperature, age and sugar content in the inactivation medium. **Trans. Br. Mycol. Soc.** 90: 359- 374.
- Boosalis, M.G. 1956. Effect of soil temperature and green manure amendment of unsterilized soil on parasitism of *Rhizoctonia solani* by *Penicillium vermiculatum* and *Trichoderma* sp. **Phytopathology** 46: 473-478.
- Bruford, M.W. and R.K. Wayne. 1993. Microsatellites and their applications to population genetic studies. **Curr. Opin. Genet. Dev.** 3: 939-943.
- Busarakum, K. 2002. **Diseases of Terrestrial Orchids, Endophytic Fungi on Leaves and Roots and Diversity of Rhizosphere Fungi**. M.Sc. Thesis, Kasetsart University, Bangkok, Thailand. 245 p.
- Catalan, C.A.N., C.S. de Heluani, C. Kotowicz, T.E. Gedris and W. Herz. 2003. A linear sesterterpene, two squalene derivatives and two peptide derivatives from *Croton hieronymi*. **Phytochemistry** 64(2): 625-629.
- Cavalcanti, M.A.Q., I.P.M.W. Costa, M.J.S. Fernandes, D.M.M. Lima and Z. Passavante. 2002. Filamentous fungi isolated from soil of mangrove at the Itamaraca Island, state Pernambuco, Brazil. p.148. **In Abstract of The 7th International Mycological Congress**. 11-17 Aug. 2002. Oslo, Norway.
- Chana, J. 1974. **Studies on Soil Fungi in the Central Part in Thailand**. M.Sc. Thesis, Kasetsart University, Thailand 138 p.
- Chen, W., X. Shi and Y. Chen. 2002. Microsatellite markers and clonal genetic structure of the fungal pathogen *Phialophora gregata*. **Mycol. Res.** 106: 194-202.

- Conner, D.R. and L.R. Beuchat. 1987a. Heat resistance of *Neosartorya fischeri* as affected by sporulation and heating medium. **Int. J. Food Microbiol.** 4: 303-312.
- Conner, D.R. and L.R. Beuchat. 1987b. Efficacy of media for promoting ascospore formation by *Neosartorya fischeri*, and the influence of age and culture temperature on heat resistance of ascospores. **Food Microbiol.** 4: 229-238.
- Cooke, R.G. and G.M. Edwards. 1981. **Naturally Occurring Phenalenones and Related Compounds**. pp. 153-190. In W. Herz, H. Grisebach and G.W. Kirby, eds. Progress in the chemistry of organic natural products Wien, Springer Verlag.
- Cruesrisawath, A. 1985. **Studies on Thermophilic Fungi in Thailand**. M.Sc. Thesis, Kasetsart University, Thailand. 201 p.
- Dettman, J.R. and J.W. Taylor. 2004. Mutation and evolution of microsatellite loci in *Neurospora*. **Genetics** 168: 1231-1248.
- Dijksterhuis, J. and P.G.M. Teunissen. 2004. Dormant ascospores of *Talaromyces macrosporus* are activated to germinate after treatment with ultra high pressure. **J. Appl. Microbiol.** 96: 162-169.
- Dijksterhuis, J., K.G.A. Van Driel, M.G. Sanders, J.A.M.P. Houbraeken, D. Molenaar, R.A. Samson and E.P.W. Kets. 2002. Glucose efflux and cell ejection during germination of heat activated ascospores of *Talaromyces macrosporus*. **Arch. Microbiol.** 178: 1-7.
- Domsch, K.H., W. Gams and T.H. Anderson. 1993a. **Compendium of Soil Fungi** Vol.1. 2nd Ed. Academic Press, London. 859 p.

