

REFERENCES

Abraham EG, Jacobs-Lorena M. Mosquito midgut barriers to malaria parasite development. *Insect Biochem Mol Biol* 2004; 34: 667-71.

Adak T, Kaur S, Singh OP. Comparative susceptibility of different members of the *Anopheles culicifacies* complex to *Plasmodium vivax*. *Trans R Soc Trop Med Hyg* 1999; 93: 573-7.

Ahmad R, Ismail A, Saat Z, Lim LH. Detection of dengue virus from field *Aedes aegypti* and *Aedes albopictus* adults and larvae. *Southeast Asian J Trop Med Public Health* 1997; 28: 138-42.

Alam MT, Das MK, Ansari MA, Sharma YD. Molecular identification of *Anopheles (Cellia) sundaicus* from the Andaman and Nicobar islands of India. *Acta Trop* 2006; 97: 10-8.

Apiwathnasorn C, Prommongkol S, Samung Y, Limrat D, Rojruthai B. Potential for *Anopheles campestris* (Diptera: Culicidae) to transmit malaria parasites in Pa Rai subdistrict (Aranyaprathet, Sa Kaeo province), Thailand. *J Med Entomol* 2002; 39: 583-86.

Baimai V. Population cytogenetics of the malaria vector *Anopheles leucophyrus* group. *Southeast Asian J Trop Med Public Health* 1988; 19: 667-80.

Baimai,V, Green CA. Cytogenetics of natural populations of the malaria vectors *Anopheles dirus* and *An. maculatus* complexes in Thailand. In: Proceedings of Mahidol University Seminar on Malaria Vaccine Development, Bangkok (eds. A. Sabchareon, S. Supavej, P. Attanath and M. Ho). 1988; pp. 45-51.

Baimai V, Andre RG, Harrison BA, Kijchalao U, Panthusiri L. Crossing and chromosomal evidence for two additional sibling species within the taxon *Anopheles dirus* Peyton and Harrison (Diptera: Culicidae) in Thailand. Proc Entomol Soc Wash 1987; 89: 157-66.

Baimai V, Harbach RE, Kijchalao U. Cytogenetic evidence for a fifth species within the taxon *Anopheles dirus* in Thailand. J Am Mosq Control Assoc 1988a; 4: 333-8.

Baimai V, Kijchalao U, Rattanarithikul R. Metaphase karyotypes of *Anopheles* of Thailand and Southeast Asia: V. Myzomyia series, Subgenus *Cellia* (Diptera: Culicidae). J Am Mosq Control Assoc 1996a; 12: 97-105.

Baimai V, Kijchalao U, Rattanarithikul R. Metaphase karyotypes of *Anopheles* of Thailand and Southeast Asia: VI. The Pyretophorus and the Neomyzomyia series, subgenus *Cellia* (Diptera: Culicidae). J Am Mosq Control Assoc 1996b; 12: 669-75.

Baimai V, Kijchalao U, Rattanarithikul R, Green CA. Metaphase karyotypes of *Anopheles* of Thailand and Southeast Asia: II. Maculatus group, Neocellia series, subgenus *Cellia*. Mosq Syst 1993; 5: 116-23.

Baimai V, Kijchalao U, Sawadwongporn P, Green CA. Geographic distribution and biting behaviour of four species of the *An. dirus* complex (Diptera: Culicidae) in Thailand. Southeast Asian J Trop Med Publ Hlth 1988b; 19: 151-61.

Baimai V, Rattanaarithikul R, Kijchalao U. Metaphase karyotypes of *Anopheles* of Thailand and Southeast Asia: IV. The barbirostris and umbrosus species groups, subgenus *Anopheles* (Diptera: Culicidae). J Am Mosq Control Assoc 1995; 11: 323-8.

Baimai V, Thu MM, Paing M, Maheswary NP. Distribution and chromosomal polymorphism of the malaria vector *Anopheles dirus* species D. Southeast Asian J Trop Med Public Health 1988c; 19: 661-5.

Baker EZ, Beier JC, Meek SR, Wirtz RA. Detection and quantification of *Plasmodium falciparum* and *P. vivax* infections in Thai-Kampuchean *Anopheles* (Diptera: Culicidae) by enzyme-linked immunosorbent assay. J Med Entomol 1987; 24: 536-41.

Baker RH, French WL, Kitzmiller JB. Induced copulation in *Anopheles* mosquitoes. Mosq News 1962; 22: 16-7.

