

Publication List 2006

- 1. Chaithirayanon K**, Grams R, **Vichasri-Grams S**, Hofmann A, Korge G, Viyanant V, Upatham ES, **Sobhon P***. Molecular and immunological characterization of encoding gene and 14-3-3 protein 1 in *Fasciola gigantica*. *Parasitology* Dec 2006;133(6):763-75.
Department : Anatomy / Biology
Author's Status : Academic Staff / student
Journal Name : Parasitology / IF = 1.703
Indexed in : ISI-WOS, SCOPUS
- 2. Chauvatcharin N, Ahantarig A, Baimai V, Kittayapong P***. Bacteriophage WO-B and Wolbachia in natural mosquito hosts: infection incidence, transmission mode and relative density. *Mol Ecol* Aug 2006;15(9):2451-2461.
Department : Biology / Center for Vectors and Vector-Borne Diseases
Author's Status : Academic Staff
Journal Name : Molecular Ecology / IF = 4.301
Indexed in : ISI-WOS
- 3. Damrongphol P*, Suwannarong K**. Effects of N⁶,2'-O-dibutyryl cyclic adenosine monophosphate and the leukemia inhibitory factor on embryo development of the giant freshwater prawn, *Macrobrachium rosenbergii*. *Invertebr Reprod Dev* Jul 2006;49(1-2):71-77.
Department : Biology
Author's Status : Academic Staff / M.Sc. Student
Journal Name : Invertebrate Reproduction & Development / IF = 0.562
Indexed in : ISI-WOS
- 4. Grams R***, Adisakwattana P, Ritthisunthorn N, Eursitthichai V, **Vichasri-Grams S**, Viyanant V. The saposin-like proteins 1, 2, and 3 of *Fasciola gigantica*. *Mol Biochem Parasitol* Aug 2006;148(2):133-43.
Department : Biology
Author's Status : Academic Staff / Ph.D. Student
Journal Name : Molecular and Biochemical Parasitology / IF = 2.733
Indexed in : ISI-WOS, PubMed
- 5. Kittayapong P**, Chansang U, Chansang C, **Bhumiratana A** . Community participation and appropriate technologies for dengue vector control at transmission foci in Thailand. *J Am Mosquito Contr* Sep 2006;22(3):538-546.
Department : Biology / Biotechnology
Author's Status : Academic Staff
Journal Name : Journal of the American Mosquito Control Association / IF = 0.779
Indexed in : ISI-WOS
- 6. Laksanawimol P, Damrongphol P*, Kruatrachue M**. Alteration of the brood pouch morphology during gestation of male seahorses, *Hippocampus kuda*. *Mar Freshwater Res* Jun 2006;57(5):497-502.
Department : Biology
Author's Status : Academic Staff / M.Sc. Student
Journal Name : Marine and Freshwater Research / IF = 1.478
Indexed in : ISI-WOS

7. Meeratana P*, **Withyachumnarnkul B, Damrongphol P, Wongprasert K, Suseangtham A, Sobhon P**. Serotonin induces ovarian maturation in giant freshwater prawn broodstock, *Macrobrachium rosenbergii* de Man. [Aquaculture Sep 2006;260\(1-4\):315-325.](#)
Department : Anatomy / Biology
Author's Status : Academic Staff
Journal Name : Aquaculture / IF = 1.374
Indexed in : ISI-WOS, SCOPUS

8. **Pakdeenarong N, Damrongphol P***. Effects of All-trans retinoic acid on germ cell development of embryos and larvae of the giant freshwater prawn, *Macrobrachium rosenbergii*. [Biologia Oct 2006; 61\(5\):621-5.](#)
Department : Biology
Author's Status : Academic Staff / Ph.D. Student
Journal Name : Biologia, Bratislava, Section Zoology
Indexed in : - (Publisher : Versita, co-published with Springer-Verlag GmbH)

9. **Pakdeenarong N, Damrongphol P***. Effects of estradiol-17 β on embryos and larvae of the giant freshwater prawn, *Macrobrachium rosenbergii* (Decapoda, Palaemonidae). [Crustaceana 2006;79\(5\):563-72.](#)
Department : Biology
Author's Status : Academic Staff / Ph.D. Student
Journal Name : Crustaceana / IF = 0.594
Indexed in : ISI-WOS