- Domsch, K.H., W. Gams and T.H. Anderson. 1993b. **Compendium of soil fungi** Vol.2. 2nd Ed. Academic Press, London. 405 p.
- Dong, Y., J. Yang, H. Zhang, J. Lin, X. Ren, M. Liu, X. Lu and J. He. 2006. Wortmannilactones A-D, 22-membered triene macrolides from *Talaromyces wortmanii*. **J. Nat. Prod.** 69: 128-130.
- Duo-Chuan, L.I., S. Chen and L.U. Jing. 2005. Purification and partial characterization of two chitinases from the mycoparasitic fungus *Talaromyces flavus*. **Mycopathologia** 159: 223-229.
- Fahima, T. and Y. Henis. 1995. Quantitative assessment of the interaction between the antagonistic fungus *Talaromyces flavus* and the wilt pathogen *Verticillium dahliae* on eggplant roots. **Plant and Soil** 176: 129-137.
- Fahima, T., L. Madi and Y. Henis. 1992. Ultrastructure and germinability of *Verticillium dahliae* microsclerotia parasitized by *Talaromyces flavus* on agar medium and in treated soil. **Biocontrol Sci. Technol.** 2: 69-78.
- Fisher, M.C, D. Aanensen, S. de Hoog and N. Vanittanakom. 2004a. Multilocus microsatellite typing system for *Penicillium marneffei* reveals spatially structured populations. **J. Clin. Micro.** 42: 5065-5069.
- Fisher, M.C., S. de Hoog and N. Vanittanakom. 2004b. A highly discriminatory multisatellite typing (MLMT) system for *Penicillium marneffei*. **Mol. Ecol. Notes** 4: 515-518.
- Fong, Y.K., S. Anuar, H.P. Lim, F.Y. Tham and F.R. Samderson. 2000. A modified filter paper technique for long-term preservation of some fungi cultures. **Mycologist** Vol. 14, Part 3, August.

- Fravel, D.R. 1996. Interaction of biological fungi with sublethal rates of metham sodium for control of *Verticillium dahliae*. **Crop Prot.** 15(2): 115-119.
- Fravel, D.R., K.K. Kim and G.C. Papavizas. 1987. Viability of microsclerotia of *Verticillium dahliae* reduced by a metabolite produced by *Talaromyces flavus*. **Phytopathology** 77: 616-619.
- Frisvad, J.C., O. Filtenborg, R.A. Samson and A.C. Stolk. 1990. Chemotaxonomy of the genus *Talaromyces*. **Antonie. Leeuwenhoek.** 57: 179-189.
- Fuska, J., A. Fuskova and P. Nemec. 1979a. Vermistatin, an antibiotic with cytotoxic effects produced from *Penicillium vermiculatum*. **Biologia (Bratislava)** 34: 735-740.
- Fuska, J., P. Nemec and A. Fuskova. 1979b. Vermicillin, a new metabolite from *Penicillium vermiculatum* inhibiting tumor cells *in vitro*. **J. Antibiotics** 32: 667-669.
- Fuska, J., D. Uhrin, B. Proksa, Z. Voticky and J. Ruppeldt. 1986. The structure of vermistatin a new metabolite from *Penicillium vermiculatum*. **J. Antibiotics** 39: 1605-1608.
- Fuska, J., P. Nemec and I. Kuhr. 1972. Vermiculin, a new antiprotozoal antibiotic from *Penicillium vermiculatum*. **J. Antibiotics** 25: 208-211.
- Fuska, J., D. Uhrin, B. Proksa, Z. Voticky and J. Ruppeldt. 1986. structure of vermistatin a new metabolite from *Penicillium vermiculatum*. **J. Antibiot.** 39: 1605-1608.

- Fuskova, A., B. Proksa and J. Fuska. 1977. *In vitro* effect of duclauxin and derivatives of coumarin on nucleic acid and protein synthesis in Ehrlich's ascites carcinoma cells. **Pharmazie** 32: 291.
- Goldstein, D.B. and C. Schlotterer. 1999. **Microsatellites: Evolution and Application**. Oxford University Press, Oxford.
- Hawksworth, D.L., P.M. Kirk, B.C. Sutton and D.N. Pegler. 1995. **Ainsworth & Bisby's Dictionary of The Fungi**. 8th ed. Wallingford, UK: CAB International. 616 p.
- Heerden, I.V., C. Cronje, S.H. Swart and J.M. Kotze. 2002. Microbial, chemical and physical aspects of citrus waste composting. **Bioresour. Technol.** 81: 71-76.
- Heredia, G., M. Reyes, R.M. Arias and G.F. Bills. 2001. *Talaromyces ocotl* sp. nov. and observation on *T. rotundus* from conifer forest soils of Veracruz State, Mexico. **Mycologia** 93(1): 528 – 540.
- Hiroki, K. and Y. Yoshiwara. 1993. Arsenic fungi isolated from Arsenic-polluted soil. **Soil Sci. Plant Nutr.** 39 (2): 237-243.
- Horie, Y., M. Yamazaki and S. Udagawa. 1977. Soil mycoflorae in groundnut fields and their associations on harvested pods and kernels. **Trans. Mycol Soc. Japan** 18: 203-210.
- Huang, H.C., E. Bremer, R.K. Hynes and R.S. Erickson. 2000. Folier application of fungal biocontrol agents for the control of white mold of dry bean caused by *Sclerotinia sclerotiorum*. **Biol. Control** 18: 270-276.
- Huang, L.H. and J.A. Schmitt. 1975. Soil microfungi of central and Southern Ohio. **Mycotaxon** 3: 55-80.