Bangs MJ, Soelarto T, Barodji, Wicaksana BP, Boewono DT. Colonization of *Anopheles maculatus* from central Java, Indonesia. J Am Mosq Control Assoc 2002; 18: 359-63.

Baqar S, Hayes CG, Murphy JR, Watts DM. Vertical transmission of West Nile virus by *Culex* and *Aedes* species mosquitoes. Am J Trop Med Hyg 1993; 48: 757-62.

Bosio CF, Thomas RE, Grimstad PR, Rai KS. Variation in the efficiency of vertical transmission of dengue-1 virus by strains of *Aedes albopictus* (Diptera: Culicidae). J Med Entomol 1992; 29: 985-9.

Chabpunnarat S. Cytogenetic study of the *Anopheles maculatus* complex. M.Sc. Thesis. Bangkok. Mahidol University, 1988.

Chakravarty SK, Sarkar JK, Chakravarty MS, Mukherjee MK, Mukherjee KK, Das BC, Hati AK. The first epidemic of Japanese encephalitis studied in India--virological studies. *Indian J Med Res* 1975; 63: 77-82.

Chomcharn Y. The study of *Plasmodium falciparum* in Thailand with respect to the mosquito vector, *Anopheles balabacensis* baisas and the effect of primaquine on the gametocytes and sporogony. Ph.D. THESIS (Trop. Med.). 1979; pp. 46-8.

Chomcharn Y, Surathin K, Bunnag D, Sucharit S, Harinasuta T. Effect of a single dose of primaquine on a Thai strain of *Plasmodium falciparum*. *Southeast Asian J Trop Med Public Health* 1980; 11: 408-12.

Choochote W. Evidence to support karyotypic variation of the mosquito, *Anopheles peditaeniatus* in Thailand. *J Insect Sci* 2011; 11: 10.

Choochote W, Jitpakdi A, Rongsriyam Y, Komalamisra N, Pitasawat B, Palakul K. Isoenzyme study and hybridization of two forms of *Anopheles sinensis* (Diptera: Culicidae) in northern Thailand. *Southeast Asian J Trop Med Public Health* 1998; 29: 841-8.

Choochote W, Jitpakdi A, Sukontason KL, Chaithong U, Wongkamchai S, Pitasawat B, Jariyapan N, Suntaravitun T, Rattanachanpichai E, Sukontason K, Leemingsawat S, Rongsriyam Y. Intraspecific hybridization of two karyotypic forms of *Anopheles vagus* (Diptera: Culicidae) and the related egg surface topography. *Southeast Asian J Trop Med Public Health* 2002a; 33 (Suppl 3): 29-35.

Choochote W, Leemingsawat S, Sucharit S, Kunnaphuti J, Wongkamchai S, Sukontason KL, Jitpakdi A. *Aedes albopictus*, A potential vector of nocturnally subperiodic *Wuchereria bancrofti* and Dengue type 2 virus. Southeast Asian J Trop Med Public Health (Research note) 2001; 32: 621-4.

Choochote W, Rongsriyam Y, Leemingsawat S, Jitpakdi A, Komalamisara N, Surathin K, et al. Intraspecific hybridization of *Anopheles minimus* (Diptera: Culicidae) species A and C in Thailand. Southeast Asian J Trop Med Public Health 2002b; 33: 23-8.

Choochote W, Sucharit S, Abeywickreme W. Experiments in crossing two strains of *Anopheles barbirostris* Van der Wulp 1884 (Diptera: Culicidae) in Thailand. Southeast Asian J Trop Med Public Health 1983; 14: 204-9.

Chowdaiah BN, Avirachan TT, Seetharam PL. Chromosome Studies of Oriental Anophelines. 1. The salivary gland chromosome of *Anopheles barbirostris*. Experientia 1970; 26: 315.

Coleman RE, Sithiprasasna R, Kankaew P, Kiaattiut C, Ratanawong S, Khuntirat B, Sattabongkot J. Naturally occurring mixed infection of *Plasmodium vivax* VK210 and *P. vivax* VK247 in *Anopheles* mosquitoes (Diptera: Culicidae) in western Thailand. J Med Entomol 2002; 39: 556-9.

Damrongphol P, Baimai V. Scanning electron microscopic observations and differentiation of eggs of the *Anopheles dirus* complex. J Am Mosq Control Assoc 1989; 5: 563-8.