10. **Pankao V, Sirisriro A, Grams R, Vichasri-Grams S, Meepool A, Kangwanransan N, Wanichanon C, Ardseungneon P, Viyanant V, Upatham ES, Sobhon P***. Classification of the parenchymal cells in *Fasciola gigantica* based on ultrastructure and their expression of fatty acid binding proteins (FABPs). [Vet Parasitol Dec 2006;142\(3-4\):281-92.](#)
Department : Anatomy / Biology
Author's Status : Academic Staff / Supporting Staff
Journal Name : Veterinary Parasitology / IF = 1.686
Indexed in : ISI-WOS, SCOPUS

11. **Panyakhan S, Kruatrachue M, Pokethitiyook P*, Soonthornsarathoon V**, Upatham S. Toxicity and accumulation of cadmium and zinc in *Hydrocotyle umbellata*. [ScienceAsia Sep 2006;32\(3\):323-8.](#)
Department : Biology
Author's Status : Academic Staff / M.Sc. Student / Supporting Staff
Journal Name : ScienceAsia
Indexed in : SCOPUS, SciFinder

12. **Peebua P, Kruatrachue M*, Pokethitiyook P, Kosiyachinda P**. Histological effects of contaminated sediments in Mae Klong River tributaries, Thailand, on Nile tilapia, *Oreochromis niloticus*. [ScienceAsia Mar 2006;32\(1\):143-150.](#)
Department : Biology
Author's Status : Academic Staff / Ph.D. Student
Journal Name : ScienceAsia
Indexed in : SCOPUS, SciFinder

13. **Phetsombat S, Kruatrachue M*, Pokethitiyook P**, Upatham S. Toxicity and bioaccumulation of cadmium and lead in *Salvinia cucullata*. [J Environ Biol Oct 2006;27\(4\):645-52.](#)

Department : Biology
Author's Status : Academic Staff / M.Sc. Student
Journal Name : Journal of Environmental Biology / IF = 0.340
Indexed in : ISI-WOS

14. Pierce JA, **Round PD**. Everett's White-eye *Zosterops everetti* in KhaoYai, north-east Thailand. *Forktail* Aug 2006;22:72-74.
Department : Biology
Author's Status : Academic Staff
Journal Name : Forktail
Indexed in : SCOPUS
15. **Poomsripanon J, Chitramvong Y***. A new instructional model using the integrated 5Es inquiry cycle and Geographic Information System (GIS) to enhance students' understanding of the nature of science. *World Transac Engineer Tech Edu* 2006;5(1):101-6.
Department : Biology
Author's Status : Academic Staff / Ph.D.Student (MU-IL)
Journal Name : World Transactions on Engineering and Technology Education
Indexed in : -
16. **Potivichayanon S, Pokethitiyook P*, Kruatrachue M**. Hydrogen sulfide removal by a novel fixed-film bioscrubber system. *Process Biochem Mar* 2006;41(3):708-715.
Department : Biology
Author's Status : Academic Staff / Ph.D. Student
Journal Name : Process Biochemistry / IF = 1.796
Indexed in : ISI-WOS, SCOPUS
17. **Prayong N, Srikosamatara S***. Small carnivores and other mammals in a small protected area of 50 km² in Thong Pha Phum forest, western Thailand. *Nat Hist Bull Siam Soc* 2006;54(1):139-53.
Department : Biology
Author's Status : Academic Staff / Student
Journal Name : Natural History Bulletin of the Siam Society
Indexed in : BA, Zoological Record
18. **Promsiri S, Naksathit A*, Kruatrachue M**, Thavara U. Evaluations of larvicidal activity of medicinal plant extracts to *Aedes aegypti* (Diptera: Culicidae) and other effects on a non target fish. *Insect Sci Jun* 2006;13(3):179-88.
Department : Biology
Author's Status : Academic Staff / Ph.D. Student
Journal Name : Insect Science
Indexed in : -
19. **Roekring S, Flegel TW***, Malasit P, **Kittayapong P**. Challenging successive mosquito generations with a deonucleosis virus yields progressive survival improvement but persistent, innocuous infections. *Dev Comp Immunol* 2006;30(10):878-892.
Department : Centex Shrimp / Biology / Center for Vectors and Vector-Borne Diseases (CVVD)
Author's Status : Academic Staff
Journal Name : Developmental and Comparative Immunology / IF = 3.261
Indexed in : ISI-WOS, SCOPUS