- Hudson, H.J. 1973. Thermophilous and thermotolerant fungi in the air-spores at Cambridge. **Trans. Br. Mycol. Soc.** 60 (3): 596-598.
- Inglis, G.D. and L.M. Kawchuk. 2002. Comparative degradation of Oomycete, Ascomycete and Basidiomycete cell walls by mycoparasitic and biocontrol fungi. **Can. J. Micro.** 48 : 60- 70.
- Intana, W. 2003. **Selection and Development of *Trichoderma* spp. for High Glucanase, Antifungal Metabolite Producing and Plant Growth Promoting Isolates for Biological Control of Cucumber Damping-off Caused by *Pythium* spp.** Ph.D. Thesis. Kasetsart University, Bangkok, Thailand. 202 p.
- Ishii, K., T. Itoh, K. Kobayashi, Y. Horie and Y. Ueno. 1995. Isolation and characterization of a cytotoxic metabolite of *Talaromyces bacillisporus*. **Appl. Environ. Microbiol.** 61(3): 941-943.
- Ito, T., A. Nakagiri, M. Tanticharoen and L. Manoch. 2001. Mycobiota of mangrove forest soil in Thailand. Institute for fermentation. **Osaka Res. Comm.** 20: 50-60.
- Jeamjitt, O. 2007. **Diversity of Coprophilous Fungi, Antagonism Against Plant Pathogenic Fungi, and Secondary Metabolites.** Ph.D. Thesis. Kasetsart University, Bangkok, Thailand. 173 p.
- Jesenska, Z, E. Pieckova and D. Bernat. 1992. Heat-resistant fungi in the soil. **Int. J. Food Microbiol.** 16(3): 209-214.
- Jun, W.S., L.G. Qin, J. Dao Hong and W. DaoBen. 1999. Study on the antagonism of *Talaromyces flavus* against pathogenic fungi infecting cotton. **Journal of Huazhong Agricultural University** 18(1): 16-19.

- Kanjanamaneesathian, M. 1988. **Thermophilic and Thermotolerant Fungi from Soils, Dung and Agricultural Wastes: Classification and Enzyme Production**. M.Sc. Thesis, Kasetsart University, Thailand. 192 p.
- Kawai, K., Y. Nozawa, T. Ito, N. and N. Yamanaka. 1982. Effects of xanthomegnin and duclauxin on culture cells of murine leukemia and Ehrlich ascites tumor. *Res. Commun. Chem. Pathol. Pharmacol.* 3: 29-38.
- Kim, K.K., D.R. Fravel and G.C. Papavizas. 1988. Identification of a metabolite produced by *Talaromyces flavus* as glucose oxidase and its role in the biocontrol of *Verticillium dahliae*. **Phytopathology** 78: 488-492.
- Kim, K.K., D.R. Fravel and G.C. Papavizas. 1990a. Production, purification, and properties of glucose oxidase from the biological fungus *Talaromyces flavus*. **Can. J. Microbiol.** 36: 199-205.
- Kim, K.K., D.R. Fravel and G.C. Papavizas. 1990b. Glucose oxidase as the antifungal principle of talaron from *Talaromyces flavus*. **Can. J. Microbiol.** 36: 760-765.
- King, A.D. and L.C. Whitehand. 1990. Alteration *Talaromyces flavus* heat resistance by growth conditions and heating medium composition. **J. Food Sci.** 55: 830-832.
- Kirk, P.M., P.F. Cannon, J.C. David and J.A. Stalpers. 2001. **Dictionary of The Fungi**. 9th ed. CAB International, Wallingford, United Kingdom. 655 p.
- Kong, H.Z. 1999. *Talaromyces brevicompactus*, a new species from China. **Mycosystema** 18(1): 9-12.
- Komai, S., T. Hosoe, T. Itabashi, K. Nozawa, K. Okada, G.M. Takaki, T. Chikamori, K. Fukushima, M. Miyaji and K. Kawai. 2004. A new funicone derivative isolated from *Talaromyces flavus* IFM52668. **Mycotoxins** 54: 14-19.

