

### บรรณานุกรม

- สมหญิง ชัมวาสร. 2541. Melioidosis. ใน (นเรศร สุขเจริญ, อภิวัฒน์ มุทิตรากร และ ยง ภู่วรรณ), อนุชีววิทยาทางการแพทย์. หน้า 356-369. กรุงเทพฯ: บริษัท เท็กซ์ แอนด์ เจอร์นัล พับลิเคชั่น.
- วิภาดา เขาวกุล และ ผกากรอง ลุมพิกานนท์. 2540. เมลิออยโดสิส. ใน (นลินี อัสวโกที, สุรภี เทียนกริม, ศศิธร ลิขิตนุกูล และ อัญญา วิภากุล), ประสบการณ์ด้านโรคติดเชื้อในประเทศไทย. หน้า 86-105. กรุงเทพฯ: บริษัท โฮลิสติก พับลิชชิ่ง จำกัด.
- นันทนา อรุณฤทธิ. 2537. การจำแนกแบคทีเรียกลุ่มแอโรบัส. หน้า 97-101. กรุงเทพฯ: บริษัท โอ.เอส.พริ้นติ้ง เฮาส์.
- มาลัย วรจิตร และ พนิดา ชัยเนตร. 2525. การทดสอบความไวต่อสารต้านจุลชีพแบบกึ่งปริมาณวิเคราะห์. ใน (พนิดา ชัยเนตร และ มาลัย วรจิตร), การใช้ห้องปฏิบัติการในการเลือกยารักษาโรคติดเชื้อ. หน้า 33-50. กรุงเทพฯ: โรงพิมพ์พิมพ์เนศ.
- มาลิน จุลศิริ. 2532. ยาต้านจุลชีพ : ความรู้พื้นฐานและการประยุกต์การใช้นอกวงการแพทย์. หน้า 121-129. คณะเภสัชศาสตร์ มหาวิทยาลัยมหิดล.
- มาลินี ลิ้มโกคา. 2525. ยาต้านจุลชีพในสัตว์ (ยาปฏิชีวนะ : ยาซัลฟาและสารยับยั้ง). โรงพิมพ์จักร์สันทวงศ์ กรุงเทพ. 45-48.
- สถิตย์ สิริสิงห์, ชารรัตน์ ชารากุล, วิภาดา เขาวกุล และ สุรศักดิ์ วงศ์รัตนชีวิน. 2538. Melioidosis : A National Problem รายงานโครงการวิจัย สำนักงานกองทุนสนับสนุนการวิจัย หน้า 1-80.

- Aliniaze, M.T. 1998. Ecology and management of hazelnut pests. *Annu. Rev. Entomol. J.* 43 : 395-419
- Arakawa, M. 1990. Infection with *Pseudomonas pseudomallei* . *Rinsho Byori.* XXXVIII(11) : 1226-1231.
- Aronson, A.I. 1993. Insecticidal toxins. In AL. Sonenshein, JA. Hoch and R. Losick (eds.), *Bacillus subtilis* and other Gram-positive Bacteria. pp. 959-963. ASM Washington DC.
- Aronson, A.I. Han, E.S. McGaughey, W. and Johnson, D. 1991. The solubility of Inclusion proteins from *Bacillus thuringiensis* is depend upon protoxin composition and is a factor in toxicity to insects. *Appl. Environ. Microbiol.* 57 : 981-986.
- Ashdown, L.R. 1979. Identification of *Pseudomonas pseudomallei* in the clinical laboratory. *J. Clin. Pathol.* 32 : 500-504.
- Babasaki, K. Takao, T. Shimonishi, Y. and Kurahashi, K. 1985. Subtilosin A, a new antibiotic peptide produced by *Bacillus subtilis* 168 : isolation, structural analysis, and biogenesis. *J. Biochem.* 98 : 585-603.
- Bacon, C.W. and Hinton, D.M. 2001. Endophytic and biological control potential of *Bacillus mojavensis* and related species. *Biol. Control.* 23 : 274-284.

- Baneljee, S. and Bansen, J.N. 1988. Structure and expression of a gene encoding the precursor of subtilin, a small protein antibiotic. *J. Biol. Chem.* 263 : 9508-9514.
- Baumann, P. Clark, M.A. Baumann, L. and Broadwell, A.H. 1991. *Bacillus sphaericus* as a mosquito pathogens of the organism and its toxin. *Microbiol. Rev.* 55 : 425-436.
- Bennett, J.W. and Bentley, R. 1989. What's in a name-microbial secondary metabolites. *Adv. Appl. Microbiol.* 34 : 1-28.
- Berdy, J. 1974. Recent development of antibiotic research and classification of antibiotic according to chemical structure. *Adv. Appl. Microbiol.* 18 : 309-406.
- Boman, H.G. 1995. Peptide antibiotics and their role in innate immunity. *Annu. Rev. Immunol.* 13 : 61-92.
- Brett, P.J. DeShazer, D. and Woods, D.E. 1998. *Burkholderia thailandensis* sp. nov., a *Burkholderia pseudomallei*-like species. *Int. J. Sys. Bacteriol.* 48 : 317-320.
- Brook, M.D. Currie, B. and Desmarchelier, P.M. 1997. Isolation and Identification of *Burkholderia pseudomallei* from soil using selective culture techniques and the polymerase chain reaction. *J. Applied. Microbiol.* 82 : 589-596.