20. **Rotkittikhun P, Kruatrachue M***, **Chaiyarat R**, Ngernsarsaruay C, **Pokethitiyook P**, Paijitprapaporn A, Baker AJM. Uptake and accumulation of lead by plants from the Bo Ngam lead mine area in Thailand. *Environ Pollut Nov* 2006;144(2):681-8.
Department : Biology
Author's Status : Academic Staff / Ph.D. Student
Journal Name : Environmental Pollution / IF = 2.451
Indexed in : ISI-WOS
21. **Round PD**. Cooperative provisioning of nestlings in the White-crested Laughingthrush *Garrulax leucolophus*. *Forktail Aug* 2006;22:89-90.
Department : Biology
Author's Status : Academic Staff
Journal Name : Forktail
Indexed in : SCOPUS
22. **Round PD***, Gale GA, Brockelman WY. A comparison of bird communities in mixed fruit orchards and natural forest at Khao Luang, southern Thailand. *Biodivers Conserv Aug* 2006;15(9):2873-91.
Department : Biology
Author's Status : Academic Staff
Journal Name : Biodiversity and Conservation / IF = 1.401
Indexed in : ISI-WOS
23. **Ruang-areerate T, Kittayapong P***. Wolbachia transinfection in *Aedes aegypti*: A potential gene driver of dengue vectors. *PNAS Aug* 2006;103(33):12534-12539.
Department : Biology / Center for Vectors and Vector-Borne Diseases
Author's Status : Academic Staff / Ph.D. Student
Journal Name : Proceedings of the National Academy of Sciences / IF = 10.231
Indexed in : ISI-WOS
24. **Ruangsittichai J**, Viyanant V, **Vichasri-Grams S, Sobhon P**, Tesana S, Upatham ES, Hofmann A, Korge G, Grams R*. *Opisthorchis viverrini*: Identification of a glycine-tyrosine rich eggshell protein and its potential as a diagnostic tool for human opisthorchiasis. *Int J Parasitol. Nov* 2006 ;36(13):1329-39.
Department : Biology / Anatomy
Author's Status : Academic Staff / Ph.D. Student (Biology)
Journal Name : International Journal for Parasitology / IF = 3.346
Indexed in : ISI-WOS , SCOPUS
25. **Sanpanich K**, Wells FE, **Chitramvong Y***. Effects of the 26 December 2004 tsunami on littorinid molluscs near Phuket, Thailand. *J Molluscan Stud Aug* 2006;72(3):311-3.
Department : Biology
Author's Status : Academic Staff / Ph.D. Student
Journal Name : Journal of Molluscan Studies / IF = 0.758
Indexed in : ISI-WOS, SCOPUS
26. **Sintupachee S, Milne JR***, Poonchaisri S, **Baimai V, Kittayapong P**. Closely related *Wolbachia* strains within the pumpkin arthropod community and the potential for horizontal transmission via the plant. *Microb Ecol Apr* 2006;51(3):294-301.
Department : Biology / Center for Vectors and Vector-Borne Diseases
Author's Status : Academic Staff / Ph.D. Student