- Komai, S., T. Hosoe, T. Itabashi, K. Nozawa, T. Yaguchi, K. Fukushima and K. Kawai. 2005. New vermistatin derivatives isolated from *Penicillium simplissimum*. **Heterocycles** 65: 2771-2776.
- Kovac, L., E. Bohmerova and J. Fuska. 1978. Inhibition of mitochondrial functions by the antibiotics bikaverin and duclauxin. **J. Antibiotic** 31: 616-620.
- Kuhr, I. and J. Fuska. 1973. Antitumor antibiotic produced by *Penicillium stipitatum*. Its identity with duclauxin. **J. Antibiotic** 26: 535-536.
- Langley, D. 1997. Exploiting the fungi: novel leads to new medicines. **The Mycologist** 11(4): 165-167.
- Larsen, T.O., J. Smedsgaard, K.F. Nielsen, M.E. Hansen and J.C. Frisvad. 2005. Phenotypic taxonomy and metabolite profiling in microbial drug discovery. **Nat. Prod. Rep.** 22: 672-695.
- LoBuglio, K.F., J.I. Pitt and J.K. Taylor. 1993. Phylogenetic analysis of two ribosomal DNA regions indicates multiple independent losses of a sexual *Talaromyces* state among asexual *Penicillium* species in subgenus Biverticillium. **Mycologia** 85(4): 592-604.
- Luangsa-ard, J.J., N.L. Hywel-Jones and R.A. Samson. 2004. The order level polyphyletic nature of *Paecilomyces sensu lato* as revealed through 18S-generated rRNA phylogeny. **Mycologia** 96: 773-780.
- Madi, L., T. Katan, J. Katan and Y. Henis. 1997. Biological control of *Sclerotium rolfsii* and *Verticillium dahliae* by *Talaromyces flavus* is mediated by different mechanisms. **Phytopathology** 87: 1054-1060.
- Manoch, L. 2004. Soil Fungi. pp. 141-154. In E.B.G. Jones, M. Tanticharoen and K.D. Hyde, eds. **Thai Fungal Diversity**. BIOTEC, Thailand.

- Manoch, L. and C. Chana. 1996. **Final Report: Culture Collection of Soil and Aquatic Fungi**. Department of Plant Pathology, Kasetsart University, Bangkok, Thailand. 493 p.
- Manoch, L., O. Jeamjitt, T. Dethoup, J. Kokaew, Y. Paopan and P. Poochinya. 2005. SEM study of ascospore ornamentation in soil fungi. **J.E.M.S.T** 19(1): 211-212.
- Manoch, L., C. Chana and P. Athipunyakom. 2000. Microfungi from different forest types of Huay Kha Khang Wildlife Sanctuary. pp. 436-444. **In The Proceedings of 38th Kasetsart University Annual Conference**. 1-4 February 2000. Kasetsart University, Bangkok, Thailand.
- Manoch, L., C. Chana, S. Somrithipol and S. Kosol. 1997. Ascomycetes and Deuteromycetes from Soil and Plant. pp. 432-443. **In The Proceedings of 35th Kasetsart University Annual Conference**. 3-5 February 1997. Kasetsart University, Bangkok, Thailand.
- Manoch, L., O. Jeamjitt, T. Dethoup, J. Kokaew and P. Poochinya. 2004. SEM study on ascospore ornamentation *Aspergillus* and *Penicillium* teleomorphs from soil at termite mounds. **J.E.M.S.T**. 18: 98-103.
- Marois, J. J., D. R. Fravel and G. C. Papavizas. 1984. Ability of *Talaromyces flavus* to occupy the rhizosphere and its interaction with *Verticillium dahliae*. **Soil Biol. Biochem.** 16:381-390.
- Marois, J.J., S.A. Johnston, M.T. Dunn and G.C. Papavizas. 1982. Biological control of verticillium wilt of eggplant. **Plant Dis.** 66: 1166-1181.
- Massias, M., L. Molho, S. Rebuffat, M. Cesario, J. Guilhen, C. Pascard and B. Bodo. 1989. Vermiculinol and vermiculidiol, macrodiolides from the fungus *Penicillium vermiculatum*. **Phytochemistry** 28: 1491-1494.