- Bu'lock, J.D. 1961. Intermediary metabolism and antibiotic synthesis. *Adv. Appl. Microbiol.* 3 : 293-342.
- Burtnick, M.N. and Woods, D.E. 1999. Isolation of polymyxin B susceptible mutants of *Burkholderia pseudomallei* and molecular characterization of genetic loci involved in polymyxin B resistance. *Antimicrob Agents Chemoter.* 43 (11) : 2648-2656.
- Casida, L.E.JR. 1968. Industrial Microbiology. pp 55-63. John Wiley and Sons Inc.
- Chaiyaroj, S.C. Kotrnon, K. Koonpaew, S. Anatagool, N. White, N.J. and Sirinha, S. 1999. Difference in genome macrorestriction patterns of arabinose positive (*Burkholderia thailandensis*) and arabinose negative *Burkholderia pseudomallei*. *Microbiol. Immunol.* 43 (7) : 625-630.
- Chantratita, N. Withekanun, V. Sirisinha, S. 2001. Antigenic heterogeneity of lipopolysaccharide of *Burkholderia pseudomallei* isolated from Australia, In abstracts of World Melioidosis congress, September 26-29, 2001. 40.
- Chaowagul, W. Suputtamongkol, Y. Dance, D.A. Rajchanuvong, A. Pattaraarechachai, J. and White, N.J. 1990. Relapse in melioidosis: incidence and risk factors. *J. Infect. Dis.* 168 : 1181-1185.
- Chaowagul, W. White, N.J. Dance, D.A. Wattanagoon, Y. Naigowit, P. Davis, T.M. Looareesuwan, S. and Pitakwatchara, N. 1989. Melioidosis: a major cause of community-acquired septicaemia in North. Eastern Thailand. *J. Infect. Dis.* 159 : 890-899.

- Csordas, A. and Michl, H. 1970. Isolation and structure of a haemolytic polypeptide from the defensin secretion of European *Bombina* species. *Monatsh. Chem.* 101 : 182-189.
- Currie, B. 1994. Increasing recognition of melioidosis in Tropical Australia. Melioidosis prevailing problems and future directions. Kuala Lumpur, Malaysia. 20-24.
- Currie, B. Smith-Vaughan, H. Golledge, C. Buller, N. Sriprakash, K.S. and Kemp, D.J. 1994. *Pseudomonas pseudomallei* isolates collected over 25 years from a non-tropical endemic focus show clonality on the basis of ribotyping. *Epidemiol. Infect.* 113 : 307-312.
- Currie, B. Howard, D. and Nguyen, V.T. Whitnall, K. and Merianos, A. 1993. The 1990-1991 outbreak of melioidosis in the northern territory of Australia: clinical aspect. *Southeast. Asian. J. Trop. Med. Pub. Health.* 24 : 436-443.
- Czaczuk, K. Trojanowska, K. and Muller, A. 2002. Antifungal activity of *Bacillus coagulans* against *Fusarium* sp. *Acta. Microbiol. Pol.* 51 (3) : 275-283.
- Dance, D.A. Davis, T.M.E. Wattanagoon, Y. Chaowagul, W. Saiphan, P. Looareesuwan, S. Wuthieknun, V. and White, N.J. 1989a. Acute suppurative parotitis caused by *Pseudomonas pseudomallei* in children. *J. Infect. Dis.* 159 : 654-660.

- Dance, D.A. Wutheikanum, V. Naigowit, P. and White, N.J. 1989b. Identification of *Pseudomonas pseudomallei* in clinical practise: use of simple screening test and API20NE. *J. Clin. Pathol.* 42 : 645-648.
- Dance, D.A. 1991. Melioidosis : the tip of iceberg?. *Clin. Microbiol. Rev.* 4 (1) : 52-60.
- Davis, B.J. 1964. Disc electrophoresis I. Background and theory. *Ann. N.Y. Acad. Sci.* 121 : 321-349.
- Deacon, J.W. 1983. Microbial control of plant pests and disease. Van nostrand Reinhold, Working ham.
- Dejsirilert, S. Kondo, E. Chiewsilp, P. and Kanai, K. 1991. Growth and survival of *Pseudomonas pseudomallei* in acidic environments. *Jpn. J. Med. Sci. Biol.* 44 : 63-74.
- Demain, A.L. Piret, J.M. Friebel, T.E. Vandamme, E.J. and Matteo, C.C. 1976. Studies on *Bacillus brevis* directed towards the cell-free synthesis of gramicidin S, In D. Schlessinger (ed.), Microbiology, pp. 437-443. ASM, Washington, D.C.
- DeShazer, D. Brett, P.J. Burtnick, M.N. and Woods, D.E. 1999. Molecular characterization of genetic loci required for secretion of exoproducts in *Burkholderia pseudomallei*. *J. Bacteriol.* 181 : 4661-4664.