Journal Name : Microbial Ecology / IF = 2.674
Indexed in : ISI-WOS, SCOPUS

27. Supaprom TT, **Baimai V**, Chan-Ard T. Karyotypes of four species of megophryid frogs (Aura : Megophryidae) from Thailand. *Amphibia Reptilia* Aug 2006;27(30):456-60.
Department : Biology
Author's Status : Academic Staff
Journal Name : Amphibia-Reptilia / IF = 0.547
Indexed in : ISI-WOS
28. **Tanboontek S, Damrongphol P*, Poolsanguan W**. Stimulation of ovarian development and spawning in the giant freshwater prawn, *Macrobrachium rosenbergii* (de Man). *Aquac Res* Aug 2006;37(12):1259-61.
Department : Biology
Author's Status : Academic Staff / M.Sc. Student
Journal Name : Aquaculture Research / IF = 0.746
Indexed in : ISI-WOS
29. **Tangvuthipong P, Damrongphol P***. 5-Hydroxytryptamine enhances larval development of the giant freshwater prawn, *Macrobrachium rosenbergii*. *Aquaculture* Feb 2006;251(2-4):567-572.
Department : Biology
Author's Status : Academic Staff / M.Sc. Student
Journal Name : Aquaculture / IF = 1.374
Indexed in : ISI-WOS
30. **Thanwisai A, Kuvangkadilok C*, Baimai V**. Molecular phylogeny of black flies (Diptera : Simuliidae) from Thailand, using ITS2 rDNA
Genetica Sep 2006;128(1-3):177-204.
Department : Biology / Center for Vector and Vector-Borne Diseases
Author's Status : Academic Staff / M.Sc. Student
Journal Name : Genetica / IF = 1.772
Indexed in : ISI-WOS
31. **Vichasri-Grams S, Subpipattana P, Sobhon P**, Viyanant V, Grams R*. An analysis of the calcium-binding protein 1 of *Fasciola gigantica* with a comparison to its homologs in the phylum Platyhelminthes. *Mol Biochem Parasitol* Mar 2006;146(1):10-23.
Department : Biology / Anatomy
Author's Status : Academic Staff / Ph.D. Student
Journal Name : Molecular and Biochemical Parasitology / IF = 2.803
Indexed in : ISI-WOS, PubMed
32. **Waratrujiwong T**, Krebs B, Spener F, **Visoottiviseth P***. Recombinant purple acid phosphatase isoform 3 from sweet potato is an enzyme with a diiron metal center. *FEBS J* Apr 2006;273(8):1649-59.
Department : Biology
Author's Status : Academic Staff / Ph.D. Student
Journal Name : FEBS Journal (Formerly : European Journal of Biochemistry) / IF = 3.164
Indexed in : ISI-WOS
33. **Wiwatanaratanabutr S, Kittayapong P***. Effects of temephos and temperature on Wolbachia load and life history traits of *Aedes albopictus*. *Med Vet Entomol* Sep 2006;20(3):300-7.

Department : Biology / Center for Vector and Vector-Borne Disease
Author's Status : Academic Staff / Ph.D. Student
Journal Name : Medical and Veterinary Entomology / IF = 1.488
Indexed in : ISI-WOS

34. **Yimkao P, Srikosamatara S***. Ecology and site-based conservation of the white-handed gibbon (*Hylobates lar* L.) in human-use forests in Mae Hong Son province, northern Thailand. *Nat Hist Bull Siam Soc* 2006;54(1):109-38.

Department : Biology

Author's Status : Academic Staff / Student

Journal Name : Natural History Bulletin of the Siam Society

Indexed in : BA, Zoological Record

35. Herbreteau, V., Demoraes, F., Hugot, J., **Kittayapong, P.**, Salem, G., Souris, M., Gonzalez, J. Perspectives on applied spatial analysis to animal health: A case of rodents in Thailand. *Annals of the New York Academy of Sciences*. Oct 2006; 1081:17-29. Indexed in : SCOPUS

Article in Newsletter : 1 Article

1. **Round P**, Phothiseng D. The importance of the gulf of Thailand for shorebirds. *Tattler* Jan 2006; p3.

Department : Biology

Author's Status : Academic Staff

Journal Name : Tattler : Newsletter for the Asia Pacific Flyways

Indexed in : -

Thai Journals : 2 Articles

1. **Saelee A**, Tigvattananont S, **Baimai V***. Allozyme electrophoretic evidence for a complex of species within the *Bactrocera tau* group (Diptera: Tephritidae) in Thailand. *Songklanakarin J Sci Technol* Mar 2006;28(2):249-259.

Department : Biology

Author's Status : Academic Staff

Journal Name : Songklanakarin Journal of Science and Technology

Indexed in : SCOPUS

Papers in International Proceedings : 10 Articles

1. Bullangpoti V, Visetson S, Milne M, **Milne J**, Pornbanlualap S, Sudthongkong C, Tayapat S. The novel botanical insecticide for the control of brown planthopper (*Nilaparvata lugens* Stal.). *Comm Appl Biol Sci, Ghent University* 2006;71/2b:475-81.

Department : Biology

Author's Status : Academic Staff