- McLaren, D.L., H.C. Huang and S.R. Rimmer. 1986. Hyperparasitism of *Sclerotinia sclerotiorum* by *Talaromyces flavus*. **Can. J. Plant Pathol.** 8: 43-48.
- McLaren, D.L., H.C. Huang and S.R. Rimmer. 1996. Control of apothecial production of *Sclerotinia sclerotiorum* by *Coniothyrium minitans* and *Talaromyces flavus*. **Plant Dis.** 80: 1373-1378.
- McLaren, D.L., H.C. Huang, S.R. Rimmer and E.G. Kokko. 1989. Ultrastructural studied on infection of sclerotia of *Sclerotinia sclerotiorum* by *Talaromyces flavus*. **Can. J. Bot.** 67: 2199-2205.
- Mizuno, K., A. Yagi, M. Takada, K. Matsuura, K. Yamaguchi and K. Asano. 1974. A new antibiotic, Talaron. **J. Antibiotic** 27: 560-563.
- Murtaza, N., S. Husain, T.B. Sarfaraz, N. Sultana and S. Faizi. 1997. Isolation and identification of vermistatin, ergosterol, stearic acid and mannitol, metabolic products of *Penicillium verruculosum*. **Planta Med** 63: 191.
- Nagtaam, M.P.M. and G.J. Bollen. 1997. Colonization of roots of eggplant and potato by *Talaromyces flavus* from coated seed. **Soil Biol. Biochem.** 29: 1499-1507.
- Nascimento, E., R. Martinez, A.R. Lopes, L.A.S. Bernasdes, C.P. Barco, M.H.S. Goldman, J.W. Taylor, J.G. McEwen, M.P. Nobrega, F.G. Nobrega and G.H. Golgman. 2004. Detection and selection of microsatellites in the genome of *Paracoccidioides brasiliensis* as molecular markers for clinical and epidemiological studies. **J. Clin. Microbiol.** 42: 5007 – 5014.
- Nei, M. and W.H. Li. 1979. Mathematical model for studying genetic variation in terms of restriction endonucleases. **Proc. Natl. Acad. Sci. U.S.A.** 76: 5269–5273.

- Nozawa, K., R. Saito, S. Nakajima, K.-I. Kawai and S.-I. Udagawa. 1995. An azaphilone from *Talaromyces tardifaciens*. **Phytochemistry** 39(3): 719-721.
- Ogihara, Y., Y. Litaka and S. Shibata. 1965. X-Ray study of monobromodichlauxin. **Tetrahedron Lett.** 18: 1289-1290.
- Ormero, M.C., E.H. Reinoso, M.I. Urrutia and A.M. Kiernan. 2006. Biosorption of heavy metals by *Talaromyces helicus*: a trained fungus for copper and biphenyl detoxification. **J. Biotechnol.** 9(3): 221-226.
- Peberdy, J.F. 1999. **Biotechnology Handbook 1: *Penicillium* and *Acremonium***. Plenum Press, New York. 297 p.
- Phillips, N. J., J. Coler and G. Lynnd. 1987. Talaromycins C, D, E, and F. **Tetrahedron Lett.** 28(15): 1619-1622.
- Pitt, J.I. 1979a. **The Genus *Penicillium* and Its teleomorphic States *Eupenicillium* and *Talaromyces***. Academic Press. England. 634 p.
- Pitt, J.I. 1979b. *Geosmithia* gen. nov. for *Penicillium lavendulum* and related species. **Can. J. Bot.** 57: 2021-2030.
- Pitt, J.I. 1979c. *Merimble* gen. nov. the anamorphic state of *Talaromyces avellaneus*. **Can. J. Bot.** 57: 2394 -2398.
- Pitt, J.I. and A.D. Hocking. 1997. **Fungi and Food Spoilage**. 2ed. University Press, Cambridge. 593 p.
- Pitt, J.I., R.A. Samson and J.C. Frisvad. 2000. List of accepted species and their synonyms in the family Trichocomaceae. pp. 9-49. In R.A. Samson and J.I. Pitt, eds. **Integration of Modern Taxonomic Methods for *Penicillium* and *Aspergillus* Classification**. Harwood academic publishers.

