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EDUCATION

1998 to 2004 Ph.D. in Entomology. National Taiwan University, Taipei, TAIWAN.

1994 to 1998 B.Sc. in Plant Pathology and Entomology. National Taiwan University, Taipei, TAIWAN.

PUBLICATIONS

1. Refereed Publications:

- (1) **Yang, R.-L.**, and H. Fushing. 2008. Quantifying the effects of host discrimination on egg-laying decision of the cowpea seed beetle, *Callosobruchus maculatus*. Entomol. Exp. Appl. 129: 325-331.
- (2) Cheng, C.-W., **R.-L. Yang**, I.-C. Cheng, and S.-B. Horng. 2008. Egg-dumping: a strategy for host range expansion in *Callosobruchus maculatus* (Coleoptera: Bruchidae). Ann. Entomol. Soc. Am. 101: 950-954.
- (3) Lee, S.-H., **R.-L. Yang**, and N.-Y. Su. 2008. Surface irregularity induced-tunneling behavior of the formosan subterranean termite. Behav. Process. 78: 473-476.
- (4) Lee, S.-H., **R.-L. Yang**, and N.-Y. Su. 2008. Tunneling response of termites to a pre-formed tunnel. Behav. Process. 79: 192-194.
- (5) Warner, J., **R.-L. Yang**, and R. H. Scheffrahn. 2008. Efficacy of selected bait and residual toxicants for control of bigheaded ants *Pheidole megacephala* (Hymenoptera: Formicidae), in large field plots. Florida Entomol. 91: 277-282.
- (6) Kou, R., S.-Y. Chou, Z. Y. Huang, and **R.-L. Yang**. 2008. Juvenile hormone levels are increased in winners of cockroaches fights. Horm. Behav. 54: 521-527.
- (7) Kou, R., H.-W. Chang, Z. Y. Huang, and **R.-L. Yang**. 2008. Pheromone, juvenile hormone, and social status in the male lobster cockroach *Nauphoeta cinerea*. Arch. Insect Biochem. Physiol. 68: 144-155.
- (8) Lee, S.-H., P. Bardunias, N.-Y. Su, and **R.-L. Yang**. 2008. Behavioral response of termites to tunnel surface irregularity. Behav. Process. 78: 397-400.
- (9) Li, H.-F., R. H. Scheffrahn, N.-Y. Su, and **R.-L. Yang**. 2008. Survey of the termites (Isoptera: Kalotermitidae, Rhinotermitidae, Termitidae) of Lanyu island, Taiwan. Florida Entomol. 91: 472-473.

- (10) Tseng, H.-F., **R.-L. Yang**, C. Lin, and S.-B. Horng. 2007. The function of multiple mating in oviposition and egg maturation in the seed beetle *Callosobruchus maculatus*. *Physiol. Entomol.* 32: 150-156.
- (11) Chen, S.-C., **R.-L. Yang**, H.-Y. Ho, S.-Y. Chou, and R. Kou. 2007. Strategic 3-hydroxy-2-butanone release in the dominant male lobster cockroach, *Nauphoeta cinerea*. *Naturwissenschaften* 94: 927-933.
- (12) Chou, S.-Y., Z. Y. Huang, S.-C. Chen, **R.-L. Yang**, and R. Kou. 2007. Antenna contact and agonism in the male lobster cockroach, *Nauphoeta cinerea*. *Horm. Behav.* 52: 252-260.
- (13) **Yang, R.-L.**, H. Fushing, and S.-B. Horng. 2006. Effects of search experience in a resource-heterogeneous environment on the oviposition decisions of the seed beetle, *Callosobruchus maculatus* (F.). *Ecol. Entomol.* 31: 285-293.
- (14) Hsu, H.-Y., **R.-L. Yang**, and S.-B. Horng. 2006. Sequential load transport in *Anoplolepis gracilipes*: sequential cooperation or load robbing? *Sociobiology* 48: 571-584.
- (15) Huang, C.-C., **R.-L. Yang**, H.-J. Lee, and S.-B. Horng. 2005. Beyond fecundity and longevity: trade-offs between reproduction and survival mediated by behavioural responses of *Callosobruchus maculatus* (Fab.). *Physiol. Entomol.* 30: 381-387.
- (16) Dai, S.-M., **R.-L. Yang**, and S.-B. Horng. 2006. Effects of host experience during different stages on oviposition preference of *Callosobruchus maculatus* (F.) (Coleoptera: Bruchidae). *Formosan Entomol.* 26: 11-26. (in Chinese)
- (17) Lin, J.-Y., **R.-L. Yang**, and S.-B. Horng. 2004. Effect of host deprivation period on fecundity and longevity of the seed beetles *Callosobruchus chinensis* and *C. maculatus*. *Plant Protection Bulletin*, 46: 211-221. (in Chinese)
- (18) Cheng, I.-C., **R.-L. Yang**, and S.-B. Horng. 2003. Interactions between host preference and offspring survivorship of *Callosobruchus maculatus* (Fab.). *Formosan Entomol.*, 23: 291-303. (in Chinese)
- (19) **Yang, R.-L.**, and S.-B. Horng. 2002. Host size discrimination and oviposition behavior of the seed beetle, *Callosobruchus maculatus* (F.). *Formosan Entomol.* 22: 343-357. (in Chinese)

2. Books, Contributor of Chapter(s):

- (1) **Yang, R.-L.**, and S.-B. Horng. 2000. Recognition systems of animals, pp. 31-42. Proceedings of the graduate seminar in 21th Annual meeting of Entomological Society of Republic of China. Taichung, TAIWAN.

HONORS AND AWARDS

- Graduate student scholarship, National Science Council (Taiwan), 2001-2004.
- Graduate student scholarship, Ministry of Education (Taiwan), 1998-2001.
- The Best Speaker Award in graduate seminar, Dept. Entomology, National Taiwan University, 2000.
- Presidential Award for academic excellence, National Taiwan University, 1996.