- Dharakul, T. Songsivilai, S. Amithik, A. Thepthai, C. and Leelaporn, A. 1999a. Rapid identification of *Burkholderia pseudomallei* in blood cultures by latex agglutination using lipopolysaccharide specific monoclonal antibody. *Am. J. Trop. Med. Hyg.* 61 : 658-62
- Dharakul, T. Tassaneetrithep, B. Trakulsomboon, S. and Songsivilai, S. 1999b. Phylogenetic analysis of Ara<sup>+</sup> and Ara<sup>-</sup> *Burkholderia pseudomallei* isolates and development of a multiplex PCR procedure for rapid discrimination between the two biotypes. *J. Clin. Micro.* 37 : 1906-1912.
- Dharakul, T. Songsivilai, S. Anuntagool, N. Chaowagul, W. Wongbunnate, S. Intachote, P. and Sirisinha, S. 1997. Diagnostic value of an antibody enzyme-linked immunosorbent assays using affinity-purified antigen in an area endemic for melioidosis. *Am. J. Trop. Med. Hyg.* 56 (4) : 418-423.
- Dharakul, T. Songsivilai, S. Viriyachitra, S. Luangwedchakarn, V. Tassaneetritap, B. and Chaowagul, W. 1996. Detection of *Burkholderia pseudomallei* DNA in patients with septicemic melioidosis. *J. Clin. Microbiol.* 27 : 171-180.
- Dharakul, T. and Songsivilai, S. 1996. Recent development in the laboratory diagnosis of melioidosis. *J. Infect. Dis. Antimicrob. Agents.* 13 : 77-80.
- Edward, D.L. Payne, J. and Soares, G.G. 1988. Novel isolates of Bt having activity against nematodes. European patent Application.

- Eisenberg, D. and Wesson, M. 1990. The most highly amphiphilic alpha-helices include two amino acid segments in human immunodeficiency virus glycoprotein. *Biopolymers*. 41 : 171-177.
- Ellis, J.F. and Titball, R.W. 1999. *Burkholderia pseudomallei*: medical, veterinary and environmental aspects. *Infect. Dis. Rev.* 1 (3) : 174-181.
- Farkas-Himsley, H. 1968. Selection and rapid identification of *Pseudomonas pseudomallei* from other gram negative bacteria. *Am. J. Clin. Pathol.* 49 : 850-856.
- Fujikawa, K. Suzuki, T. and Kurahashi, K. 1968. Biosynthesis of tyrocidine by a cell-free enzyme system of *Bacillus brevis* ATCC 8185 I. Preparation of partially purified enzyme system and its properties. *Biochim. Biophys. Acta.* 161 : 232-246.
- Fredenhagen, A. Fendrich, G. Marki, F. Marki, W. Gruner, I. Raschdorf, F. and Peter, H.H. 1990. Duramycins B and C, two new lanthionine containing antibiotics as inhibitors of phospholipase A<sub>2</sub>: structural revision of duramycin and cinnamycin. *J. Antibiot.* 43 : 1403-1412.
- Ganz, T. and Lehrer, R.I. 1997. Antimicrobial peptides of leukocytes. *Curr. Opin. Hematol.* 4 : 53-58.
- Godfredsen, S.E. 1990. Microbial lipases, In. W.M. Fogarty and K.T. Kelly (eds.), *Microbial enzymes and Biotexhnology*, 2nd ed, pp. 255-274. Elsevier Applied Science, London.

- Haase, A. Janzen, J. Barrett, S. and Currie, B. 1997. Toxin production by *Burkholderia pseudomallei* strains and correlation with severity of melioidosis. *J. Med. Microbiol.* 46 : 557-563.
- Hancock, R.E.W. and Chapple, D.S. 1999. Peptide antibiotics. *Antimicrob. Agents. Chemother.* 43 (6) : 1317-1323.
- Haussler, S. Nimtz, M. Domke, T. Wray, V. and Steinmetz, I. 1998. Purification and characterization of a cytotoxic exolipid of *Burkholderia pseudomallei*. *Infect. Immun.* 66 : 1588-1593.
- Haavik, H.I. 1974. Studies on the formation of bacitracin by *Bacillus licheniformis*: role of catabolite repression and organic acids. *J. Gen. Microbiol.* 84 : 321-326.
- Heng, B.H. Goh, K.T. Yap, E.H. Loh, H. and Yeo, M. 1998. Epidemiological surveillance of melioidosis in Singapore. *Annal. Acad. Med. Singapore.* 27 : 478-84.
- Hilton, M.D. Alaeddinoglu, N.G. and Demain, A.L. 1988. Synthesis of bacilysin by *Bacillus subtilis* from prephenate of the aromatic amino acid pathway. *J. Bacteriol.* 170 : 482-484.
- Horinuchi, S. and Beppu, T. 1990. Autoregulatory factors of secondary metabolism and morphogenesis in actinomycetes. *Crit. Rev. Biotech.* 10 : 191-204.
- Howell, J.D. Anderson, L.E. Coffey, G.L. Senos, G.D. Underhil, M.A. Volger, D.L. and Ehrlich, J. 1972. Butirosin, a new aminoglycoside antibiotic complex :

bacterial origin and some microbiological properties. *Antimicrob. Agents. Chemother.* 2 : 79-83.