Da Silva AN, Dos Santos CC, Lacerda RN, Santa Rosa EP, De Souza RT, Galiza D, Sucupira I, Conn JE, Póvoa MM. Laboratory colonization of *Anopheles aquasalis* (Diptera: Culicidae) in Belém, Pará, Brazil. J Med Entomol 2006; 43: 107-9.

Division of Malaria. Annual Report, Department of Communicable Disease Control, Ministry of Public Health, 2010.

Dhanda V, Mourya DT, Mishra AC, Ilkal MA, Pant U, George PJ, Bhat HR. Japanese encephalitis virus infection in mosquitoes reared from field-collected immatures and in wild-caught males. Am J Trop Med Hyg 1989; 41: 32-6.

Esah S, Scanlon JE. Notes on a Laboratory Colony of *Anopheles balabacensis* Biasas, Mosq News 1936; 26: 509-11.

Frances SP, Klein TA, Wirtz RA, Eamsila C, Pilakasiri C, Linthicum KJ. *Plasmodium falciparum* and *P. vivax* circumsporozoite proteins in anophelines (Diptera: Culicidae) collected in eastern Thailand. J Med Entomol 1996; 33: 990-1.

Frizzi G, Rinaldi A, Bianchi L. Genetic studies on mechanisms influencing the susceptibility of anopheline mosquitoes to plasmodial infection. Mosquito News 1975; 35: 505-8.

George S, George JP, Rao JA. Isolation of Japanese encephalitis and West Nile viruses from mosquitoes collected in Kolar district of Karnataka state during 1977-79, Indian. J Med Res 1987; 85: 235-8.

Gerberg EJ, Barnard DR, Ward RA. Procedures for laboratory rearing of specific mosquitoes, In: Manual for mosquito rearing and experimental techniques, Louisiana: Allen Press 1994, pp. 41-5.

Gingrich JB, Weatherhead A, Sattabongkot J, Pilakasiri C, Wirtz RA. Hyperendemic malaria in a Thai village: dependence of year-round transmission on focal and seasonally circumscribed mosquito (Diptera: Culicidae) habitats. J Med Entomol 1990; 27: 1016-26.

Gould DJ, Esah S, Pranith U. Relation of *Anopheles aconitus* to malaria transmission in the central plain of Thailand. Trans R Soc Trop Med Hyg 1967; 61: 441-2.

Green CA, Baimai V. Polytene chromosomes and their use in species studies of malaria vectors as exemplified by *Anopheles maculatus* complex. in Genetics: New Frontiers. Proceeding XV International Congress of Genestics (eds VL Chopra, BC Joshi, RP Sharma and HC Bansal), Oxford and IBH Publ Comp New Delhi, 1984: 89-97.

Green CA, Baimai V, Harrison BA, Andre RG. Cytogenetic evidence for a complex of species within the taxon *Anopheles maculatus* (Diptera: Culicidae). Biol J Linn Soc 1985; 24: 321-8.

Green CA, Gass RF, Munstermann LE, Baimai V. Population-genetic evidence for two species in *Anopheles minimus* in Thailand. Med Vet Entomol 1990; 4: 25-34.

Green CA, Munstermann LE, Tan SG, Panyim S, Baimai V. Population genetic evidence for species A, B, C and D of the *Anopheles dirus* complex in Thailand and enzyme electromorphs for their identification. Med Vet Entomol 1992a; 6: 29-36.

Green CA, Rattanaarithikul R, Charoensub A. Population genetic confirmation of species status of the malaria vectors *Anopheles willmori* and *An. pseudowillmori* in Thailand and chromosome phylogeny of the Maculatus group of mosquitoes. Med Vet Entomol 1992b; 6: 335-41.

Green CA, Rattanaarithikul R, Pongparit S, Sawadwongporn P, Baimai V. A newly-recognized vector of human malarial parasites in the Oriental region, *Anopheles (Cellia) pseudowillmori* (Theobald, 1910). Trans R Soc Trop Med Hyg 1991; 85: 35-6.

Guinovart C, Navia MM, Tanner M, et al. Malaria: burden of disease. Curr Mol Med 2006; 6: 137-40.

Harbach RE. The classification of genus *Anopheles* (Diptera: Culicidae): a working hypothesis of phylogenetic relationships. Bull Entomol Res 2004; 94: 537-53.