- Ramirez, C. 1982. **Manual and Atlas of the Penicillia**. Elsevier Biomedical Press. Netherlands. 874 p.
- Raper, K.B. and C. Thom. 1949. **A Manual of Penicillia**. Hafner publishing company, Inc. 875 p.
- Rayner, R.W. 1970. **A Mycological Colour Chart**. Commonwealth Mycological Institute, Kew and the British Mycological Society.
- Rosenberg, S.L. 1975. Temperature and pH optima for 21 species of thermophilic and thermotolerant fungi. **Can. J. Microbiol.** 21:1535-1540.
- Sage, L., L. Bennasser, R. Steiman and F.S. Murandi. 1997. Fungal microflora biodiversity as a function in Oued Seboo (MOROCCO). **Chemosphere**. 35(4): 751-759.
- Samson, R.A. 2000. List of names of Trichocomaceae published between 1992 and 1999. pp. 73-79. In R.A. Samson and J.I. Pitt, eds. **Integration of Modern Taxonomic Methods for *Penicillium* and *Aspergillus* Classification**. Harwood Academic Publishers. The Netherlands.
- Samson, R.A. and H.M. AbdelFattah. 1978. A new species of *Talaromyces* and a discussion of some recently described taxa. **Persoonia** 9: 501-504.
- Samson, A.R., E.S. Hoekstra, J.C. Frisvad and O. Filtenborg. 2002. **Introduction to Food and Airborne Fungi**. CBS, Utrecht. 389 p.
- Satanimi, L. 1971. **Studies on Soil Microfungi of The Mt. Pelion Highland in Greece**. M.Sc. Thesis, Univ. Wisconsin. 191 p.

- Sawadjoon, S., P. Kittakooop, M. Isaka, K. Kirtikara, S. Madla and Y. Thebtaranonth. 2004. Antiviral and antiplasmodial spirodihydrobenzofuran terpenes from the fungus *Stachybotrys nephrospora*. **Planta Med.** 70: 1085-1087.
- Shibata, S., Y. Ogihara, N. Tokutake and O. Tanaka. 1965. Duclauxin, a metabolites of *Penicillium duclauxii*. **Tetrahedron Lett.** 1287-1288.
- Shiojiri, H., K. Kawai, T. Kato, Y. Ogihara and Y. Nozawa. 1983. Cytotoxicities on culture cells and inhibitory effects on mitochondrial respiration by duclauxin and related compounds. **Mycotoxins** 18: 38-41.
- Shiojiri, H., T. Nakamura, K. Hissada, K. Kawai, Y. Nozawa and E. Okuyama. 1984. The effect of bacillosporin A from *Talaromyces bacillosporus* on mitochondrial respiration. **Mycotoxins** 20: 17-19.
- Shiozawa, H., M. Takahashi, T. Takatsu, T. Kinoshima, K. Tanzawa, T. Hosoya, K. Furuya and S. Takahashi. 1995. Trachyspic acid, a new metabolite produced by *Talaromyces trachyspermus*, that inhibits tumor cell heparanase: Taxonomy of the producing strain, fermentation, isolation, structural elucidation, and biological activity. **J. Antibiotic** 48 (5): 357-362.
- Skehan, P., R. Storeng, D. Scudiers, A. Monks, J. McMahon and D. Vistica. 1990. New colorimetric cytotoxicity assay for anticancer drug screening. **J. Natl. Cancer Inst.** 82: 1107-1112.
- Smith, D. and A.H.S. Onions. 1994. **The Preservation and Maintenance of Living Fungi**. 2nd ed. IMI Technical Handbooks. Wallingford: CAB International
- Singh, J. and K.R. Aneja. 1999. **From Ethnomycology to Fungal Biotechnology. Exploiting Fungi from Natural Resources for Novel Products**. Plenum Press, India. 293 p.

