

Faculty of Science, Mahidol University's International Journal Publications
Year 2006 : 300 Articles

Department of Biology 37 articles

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 / Ph.D. Student (Anatomy)
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 / PostDoc.
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
Journal Name : Molecular and Biochemical Parasitology / IF = 2.733
Indexed in : ISI-WOS, PubMed
5. Herbreteau V*, Demoraes F, Hugot J-P, **Kittayapong P**, Salem G, Souris M, Gonzalez J-P. Perspectives on applied spatial analysis to animal health: A case of rodents in Thailand. [Annals. Perspectives on applied spatial analysis to animal health: A case of rodents in Thailand. Acad Sci Oct 2006;1081:17-29.](#)
Department : Biology / Center for Vectors and Vector-borne Diseases
Author's Status : Academic Staff
Journal Name : Annals of the New York Academy of Sciences / IF = 1.971
Indexed in : ISI-WOS, SCOPUS
6. **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 / Ph.D. Student (Biology)
Journal Name : Journal of the American Mosquito Control Association / IF = 0.779
Indexed in : ISI-WOS
7. **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
8. 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

9. **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)
10. **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
11. **Pankao V, Sirisriro A, Grams R, Vichasri-Grams S, Meepool A, Kangwanrangsang 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 / M.Sc., Ph.D. Student (Anatomy) Supporting Staff (Biology)
Journal Name : Veterinary Parasitology / IF = 1.686
Indexed in : ISI-WOS, SCOPUS
12. **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
13. **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
14. **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
15. 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
16. **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 : -

17. **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
18. **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 / M.Sc. Student
Journal Name : Natural History Bulletin of the Siam Society
Indexed in : BA, Zoological Record
19. **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 : -
20. **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 : Biotechnology / 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
21. **Rotkittikhun P, Kruatrachue M***, **Chaiyarat R**, Ngeransansaruay C, **Pokethitiyook P**, Pajitprapaporn 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
22. **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
23. **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
24. **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
25. **Ruang-sittichai 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

26. **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 Tech Mar-Apr 2006; 28\(2\):249-59.](#)
Department : Biology
Author's Status : Academic Staff
Journal Name : Songklanakarin Journal of Science and Technology
Indexed in : SCOPUS
27. **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
28. **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
29. Supaprom T, **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
30. **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
31. **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
32. **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
33. **Vichasri-Grans S**, **Subpipattana P**, **Sobhon P**, Viyanant V, Grans 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 (Biology)
Journal Name : Molecular and Biochemical Parasitology / IF = 2.803
Indexed in : ISI-WOS, PubMed
34. **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

35. **Wattananatchakit N, Srikosamatara S.** Small mammals around a Karen village in Northern Mae Hong Son Province, Thailand: Abundance, distribution and human consumption. *Nat Hist Bull Siam Soc* 2006;54(2): 195-207.
[Department](#) : Biology
[Author's Status](#) : Academic Staff / M.Sc. Student
[Journal Name](#) : Natural History Bulletin of the Siam Society
[Indexed in](#) : BA, Zoological Record
36. **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
37. **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 / M.Sc. Student
[Journal Name](#) : Natural History Bulletin of the Siam Society
[Indexed in](#) : BA, Zoological Record

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