Harbach RE, Gingrich JB, Pang LW. Some entomological observations and malaria transmission in a remote village in northwestern Thailand. J Am Mosq Control Assoc 1987; 3: 296-301.

Harrison BA. Medical entomology studies - XIII. The Myzomyia series of *Anopheles (Cellia)* in Thailand, with emphasis of intra-interspecific variations (Diptera: Culicidae). Contrib Am Entomol Inst 1980; 17: 1-195.

Harrison BA, Scanlon JE. Medical entomology studies. II. The subgenus *Anopheles* in Thailand (Diptera: Culicidae). Contrib Am Entomol Inst 1975; 12: 78.

Iwaki M, Choochote W. Scanning electron microscopy of eggs of *Mansonia uniformis*, *Ma. indiana*, *Ma. annulifera*, and *Ma. annulata* (Diptera: Culicidae). J Med Entomol 1991; 28: 334-9.

Iwaki M, Choochote W, Rongsriyam Y. Scanning electron microscopy of eggs of *Mansonia bonneae* (Diptera: Culicidae). J Med Entomol 1992; 29: 1039-41.

Iwaki M, Rongsriyam Y, Siriprasert V, Choochote W. Scanning electron microscopy of the egg of *Mansonia dives* (Diptera: Culicidae). J Med Entomol 1994; 31: 931-3.

Jariyapan N, Choochote W, Junkum A, Jitpakdi A, Komalamisra N, Bates PA, Crampton JM. Sequence analyses of three nuclear ribosomal loci and a mitochondrial locus in cytologically different forms of Thai *Anopheles aconitus* mosquitoes. Southeast Asian J Trop Med Public Health 2005; 36: 1162-73.

Jitpakdi A, Choochote W, Vanichthanakom P, Tippawangkosol P, Pitasawat B, Naboonme S. Scanning electron microscopy of eggs of *Anopheles barbirostris* and *An. donaldi* (Diptera: Culicidae). J Trop Med Parasitol 1998; 21: 43-6.

Jongwutiwes S, Putaporntip C, Iwasaki T, Sata T, Kanbara H. Naturally acquired *Plasmodium knowlesi* malaria in human, Thailand. Emerg Infect Dis 2004; 10: 2211-3.

Junkum A, Jitpakdi A, Komalamisra N, Jariyapan N, Somboon P, Bates PA, Choochote W. Comparative morphometry and morphology of *Anopheles aconitus* Form B and C eggs under scanning electron microscope. Rev Inst Med Trop S Paulo 2004; 46: 257-62.

Junkum A, Jitpakdi A, Jariyapan N, Komalamisra N, Somboon P, Suwonkerd W, Saejeng A, Bates PA, Choochote W. Susceptibility of two karyotypic forms of *Anopheles aconitus* (Diptera: Culicidae) to *Plasmodium falciparum* and *P. vivax*. Rev Inst Med Trop S Paulo 2005a; 47: 333-8.

Junkum A, Komalamisra N, Jitpakdi A, Jariyapan N, Min GS, Park MH, Cho KH, Somboon P, Bates PA, Choochote W. Evidence to support two conspecific cytological races of *Anopheles aconitus* in Thailand. J Vector Ecol 2005b; 30: 213-24.

Kanda T. Improved techniques for the preparation of polytene chromosome for some anopheline mosquitoes. Mosq News 1979; 39: 568-74.

Kanda T, Takai K, Chiang GL, Cheong WH, Sucharit S. Hybridization and some biological facts of seven strains of the *Anopheles leucosphyrus* group (Reid, 1968). Jpn J Sanit Zool 1981; 32: 321-9.

Kim SJ, Choochote W, Jitpakdi A, Junkum A, Park SJ, Min GS. Establishment of a self-mating mosquito colony of *Anopheles sinensis* from Korea. Korean J Entomol 2003; 33: 267-71.

Kimura M. A simple method for estimating evolutionary rates of base substitution through comparative studies of nucleotide sequences. J Mol Evol 1980; 16: 111-20.

Khin MM, Than KA. Transovarial transmission of dengue-2 virus by *Aedes aegypti* in nature. Am J Trop Med Hyg 1983; 32: 590-4.

Kitthawee S, Edman JD. Adult body size and biting activity of field populations of *Anopheles dirus* (Diptera: Culicidae). Southeast Asian J Trop Med Public Health 1995; 26: 582-5.

