



Biology and Behavior Laboratory

Under the direction of
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RESEARCH PROJECTS:

YEAR	PROJECTS
2011-2013	The effect of glyphosate on biology, behavior and histology of an aquatic firefly larva, <i>Luciola aquatilis</i>
2012-2014	Genetic and behavioral evaluation of firefly, <i>Luciola aquatilis</i> , populations from central part of Thailand for firefly reintroduction program
2012-2012	Multiple mating and the role of nuptial gift in a Thai aquatic firefly, <i>Luciola aquatilis</i>
2011-2013	Some biological and ecological aspects of wall bagworm <i>Phereoeca</i> sp. (Lepidoptera: Tineidae) in Thailand
2011-2013	Germplasm evaluating and development for resistance to whiteflies and cassava mosaic disease to prepare for future insect and disease infestation.
2011-2014	Life Cycle Impact Assessment (LCIA) in Agro-ecosystem to Conserve Biodiversity and Mitigate Global Warming



MAJOR PUBLICATIONS:

Cratsley, C., Prasertkul, T. and **Thancharoen, A.** 2012. Male aggregation behaviour in the fireflies *Photinus ignitus* and *Pteropteryx malaccas*. *Lampyrid.* 2: 87-98.

Silalom, S., **Thancharoen, A.** and Vessabutr, S. 2012. The life history of a species of *Lamprigera* (Coleoptera: Lampyridae): results of a preliminary study on laboratory rearing of fireflies at Queen Sirikit Botanic Garden, Chiang Mai, Thailand. *Lampyrid.* 2: 72-79.

Thancharoen, A., Branham, M.A., and Lloyd, J.E. 2007. "Building Twilight "Light Sensors" to Study the Effects of Light Pollution on Fireflies." *The American Biology Teacher.* 70(2): e6-e12.

Thancharoen, A. 2012. Well managed firefly tourism: a good tool for firefly conservation in Thailand. *Lampyrid.* 2:130-136.

Thancharoen, A., Ballantyne, L.A., Branham, M.A. and Jeng, M.L. 2007. Description of *Luciola aquatilis* sp. nov., a new aquatic firefly (Coleoptera: Lampyridae: Luciolinae) from Thailand. *Zootaxa.* 1611:55-62.