Hultmark, D. Steiner, H. Rasmusson, T. and Boman, H.G. 1980. Insect immunity: purification and properties of three inducible bactericidal proteins from hemolymph of immunized pupae of *Hyalophora cecropia*. *Eur. J. Biochem.* 106 : 7-16.

Ileri, S.Z. 1965. The indirect hemagglutination test in the diagnosis of melioidosis in goats. *Brit Vet. J.* 121 : 164-170.

Jarnagin, A.S. and Ferrari, E. 1992. Extracellular enzymes: gene regulation and structure function relationship studies, p. 191-219. In. R. Doi and M. McGloughlin(ed.), *Biology of Bacilli : Application to Industry*. Butterworth-Heineman, Boston.

Kado Clarens, I. Schnathort, W.C. and Azad Hamid, R. 1987. Method of using *Bacillus polymyxa* 9A to protect against *Verticillium* wilt. The Reagents of the University of California. Patent USA. No. 589606 14.03.84.

Kalletta, C. Entian, K.D. Kellner, F. Jung, G. Reis, M. and Sahl, H.G. 1989a. Pep5, a new lantibiotic: structural gene isolation and prepeptide sequence. *Arch. Microbiol.* 152 : 16-19.

Kalletta, C. and Entlan, K.D. 1989b. Nisin, a peptide antibiotic: cloning and sequencing of the nisA gene and posttranslational processing of its peptide product. *J. Bacteriol.* 171 : 1597-1601.

- Kanda, M. Hori, K. Kurotsu, T. Miura, S. Yamada, Y. and Saito, Y. 1981. Sulfhydryl group related to the catalytic activity of gramicidin S synthase 1 of *Bacillus brevis*. *J. Biochem.* 90 : 765-771.
- Kang, G. Rajan, D.P. Ramakrishna, B.S. Aucken, H.M. and Dance, D.A. 1996. Melioidosis in India. *Lancet.* 347 : 2565-2566.
- Katz, E. and Demain, A.L. 1977. The peptide antibiotic of Bacillus: Chemistry, biogenesis and possible functions. *Bacteriol. Rev.* 41 : 449-474.
- Kawahara, K. Dejsirilert, S. and Ezaki, T. 1998. Characterization of three capsular polysaccharides produced by *Burkholderia pseudomallei*. *FEMS. Microbiol. Lett.* 169 (2) : 283-287.
- Kellner, R. Jung, G. Homer, T. Zahner, H. Schnell, N. Entian, K.D. and Gotz, F. 1988. Gallidermin: a new lanthionine-containing polypeptide antibiotic. *Eur. J. Biochem.* 177 : 53-59.
- Kiss, G. and Michl, H. 1962. On the venous skin secretion of the orange speckled frog *Bombina variegata*. *Toxicon.* 1 : 33-39.
- Klienkauf, H. and Dohren, H.V. 1985. Peptide antibiotics. *Biotechnol.* 4 : 283-307.
- Klienkauf, H. 1988. Peptide antibiotics,  $\beta$ -lactams, and related compound. *Crit. Rev. Biotechnol.* CRC. 8 : 1-32.
- Kleinkauf, H. and Dohren, H.V. 1990. Nonribosomal biosynthesis of peptide antibiotics. *Eur. J. Biochem.* 192 : 1-15.

- Korbsrisate, S. Suwannasai, N. Leelaporn, A. Ezaki, T. Kawahara, S. and Sarasombath, S. 1999. Cloning and characterization of a nonhemolytic phospholipase C gene from *Burkholderia pseudomallei*. *J. Clin. Microbiol.* 37 (11) : 3742-3745.
- Kugler, M., Loeffler, W., Rapp, C., Kern, A. and Jung, G. 1990. Rhizocticin A, and antifungal phosphono-oligopeptide of *Bacillus subtilis* ATCC 6633 : biological properties. *Arch. Microbiol.* 153 : 276-281.
- Kunakorn, M. and Markhan, R.B. 1995. Clinically practical seminested PCR for *Burkholderia pseudomallei* by enzyme immunoassay with and without solution hybridization. *J. Clin. Microbiol.* 33 : 2131-2135.
- Kunakorn, M. Boonma, P. Khupulsup, K. and Petchclai, B. 1990. Enzyme-linked immunosorbent assay for immunoglobulin M specific antibody for the diagnosis of melioidosis. *J. Clin. Microbiol.* 28 : 1249-1253.
- Lebbadi, M., Valdivia, E., Galvez, A., Martinez-Bueno, M. and Maqueda, M. 1995. Cocultivation of the amoeba *Naegleria fowleri* and the amoebicin-producing strain *Bacillus licheniformis* M-4. *Appl. Environ. Microbiol.* 61 : 1649-1652.
- Lee, A.B. James, Jr. and Hoch, A. 1985. Biology of the Bacilli. Biology of Industrial Microorganism : Biotechnology series. pp. 57-78.
- Lee, S.G. Littau, V. and Lipmann, F. 1975. The relation between sporulation and the induction of antibiotic synthesis and of amino acid uptake in *Bacillus brevis*. *J. Cell. Biol.* 66 : 233-242.