Komalamisra N. Genetic variability in isoenzymes of *Anopheles minimus* group from various localities in Thailand. Jpn J Sanit Zool 1989; 41: 69-80.

- Limrat D, Rojruthai B, Apiwathnasorn C, Samung Y, Prommongkol S. *Anopheles barbirostris/campestris* as a probable vector of malaria in Aranyaprathet, Sa Kaeo province. Southeast Asian J Trop Med Public Health 2001; 32: 739-44.
- Linton YM, Dufour I, Howard TM, Ruiz LF, Duc Manh N, Ho Dinh T, Sochanta T, Coosemans M, Harbach RE. *Anopheles (Cellia) epiroticus* (Diptera: Culicidae), a new malaria vector species in the Southeast Asian *sundaicus* Complex. Bull Entomol Res 2005; 95: 329-39.
- Marrelli MT, Honório NA, Flores-Mendoza C, Lourenço-de-Oliveira R, Marinotti O, Kloetzel JK. Comparative susceptibility of two members of the *Anopheles oswaldoi* complex, *An. oswaldoi* and *An. konderi*, to infection by *Plasmodium vivax*. Trans R Soc Trop Med Hyg 1999; 93: 381-4.
- Min GS, Choochote W, Jitpakdi A, Kim SJ, Kim W, Jung J, Junkum A. Intraspecific hybridization of *Anopheles sinensis* (Diptera: Culicidae) strains from Thailand and Korea. Mol Cells 2002; 14: 198-204.
- Mitchel CJ, Miller BR. Vertical transmission of dengue viruses by strains of *Aedes albopictus* recently introduced into Brazil. J Am Mosq Control Assoc 1990; 6: 251-3.
- Mitchell SE, Narang SK, Cockburn AF, Seawright JA, Goldenthal M. Mitochondrial and ribosomal DNA variation among members of the *Anopheles quadrimaculatus* (Diptera: Culicidae) species complex. Genome 1992; 35: 939-50.
- Morlais I, Mori A, Schneider JR, Severson DW. A targeted approach to the identification of candidate genes determining susceptibility to *Plasmodium gallinaceum* in *Aedes aegypti*. Mol Genet Genomics 2003; 269: 753-64.

Mourya DT, Ilkal MA, Mishra AC, Jacob PG, Pant U, Ramanujam S, Mavale MS, Bhat HR, Dhanda V. Isolation of Japanese encephalitis virus from mosquitoes collected in Karnataka state, India from 1985 to 1987. *Trans R Soc Trop Med Hyg* 1989; 83: 550-2.

Ow Yang CK, Sta Maria FL, Wharton RH. Maintenance of a laboratory colony of *Anopheles maculatus* by artificial mating. *Mosq News* 1963; 23: 34-5.

Park SJ, Choochote W, Jitpakdi A, Junkum A, Kim SJ, Jariyapan N, Park JW, Min GS. Evidence for a conspecific relationship between two morphologically and cytologically different Forms of Korean *Anopheles pullus* mosquito. *Mol Cells* 2003; 16: 354-60.

Peyton EL, Harrison BA. *Anopheles (Cellia) dirus*, a new species of the Leucosphyrus Group from Thailand (Diptera: Culicidae). *Mosquito Systematics* 1979; 11: 40-52.

Raghavendra K, Vasantha K, Subbarao SK, Pillai MKK, Sharma VP. Resistance in *Anopheles culicifacies* sibling species B and C to malathion in Andhra Pradesh and Gujarat states, India. *J Am Mosq Contr Assoc* 1991; 7: 255-9.

Rattanarithikul R, Harrison BA, Harbach RE, Panthusiri P, Coleman RE. Illustrated keys to the mosquitoes of Thailand IV. *Anopheles*. *Southeast Asian J Trop Med Public Health* 2006; 37 (Suppl 2): 1-128.

Rattanarithikul R, Konishi E, Linthicum KJ. Detection of *Plasmodium vivax* and *Plasmodium falciparum* circumsporozoite antigen in anopheline mosquitoes collected in southern Thailand. *Am J Trop Med Hyg* 1996; 54: 114-21.

Reid JA. A preliminary note on Malayan forms of *Anopheles barbirostris*. *J Malaya Brch Br Med Assoc* 1942; 5: 71.

Reid JA. Anopheline mosquitoes of Malaya and Borneo. Stud Inst Med Res Malaya 1968; 31: 1-520.