- Singh, S.B., D.L. Zink, M. Williams, J.D. Polishook, M. Sanchez, K.C. Silverman and R.B. Lingham. 1998. Kampanols: novel Ras farnesyl-protein transferase inhibitors from *Stachybotris kampalensis*. **Biorg. Med. Chem. Lett.** 8: 2071-2076.
- Sirjusingh, C. and L.M. Kohn. 2001. Characterization of microsatellites in the fungal plant pathogen, *Sclerotinia sclerotiorum*. **Mol. Ecol. Notes** 1(4): 267-269.
- Stolk, A.C. and R.A. Samson. 1972. **The Genus *Talaromyces*: Studies on *Talaromyces* and Related Genera II**. CBS, Baarn, Netherlands. 65 p.
- Stosz, S.K., D.R. Fravel and D.P. Roberts. 1996. *In vitro* analysis of the role of glucose oxidase from *Talaromyces flavus* in biocontrol of the plant pathogen *Verticillium dahliae*. **Appl. Environ. Microbiol.** 62: 3183-3186.
- Stosz, S.K., S. Roy, C. Murphy, W. Wergin and D.R. Fravel. 1998. Localization of glucose oxidase with immunocytochemistry in the biocontrol fungus *Talaromyces flavus*. **Phytopathology** 88: 576-581.
- Subramanian, C.V. and C. Rajendran. 1975. *Raperia*, a new genus of the Hyphomycetes. **Kavaka** 3: 129-133.
- Sudpro, N. 1999. **Biodiversity of Soil Fungi and Plant Pathogenic Fungi in Sakhon Nakorn field Soils**. M.Sc. Thesis. Kasetsart University, Bangkok, Thailand 321 p.
- Suzuki, S., T. Hosoe, K. Nozawa, K. Kawai, T. Yaguchi and S. Udagawa. 2000. Antifungal substances against pathogenic fungi, Talaroconvolutins, from *Talaromyces convolutus*. **J. Nat. Prod.** 63: 768-772.

- Suzuki, S., T. Hosoe, K. Nozawa, T. Yagachi, S. Udagawa and K. Kawai. 1999. Mitorubrin derivatives on ascomata of some *Talaromyces* species of ascomycetous fungi. **J. Nat. Prod.** 62(9): 1328-1329.
- Suzuki, S., K. Nozawa, S. Nakajima, S. Udagawa and K. Kawai. 1992. Isolation and structures of antibacterial binaphtho- α -pyrones, Talaroderxines A and B, from *Talaromyces derxii*. **Chem. Pharm. Bull. (Tokyo)** 40(5): 1116-1119.
- Takada, M. and S. Udagawa. 1988. A new species of heterothallic *Talaromyces*. **Mycotoxon** 2: 417 – 425.
- Takada, M. and S. Udagawa. 1993. *Talaromyces indigoticus*, a new species from soil. **Mycotoxon** 46:129 –134.
- Tansey, M.R. 1971. Isolation of thermophilic fungi from self-heated, industrial wood-chip piles. **Mycologia** 63: 537-547.
- Taylor, J.W., J.I. Pitt and A.D. Hocking. 1990. Ribosomal DNA restriction studies of *Talaromyces* species with *Paecilomyces* and *Penicillium* anamorphs. pp. 357–370. In R.A. Samson and J.I Pitt, eds. **Modern Concepts in *Penicillium* and *Aspergillus* Classification**. Plenum Press, New York.
- Tjamos, E.C. and D.R. Fravel. 1995. Detrimental effects of sublethal heating and *Talaromyces flavus* on microsclerotia of *Verticillium dahliae*. **Biol. Control** 85(4): 388-392.
- Tjamos, E.C. and D.R. Fravel. 1997. Distribution and establishment of the biocontrol fungus *Talaromyces flavus* in soil and on roots of solanaceous crops. **Crop Protection** 16(2): 135-139.
- Tokumasu, S. 1974. An annotated list of soil fungi of Sugadaira, Central Japan. **Bull. Sugadaira Biological Laboratory** 6:33-60.