- Leelarasamee, A. 2000. Melioidosis in Southeast Asia. *Acta. Tropica.* 74 : 129-132.
- Leelarasamee, A. Trakulsomboon, S. Kusam, M. and Dejsirilert, S. 1997. Isolation rates of *Burkholderia pseudomallei* among the four regions in Thailand. *Southeast. Asian. J. Trop. Med. Pub. Health.* 28 : 107-113.
- Leelarasamee, A. and Bovornkitti, S. 1989. Melioidosis: review and update. *Rev. Infect. Dis.* 11 : 413-425.
- Leelarasamee, A. Trakulsomboon, S. and Kusum, M. 1996. Geographical distribution and rate of positive culture for *Burkholderia pseudomallei* in Thailand. Skin and deep tissue infection: a revisited. pp. 203-204. Bangkok: Medical Media.
- Leifert, C. Li, H. Chidburee, S. Hampson, S. Workman, S. Sigee, D. Epton, H.A.S. Harbour, A. 1995. Antibiotic production and biocontrol activity by *Bacillus subtilis* CL27 and *Bacillus pumilus* CL45. *J. Appl. Bacteriol.* 78 : 97-108.
- Lennette, E.H. Barows, A. Hausler, W.J.JR. and Shadomy, H.J. 1985. Manual of Clinical Microbiology. 4th ed. ASM. Washington D.C.
- Lew, A.E. and Dermarchelier, P.M. 1994. Detection of *Pseudomonas pseudomallei* by PCR and Hybridization. *J. Clin. Microbiol.* 32 : 1326-1332.
- Losick, R. Youngman, P. and Piggot, P.J. 1986. Genetics of endospore formation in *Bacillus subtilis*. *Annu. Rev. Genet.* 20 : 625-669.

- Martin, P.A.W. Travers, R.S. and Reichelderfer, C.F. 1987. Selective process for efficient isolation of soil *Bacillus* spp. *Appl. Environ. Microbiol.* 53 : 1263-1266.
- Matteo, C.C. Cooney, C.L. and Demain, A.L. 1976. Production of gramicidin S synthetase by *Bacillus brevis* in continuous culture. *J. Gen. Microbiol.* 96 : 415-422.
- Masoud, H. Ho, M. Schollaardt, T. and Perry, M.B. 1997. Characterization of the capsular polysaccharide of *Burkholderia (Pseudomonas) pseudomallei*. *J Bacteriol.* 179 (18) : 5663-5669.
- McCafferty, D.G. Cudic, P. Yu, M.K. Behenna, D.C. and Kruger, R. 1999. Synergy and duality in peptide antibiotic mechanisms. *Curr. Opinion. Chem. Bio.* 3 : 672-680.
- McCormick, J.B. Sexton, D.J. McMurrin, J.G. Carey, E. Hayes, P. and Feldman, R.A. 1975. Human-to-human transmission of *Pseudomonas pseudomallei*. *Ann. Intern. Med.* 83 : 512-513.
- Milner, J.L. Silo-Suh, L. Lee, J.C. He, H. Clardy, J. and Handelsman, J. 1996. Production of Kanosamine by *Bacillus cereus* UW85. *Appl. Environ. Microbiol.* 62 (8) : 3061-3065.
- Modest, B. Marahiel, M.A. Pschorn, W. and Ristow, H. 1984. Peptide antibiotics and sporulation: induction of sporulation in asporogenous and peptide-negative mutants of *Bacillus brevis*. *J. Gen. Microbiol.* 130 (4) : 747-755.

- Mohammed, R. Nathan, S. Embl, N. Ismail, G. 1989. Inhibition of macromolecular synthesis in cultured macrophages by *Pseudomonas pseudomallei* exotoxin. *Microbiol. Immunol.* 33 : 811-820.
- Mollaret, Hh. 1988. "L'Affaire du Jardin des Planets" ou comment la melioidosis fit son apparition en France. *Med. Mal. Infect.* 18 : 643-654.
- Mor, A. and Nicolas, P. 1994. Isolation and structure of novel defensive peptides from frog skin. *Eur. J. Biochem.* 219 : 145-154.
- Munimbazi, C. and Bullerman, L.B. 1997. Inhibition of aflatoxin production of parasiticus NRRL 2999 by *B. pumilus*. *Mycopathologia.* 98 : 163-169.
- Naclerio, G. Ricca, E. Sacco, M. and Felice, M.D. 1993. Antimicrobial activity of a newly identified bacteriocin of *Bacillus cereus*. *Appl. Environ. Microbiol.* 56 (12) : 4313-4316.
- Nakano, M.M. and Zuber, P. 1990. Molecular biology of antibiotic production in *Bacillus*. *Crit. Rev. Biotechnol.* 10 (3) : 223-240.
- Neseman, G. Sawatani, M. Kuriyama, M. Misono, H. and Vertesy, L. 1972. Polyene antibiotic from bacteria. *Nat. Sci.* 59 : 81-82.
- Nigg, C. 1963. Serologic studies on subclinical melioidosis. *J. Immunol.* 91: 18-28.
- Nigg, C. and Johnston, M.M. 1961. Complement fixation test in experimental clinical and subclinical melioidosis. *J. Immunol.* 82 : 159-168.