Reid JA. The *Anopheles barbirostris* group (Diptera: Culicidae). Bull Entomol Res 1962; 53: 1.

Rodriguez MH, Chavez B, Orozco A, Loyola EG, Martinez-Palomo A. Scanning electron microscopic observations of *Anopheles albimanus* (Diptera: Culicidae) eggs. J Med Entomol 1992; 29: 400-6.

Rongnoparut P, Sirichotpakorn N, Rattanarithikul R, Yaicharoen S, Linthicum KJ. Estimates of gene flow among *Anopheles maculatus* populations in Thailand using microsatellite analysis. Am J Trop Med Hyg 1999; 60: 508-15.

Rongnoparut P, Yaicharoen S, Sirichotpakorn N, Rattanarithikul R, Lanzaro GC, Linthicum KJ. Microsatellite polymorphism in *Anopheles maculatus*, a malaria vector in Thailand. Am J Trop Med Hyg 1996; 55: 589-94.

Rongsriyam Y, Jitpakdi A, Choochote W, Asavanich A, Tookyang B, Budsong K. Light and scanning electron microscopy of the eggs of *Anopheles sinensis* (Diptera: Culicidae). Mosq-Borne Dis Bull 1996; 13: 1-7.

Ronsen L, Lein JC, Lu LC. A longitudinal study of the prevalence of Japanese encephalitis virus in adult and larval *Culex tritaeniorhynchus* mosquitoes in northern Taiwan. Am J Trop Med Hyg 1989; 40: 557-60.

Ronsen L, Shroyer DA, Tesh RB, Freier JE, Lien JC. Transovarial transmission of dengue viruses by mosquitoes: *Aedes albopictus* and *Aedes aegypti*. Am J Trop Med Hyg 1983; 32: 1108-19.

Rosenberg R. Inability of *Plasmodium knowlesi* sporozoites to invade *Anopheles freeborni* salivary glands. Am J Trop Med Hyg 1985; 24: 687-91.

Rosenberg R, Andre RG, Somchit L. Highly efficient dry season transmission of malaria in Thailand. *Trans R Soc Trop Med Hyg* 1990; 84: 22-8.

Rosenberg R, Wirtz RA, Lanar DE, Sattabongkot J, Hall T, Waters AP, Prasittisuk C. Circumsporozoite protein heterogeneity in the human malaria parasite *Plasmodium vivax*. *Science* 1989; 245: 973-6.

Saeung A, Baimai V, Otsuka Y, Rattanaarithikul R, Somboon P, Junkum A, Tuetun B, Takaoka H, Choochote W. Molecular and cytogenetic evidence of three sibling species of the *Anopheles barbirostris* Form A (Diptera: Culicidae) in Thailand. *Parasitol Res* 2008; 102: 499-507.

Saeung A, Otsuka Y, Baimai V, Somboon P, Pitasawat B, Tuetun B, Junkum A, Takaoka H, Choochote W. Cytogenetic and molecular evidence for two species in the *Anopheles barbirostris* complex (Diptera: Culicidae) in Thailand. *Parasitol Res* 2007; 101: 1337-44.

Saitou N, Nei M. The neighbor-joining method: A new method for reconstructing phylogenetic trees. *Mol Biol Evol* 1987; 4: 406-25.

Sallum MAM, Peyton EL, Harrison BA, Wilkerson RC. Revision of the *Leucosphyrus* group of *Anopheles* (*Cellia*) (Diptera, Culicidae). *Rev Bras Entomol* 2005a; 49 (Suppl. 1): 1-152.

Sallum MAM, Peyton EL, Wilkerson RC. Six new species of the *Anopheles leucosphyrus* group, reinterpretation of *An. elegans* and vector implications. *Med Vet Entomol* 2005b; 19: 158-99.

Sasa M. *Human filariasis. A global survey of epidemiology and control*, University of Tokyo Press, Tokyo 1976, 819 pp.

Sattabongkot J, Tsuboi T, Zollner GE, Sirichaisinthop J, Cui L. *Plasmodium vivax* transmission: chances for control?. Trends Parasitol 2004; 20: 192-8.

Sawadipanich Y, Baimai V, Harrison BA. *Anopheles dirus* species E: Chromosomal and crossing evidence for another member of the *dirus* complex. J Am Mosq Control Assoc 1990; 6: 477-81.