- Tzean, S.S., J.L. Chen and S.H. Shiu. 1992. *Talaromyces unicus* sp. nov. from Taiwan. **Mycologia** 85(4): 739-749.
- Udagawa, S. 1963. Notes on some Japanese Ascomycetes 1. **Trans. Mycol Soc. Japan** 4: 94-102.
- Udagawa, S. 1993. Three new species of *Talaromyces* from Nepal. **Mycotaxon** 48: 141-146.
- Udagawa, S. 2000. Heat resistant molds, a specific topic on food and beverage mycology. **Mycotoxins** 50(1): 3-11.
- Udagawa, S. and S. Suzuki. 1994. *Talaromyces spectabilis*, a new species of food – borne ascomycetes. **Trans. Mycol. Soc. Japan** 50: 81-88.
- Udagawa, S., H. Tsubouchi and N. Toyazaki. 1996. Isolation and identification of *Neosartorya* species from house dusts as hazardous indoor pollutants. **Mycoscience** 37: 217-222.
- Udagawa, S., S. Kamiya and K. Osada. 1993. *Talaromyces retardatus*, a new species isolated from decaying woody material. **Trans. Mycol. Soc. Japan** 34: 9-13.
- Udagawa, S., S. Uchiyama and S. Kamiya. 1994. *Talaromyces lagunensis*, a new species from Philippine soil. **Mycoscience** 35: 403-407.
- Van Der Spuy, J.E., F.N. Matthee and D.J.A. Crafford. 1975. The heat resistance of moulds *Penicillium vermiculatum* Dangeard and *Penicillium brefeldianum* Dodge in apple juice. **Phytophylaclica** 7: 105-108.
- Wang, L. and W.Y. Zhuang. 2007. Phylogenetic analyses of penicillia based on partial calmodulin gene sequences. **BioSystema** 88: 113-126.

- Warcup, J.H. 1950. The soil plate method for isolation of fungi from soil. **Nature** 166: 117-118.
- Warcup, J.H. and K.F. Baker. 1963. Occurrence of dormant ascospore in soil. **Nature** 197: 1317-1318.
- Wongthong, S. 2001. **Biodiversity of Higher Fungi in Mangrove Forest at Ranong Coastal Research Station**. M.Sc. Thesis, Kasetsart University, Bangkok, Thailand. 188 p.
- Yaguchi, T., A. Someya and S. Udagawa. 1994a. Two new species of *Talaromyces* from Taiwan and Japan. **Mycoscience** 35: 249-255.
- Yaguchi, T., A. Someya, S. Miyahod and S. Udagawa. 1994b. A new variety of *Talaromyces wortmannii* and some observation on *Talaromyces assiutensis*. **Mycoscience** 35: 63-68.
- Yaguchi, T., A. Someya and S. Udagawa. 1996. New and rare microfungi from the island of Hachijo-jima. **Mycoscience** 37: 157-162.
- Yaguchi, T., A. Someya and S. Udagawa. 1999. *Talaromyces euchlorocarpus*, a new species from soil. **Mycoscience** 40: 133-136.
- Yaguchi, T., S. Imai and S. Udagawa. 1992. *Talaromyces helicus* var. *boninensis*, a new variety from Japenase soil. **Trans. Mycol. Soc. Japan** 35: 511-515.
- Yaguchi, T., S. Miyadoh and S. Udagawa. 1993a. Two new species of *Talaromyces* from soil. **Trans. Mycol. Soc. Japan** 34: 245-254.
- Yaguchi, T., S. Miyadoh and S. Udagawa. 1993b. *Talaromyces barcinensis*, a new soil ascomycete. **Trans. Mycol. Soc. Japan** 34: 15-19.

- Yaguchi, T., S. Udagawa and K. Nishimura. 2005. *Geosmithia argillacea* is the anamorph of *Talaromyces eburneus* as a heat resistant fungus. **Cryptogam. Mycol.** 26(2): 133-141.
- Yamazaki, M. and E. Okuyama. 1980. Isolation and structures of oxaphenalenone dimers from *Talaromyces bacillosporus*. **Chem. Pharm. Bull. (Tokyo)** 28: 3649-3655.
- Yoshida, E., H. Fujimota and M. Yamazaki. 1996. Isolation of three new azaphilones, luteusins C, D and E, from an Ascomycetes, *Talaromyces luteus*. **J. Antibiotic** 44: 284-287.