- Ornstein, L. 1964. Disc electrophoresis II. Method and application to human serum protein. *Ann. N.Y. Acad. Sci.* 121 : 404-427.
- Osteraas, G.R. Hardman, J.M. Bass, J.W. and Wilson, C. 1971. Neonatal melioidosis. *Am. J. Dis. Child.* 122 : 446-448.
- Peypoux, F. Marion, D. MagetDana, R. Ptak, M. Das, P.C. and Michel, G. 1985. Structure of bacillomycin F, a new peptide antibiotic of the iturin group. *Eur. J. Biochem.* 153 : 335-340.
- Phung, L.V. Han, Y. Oka, S. Hotta, H. Smith, M.D. Theeparakun, P. Yabuuchi, E. and Yano, I. 1995. Enzyme-linked immunosorbent assay (ELISA) using a glycolipid antigen for the serodiagnosis of melioidosis. *FEMS. Immun. Med. Microb.* 12 : 259-264.
- Piggot, P.J. and Coote, J.G. Genetic aspects of bacterial endospore formation. 1976. *Bacteriol. Rev.* 40 (4) : 908-962.
- Pitt, T.L. Aucken, H. and Dance, D.A. 1992. Homogeneity of lipopolysaccharide antigens in *Pseudomonas pseudomallei*. *J. Infect.* 25 : 139-146.
- Piuri, M. Sanchez-Rivas, C. and Ruzal, S.M. 1998. A novel antimicrobial activity of a *Paenibacillus polymyxa* strain isolated from regional fermented sausages. *Lett. Appl. Microbiol.* 27 (1) : 9-13.
- Podile, A.R. Dileep Kumar, B.S. and Dube, H.C. 1988. Antibiosis of rhizobacteria against some plant pathogens. *Indian. J. Microbiol.* 1-2 : 108-111.

Priest, F.G. 1989. Products from bacilli, p293-315. In. C.F. Harward (ed.),  
Handbooks of Biotechnology, vol.2, Bacillus. Plenum Press, NewYork.

Proceeding of National Workshop on Melioidosis. 1985. 23-24.

Punyagupta, S. Sirisantnana, T. and Stapatayavong, B. 1989. Melioidosis. 264p.  
Bangkok: Bangkok Medical Publisher.

Rajchanuvong, A. Chaowagul, W. Suputtamongkol, Y. Smith, M.D. Dance, D.A.  
and White, N.J. 1995. A prospective comparison of co-amoxyclav and the  
combination of chloramphenicol, doxycycline and trimethoprim  
sulfamethoxazole for the oral maintenance treatment of melioidosis. *Trans.*  
*R. Soc. Trop. Med. Hyg.* 89 : 546-549.

Robson, L.M. and Chambliss, G.H. 1989. Cellulase of bacterial origin. *Enzyme.*  
*Microbiol. Technol.* 11 : 624-644.

Roger, H.J. Newton, G.G.F. and Abraham, E.P. 1965. Production and purification of  
bacilysin. *Biochem.* 97: 573-586.

Sanford, J.P. 1977. Melioidosis: Forgotten but not gone. *Trans. Am. Clin. Climatol.*  
*Assoc.* 89 : 201-205.

Safiyazov, J.S. Mannanov, R.N. Sattarova, R.K. 1995. The use of bacterial  
antagonist for the control of cotton diseases. *Field. Crops. Research.* 43 :  
51-54.

- Schnell, N. Entan, K.D. Schneider, U. Gotz, F. Zahner, H. Kellner, R. and Jung, G. 1988. Prepeptide sequence of epidermin, a ribosomally synthesized antibiotic with four sulphide-rings. *Nature* (London). 333 : 276-278.
- Sermwan, R.W. Wongratanacheewin, S. Tattawasart, U. and Wongwajana, S. 1994. Construction of a specific DNA probe for diagnosis of melioidosis and use as an epidemiological marker of *Pseudomonas pseudomallei*. *Mol. Cell. Probe*. 8 : 1-9.
- Sexton, M.M. Jones, A.L. Chaowagul, W. and Woods, D.E. 1994. Purification and characterization of a protease from *Pseudomonas pseudomallei*. *Can. J. Microbiol.* 40 : 903-910.
- Sharga, B.M. and Lyon, G.D. 1998. *Bacillus subtilis* BS107 as an antagonist of potato blackleg and soft rot bacteria. *Can. J. Microbiol.* 44 (8) : 777-783.
- Shoji, J. 1978. Recent chemical studies on peptide antibiotic from the genus *Bacillus*. *Adv. Appl. Microbiol.* 24 : 187-214.
- Silva, S. 1992. Control biológico de *Botrytis cinerea* Pers. Ex. Fr. En frambueso (*Rubus Idaeus* L.) mediante bacterias antagonistas. Tesis de Magister en Ciencias, Facultad de Ciencias Agrarias, Universidad Austral de Chile, p. 178.
- Smith, M.D. Wuthiekanun, V. Walsh, A.L. and Pitt, T.L. 1993. Latex agglutination test for identification of *Pseudomonas pseudomallei*. *J. Clin. Pathol.* 46 : 374-375.