Scanlon JE, Peyton EL, Gould DJ. An annotated checklist of the *Anopheles* of Thailand. Thai Natl Sci Pap Fauna Ser 1968; 2: 1-35.

Shahabuddin M, Kaidoh T, Aikawa M, Kaslow DC. *Plasmodium gallinaceum*: mosquito peritrophic matrix and the parasite-vector compatibility. Exp Parasitol 1995; 81: 386-93.

Sharpe RG, Harbach RE, Butlin RK. Molecular variation and phylogeny of members of the Minimus group of *Anopheles* subgenus *Cellia* (Diptera: Culicidae). Syst Entomol 2000; 25: 263-72.

Sharpe RG, Hims MM, Harbach RE, Butlin RK. PCR-based methods for identification of species of the *Anopheles minimus* group: allele-specific amplification and single-strand conformation polymorphism. Med Vet Entomol 1999; 13: 265-73.

Singh B, Kim Sung L, Matusop A, Radhakrishnan A, Shamsul SS, Cox-Singh J, Thomas A, Conway DJ. A large focus of naturally acquired *Plasmodium knowlesi* infections in human beings. Lancet 2004; 363: 1017-24.

Sluiters JF, Visser PE, van der Kaay HJ. The establishment of *Plasmodium berghei* in mosquitoes of a refractory and a susceptible line of *Anopheles atroparvus*. Z Parasitenkd 1986; 72: 313-22.

Somboon P, Suwonkerd W, Lines JD. Susceptibility of Thai zoophilic anophelines and suspected malaria vectors to local strains of human malaria parasites. *Southeast Asian J Trop Med Public Health* 1994; 25: 766-70.

Somboon P, Thongwat D, Choochote W, Walton C, Takagi M. Crossing experiments of *Anopheles minimus* species C and putative species E. *J Am Mosq Control Assoc* 2005; 21: 5-9.

Somboon P, Walton C, Sharpe RG, Higa Y, Tuno N, Tsuda Y, Takagi M. Evidence for a new sibling species of *Anopheles minimus* from the Ryukyu Archipelago, Japan. *J Am Mosq Control Assoc* 2001; 17: 98-113.

Subbarao SK. Anopheline species complexes in South-East Asia. WHO Tech Pub Ser 1998; 18: 1-82.

Subbarao SK, Vasantha K, Sharma VP. Response of *Anopheles culicifacies* sibling species A and B to DDT and HCH in India: implications in malaria control. *Med Vet Entomol* 1988; 2: 219-23.

Sucharit S, Choochote W. Comparative studies on the Morphometry of male genitalia and frequency of clasper movements during induced copulation of *Anopheles balabacensis* (Perlis Form) and *Anopheles dirus* (Bangkok colony strain). 1983; 15: 14-8.

Sucharit S, Harrison BA, Rattanaarithikul R. A dark unspotted phenotype of *Anopheles* (*Cellia*) *maculatus* Theobald, with notes on its inheritance (Diptera: Culicidae). *Mosq Syst* 1979; 11: 163-71.

Sucharit S, Komalamisra N, Leemingsawat S, Apiwathanasorn C, Thongrunkiat S. Population genetic studies on the *Anopheles minimus* species complex in Thailand. *Southeast Asian J Trop Med Public Health* 1988; 19: 717-23.

Sucharit S, Surathinth K, Chaisri U, Thongrunkiat S, Samang Y. New evidence for the differed characters of *Anopheles minimus* species complex. Mosq Borne Dis Bull 1995; 12: 1-6.

Sukowati S, Baimai V. A standard cytogenetic map for *Anopheles sundaicus* (Diptera: Culicidae) and evidence for chromosomal differentiation in populations from Thailand and Indonesia. Genome 1996; 39: 165-73.

Sukowati S, Baimai V, Harun S, Dasuki Y, Andris H, Efriwati M. Isozyme evidence for three sibling species in the *Anopheles sundaicus* complex from Indonesia. Med Vet Entomol 1999; 13: 408-14.

Sutherland CJ, Tanomsing N, Nolder D, Oguike M, Jennison C, Pukrittayakamee S, Dolecek C, Hien TT, do Rosário VE, Arez AP, Pinto J, Michon P, Escalante AA, Nosten F, Burke M, Lee R, Blaze M, Otto TD, Barnwell JW, Pain A, Williams J, White NJ, Day NP, Snounou G, Lockhart PJ, Chiodini PL, Imwong M, Polley SD. Two nonrecombining sympatric forms of the human malaria parasite *Plasmodium ovale* occur globally. J Infect Dis 2010; 201: 1544-50.

Suwannamit S, Baimai V, Otsuka Y, Saeung A, Thongsahuan S, Tuetun B, Apiwathnasorn C, Jariyapan N, Somboon P, Takaoka H, Choochote W. Cytogenetic and molecular evidence for an additional new species within the taxon *Anopheles barbirostris* (Diptera: Culicidae) in Thailand. Parasitol Res 2009; 104: 905-18.

Takai K, Kanda T, Ogawa KI, Sucharit S. Morphological differentiation in *Anopheles maculatus* of Thailand accompanied with genetical divergence assessed by hybridization. J Am Mosq Control Assoc 1987; 3: 148-53.

Tamura K, Dudley J, Nei M, Kumar S. MEGA4: Molecular evolution genetics analysis (MEGA) software version 4.0. *Mol Biol Evol* 2007; 24: 1596-9.

Thenmozhi V, Rajendran R, Ayanar K, Manavalan R, Tyagi BK. Long-term study of Japanese encephalitis virus infection in *Anopheles subpictus* in Cuddalore district, Tamil Nadu, South India. *Trop Med Int Hlth* 2006; 11: 288-93.

Thenmozhi V, Tewari SC, Manavalan R, Balasubramanian A, Gajanana A. Natural vertical transmission of dengue viruses in *Aedes aegypti* in southern India. *Trans R Soc Trop Med Hyg* 2000; 94: 507.

Thompson JD, Higgins DG, Gibson TJ. CLUSTAL W: improving the sensitivity of progressive multiple sequence alignment through sequence weighting, positions-specific gap penalties and weight matrix choice. *Nucleic Acids Res* 1994; 22: 4673-80.

Thongwat D, Morgan K, O'loughlin MS, Walton C, Choochote W, Somboon P. Crossing experiment supporting the specific status of *Anopheles maculatus* chromosomal form K. *J Am Mosq Control Assoc* 2008; 24: 194-202.

Vernick KD, Collins FH, Gwadz RW. A general system of resistance to malaria infection in *Anopheles gambiae* controlled by two main genetic loci. *Am J Trop Med Hyg* 1989; 40: 585-92.

Vernick KD, Fujioka H, Seeley DC, Tandler B, Aikawa M, Miller LH. *Plasmodium gallinaceum*: a refractory mechanism of ookinete killing in the mosquito, *Anopheles gambiae*. *Exp Parasitol* 1995; 80: 583-95.

Vythilingam I, Tan CH, Asmad M, Chan ST, Lee KS, Singh B. Natural transmission of *Plasmodium knowlesi* to humans by *Anopheles latens* in Sarawak, Malaysia. *Trans R Soc Trop Med Hyg* 2006; 100: 1087-8.

- Walton C, Handley JM, Collins FH, Baimai V, Harbach RE, Deesin V, Butlin RK. Genetic population structure and introgression in *Anopheles dirus* mosquitoes in South-east Asia. *Mol Ecol* 2001; 10: 569-80.
- Walton C, Handley JM, Kuvangkadilok C, Collins FH, Harbach RE, Baimai V, Butlin RK. Identification of five species of the *Anopheles dirus* complex from Thailand, using allele-specific polymerase chain reaction. *Med Vet Entomol* 1999; 13: 24-32.
- Walton C, Handley JM, Tun-Lin W, Collins FH, Harbach RE, Baimai V, Butlin RK. Population structure and population history of *Anopheles dirus* mosquitoes in Southeast Asia. *Mol Biol Evol* 2000; 17: 962-74.
- Walton C, Somboon P, O'Loughlin SM, Zhang S, Harbach RE, Linton YM, Chen B, Nolan K, Duong S, Fong MY, Vythilingum I, Mohammed ZD, Trung HD, Butlin RK. Genetic diversity and molecular identification of mosquito species in the *Anopheles maculatus* group using the ITS2 region of rDNA. *Infect Genet Evol* 2007; 7: 93-102.
- White GB, Coluzzi M, Zahar AR. Review of cytogenetic studies on anopheline vectors of malaria. WHO/VBC/75.538 1975: 1-35.
- WHO - World Health Organization. The world health report. Conquering, suffering, enriching humanity, WHO, Geneva 1997; 168 pp.