- Smith, M.D. Wuthiekanun, V. Walsh, A.L. and White N.J. 1994. Susceptibility of *Pseudomonas pseudomallei* to some newer beta-lactam antibiotics and antibiotic combinations using time-kill studies. *J. Antimicrob. Chemother.* 33 : 145-149.
- Smith, M.D. Wuthiekanun, V. Walsh, A.L. and White, N.J. 1995a. Quantitative recover of *Burkholderia pseudomallei* from soil in Thailand. *Trans. R. Soc. Trop. Med. Hyg.* 89 : 488-490.
- Smith, M.D. Wuthiekanun, V. Walsh, A.L. Teerawattanasook, N. Desakorn, V. Suputtamongkol, Y. Pitt, T.L. and White, N.J. 1995b. Latex agglutination for rapid detection of *Pseudomonas pseudomallei* antigens in urine of patients with melioidosis. *J. Clin. Pathol.* 48 : 174-176.
- Smith, M.D. Angus, B.J. Wuthiekanun, V. and White, N.J. 1997. Arabinose assimilation defines a nonvirulent biotype of *Burkholderia pseudomallei*. *Infect. Immun.* 65 : 4319-4321.
- Songsivilai, S. Oharaku, T. 2000. Multiple replicons constitute the 6.5-megabase genome of *Burkholderia pseudomallei*. *Acta. Trop.* 74 (2-3) : 167-179.
- Sonthayanon, P. Krasao, P. Wuthiekanun, V. and Panyim, S. 2002. A simple method to detect and differentiate *Burkholderia pseudomallei* and *Burkholderia thailandensis* using specific flagellin gene primers. *Mol. Cell. Probe.* 16 : 217-222.

- Sookpranee, M. Boonma, P. Susaengrat, W. Bhuripanyo, K. and Punyagupta, S. 1992. Multicenter prospective randomised trial comparing ceftazidime plus cotrimoxazole with treatment of severe melioidosis. *Antimicrob. Agents. Chemother.* 36 : 159-162.
- Spelhaug, S.R. and Harlender, S.K. 1989. Inhibition of food borne bacterial pathogens by bacteriocins from *Lactobacillus lactis* and *Pediococcus pentosaceus*. *J. Food. Prot.* 52 : 856-862.
- Steinmetz, I. Reganzerowski, A. Brenneke, B. Haussler, S. Simpson, A. and White, N.J. 1999. Rapid identification of *Burkholderia pseudomallei* by latex agglutination based on an exopolysaccharide-specific monoclonal antibody. *J. Clin. Microbiol.* 37 : 225-228.
- Suputtamongkol, Y. Dance, D.A. Chaowagul, W. Wattanagoon, Y. Wuthiekanun, V. and White, N.J. 1991. Amoxicillin clavulanic acid treatment of melioidosis. *Trans. R. Soc. Trop. Med. Hyg.* 85 : 672-675.
- Suputtamongkol, Y. Hall, A.J. Dance, D.A. Chaowagul, W. Rajchanuvong, A. Smith, M.D. and White, N.J. 1994a. The epidemiology of melioidosis in Ubon Ratchathani. northeast Thailand. *Intern. J. Epidemiol.* 23 : 1082-1090.
- Suputtamongkol, Y. Rajchanuwong, A. Chaowagul, W. Dance, D.A. Smith, M.D. Wuthiekanun, V. Walsh, A.L. Pukrittayakamee, S. and White, N.J. 1994b. Ceftazidime vs. amoxicillin/clavulanate in the treatment of severe melioidosis. *Clin. Infect. Dis.* 19: 846-853.

- Thevissen, K. Osborn, R.W. Acland, P. and Broekaert, W.F. 1997. Specific, high affinity binding sites for an antifungal plant defensin on *Neurospora crassa* hyphae and microsomal membrane. *J. Biol. Chem.* 272 : 32176-32181.
- Tomino, S. Yamada, M. Itoh, H. and Kurahashi, K. 1967. Cell-free synthesis of gramicidin S. *Biochemistry.* 6 : 2552-2560.
- Tong, S. Yang, S. Lu, Z. and He, W. 1996. Laboratory investigation of ecological factors influencing the environmental presence of *Burkholderia pseudomallei*. *Microbiol. Immunol.* 40 : 451 -453.
- Trakulsomboon, S. Vuddhakul, V. Tharavichitkul, P. Na-Gnam, N. Suputtamongkol, Y. and Thamlikitkul, V. 1999. Epidemiology of arabinose assimilation in *Burkholderia pseudomallei* isolated from patients and soil in Thailand. *Southeast. Asian. J. Trop. Med. Pub. Health.* 30 (4) : 756-759.
- Vandamme, E.J. 1984. Antibiotic search and production. *Biotechnology of industrial Antibiotic.* pp.3-31.
- Vater, J. 1989. Lipopeptides, an interesting class of microbial secondary metabolites, p. 27-38. In. U.P. Schlunegger (ed.), *Biologically Active Molecules.* Springer-Verlag, Berlin.
- Vendors, N.A. Chow, D. and Liong, E. 1988. Experimental vaccine against *Pseudomonas pseudomallei* infections in captive cetaceans. *Dis. Aqua. Organ.* 5 : 157-161.

- Vining, L.C. 1990. Functions of secondary metabolites. *Annu. Rev. Microbiol.* 44 : 395-427.
- Vuddhakul, V. Tharavichitkul, P. Na-Gnam, N. Jitsurong, S. Kunthawa, B. Noimay, P. Binla, A. and Thamlikitkul, V. 1999. Epidemiology of *Burkholderia pseudomallei* in Thailand. *Am. J. Trop. Med. Hyg.* 60 : 458-461.
- Wajanarogana, S. Sonthayanon, P. Wuthiekanun, V. Panyim, S. Simpson, A.J. and Tungpradabkul, S. 1999. Stable marker on flagellin gene sequences related to arabinose non-assimilating pathogenic *Burkholderia pseudomallei*. *Microbiol. Immunol.* 43 (11) : 995-1001.
- Walker, R. Powell, A.A. and Seddon, B. 1998. Bacillus isolates from the spermosphere of peas and dwarf French beans with antifungal activity against *Botrytis cineria* and *Pyhtium* species. *J. Appl. Microbiol.* 84 : 791-801.
- Walsh, A.L. Smith, M.D. Wuthiekanun, V. Suputtamongkol, Y. Desakorn, V. Chaowagul, W. and White, N.J. 1994. Immunofluorescence microscopy for the rapid diagnosis of melioidosis. *J. Clin. Pathol.* 47 : 377-379.
- Weber, D.R. Douglass, L.E. Brundage, W.G. Stallkamp, T.C. 1969. Acute varieties of melioidosis occurring in U.S. soldiers in Vietnam. *Am. J. Med.* 46 : 234-244.
- Willey, J.M. Santamaria, R. Guijarro, J. Geistlich, M. and Losick, R. 1991. Extracellular complementation of a developmental mutation implicates a

small sporulation protein in aerial mycelium formation by *Streptomyces coelicolor*. *Cell*. 65 : 641-650.

- Winstanley, C. Hales, B.A. Corkill, J.E. Gallagher, M.J. and Hart, C.A. 1998. Flagellin gene variation between clinical and environmental isolates of *Burkholderia pseudomallei* contrasts with the invariance among clinical isolates. *J. Med. Microbiol.* 47 : 689-694.
- Wolin, V. 1979. Physical agents, bactericidal substances and chemotherapeutic drugs. *Microbiol.* 21: 121-156.
- Wuthiekanun, V. Dance, D.A. Wattanagoon, Y. Supputtamongkol, Y. Chaowagul, W. and White, N.J. 1990. The use of selective media for the isolation of *Pseudomonas pseudomallei* in clinical practice. *J. Med. Microbiol.* 33 : 121-126.
- Wuthiekanun, V. Smith, M.D. Dance, D.A. and White, N.J. 1995. Isolation of *Pseudomonas pseudomallei* from soil in north-eastern Thailand. *Trans. R. Soc. Trop. Med. Hyg.* 89 : 41-43.
- Wuthiekanun, V. Smith, M.D. Dance, D.A. Walsh, A.L. Pitt, T.L. and White, N.J. 1996. Biochemical characteristics of clinical and environmental isolates of *Burkholderia pseudomallei*. *J. Med. Micro.* 45: 408-412.
- Yabuuchi, E. and Arakawa, M. 1993. *Burkholderia pseudomallei* and melioidosis: be aware in temperate area. *Microbiol. Immunol.* 37 : 823-836.

- Yabuuchi, E. Wang, L. Arakawa, M. and Yano, I. 1993. Survival of *Pseudomonas pseudomallei* strains at 5 degrees C. *Kansenshogaku Zasshi. J. Jpn. Assoc. Inf. Dis.* 67 : 331-335.
- Yang, S. Tong, S. Lu, Z. 1995. Geographical distribution of *Pseudomonas pseudomallei* in China. *Sotheast. Asian. J. Trop. Med. Public. Health.* 26 : 636-638.
- Yu, G.Y. Sinclair, J.B. Hartman, G.L. and Bertagnoli, B.L. 2002. Production of iturin A by *Bacillus amyloliquefaciens* suppressing *Rhizoctonia solani*. *Soil. Biol. Biochem.* 34 (7) : 955-963.
- Zuber, P. Nakano, M.M. Mararhiel, M.A. 1993. Peptide antibiotics, p. 897-916. In AL. Sonenshein, J.A. Hoch and R. Losick (ed.), *Bacillus subtilis* and other Gram-positive Bacteria. ASM.