# CIRRICULUM VITAE

**NAME** : Mrs. Chama Phankaew (Inson)

**BIRTH DATE** : December 21, 1979

**BIRTH PLACE** : Chiang Mai, Thailand

**EDUCATION**

| : YEAR | INSTITUTE | DEGREE |
|---|---|---|
| : 2002 | Maejo Univ. | B.Sc. (Entomology) |
| : 2006 | Kasetsart Univ. | M.S. (Entomology) |
| : 2012 | Kasetsart Univ. | Ph.D. (Entomology) |

**POSITION** : Assistant Professor

: Department of Entomology, Faculty of Agriculture, Kasetsart University, Bangkok, Thailand (2012-present)

**ADDRESS** : 50 Ngam Wong Wan Rd, Lat Yao, Chatuchak, Bangkok, 10900
Tel. +66 (0) 859908996

**MAIN FIELDS OF EXPERTISE:**

1) Ecology, Biodiversity and Taxonomy of Apidae (Tribe Apini and Meliponini)
2) Insect pollinator management
3) Apiculture
4) Edible insects for food and feed

**RESEARCH PROJECTS**:

1) Species Diversity of Stingless bees (Apidae: *Trigona* spp. and *Hypotrigona* spp.) in Golden Jubilee Thong Pha Phoom Project: 2004-2006; supported by Biodiversity Research and Training Program

2) The Bees (Hymenoptera: Apoidea) as Insect Pollinators on Physic nuts (Euphorbiaceae: *Jatropha curcas* L.) in Thailand: 2009-2012; supported by Kasetsart University Research and Development Institute and Biodiversity Research and Training Program

3) Conservation of Local Wisdom on Giant Honey bee (*Apis dorsata* F.) Keeping for Sustainable Utilization in swamp tea tree forestry area at Khunso Sub-district, Khun Niang District, Songkhla Province: 2014-2016; supported by State Enterprise, Giant honeybee Conservation, Khunso and Department of Entomology, Faculty of Agriculture, Kasetsart University

4) Study on the development of bee pollination industry, the responsible use of pesticide and the future cooperation and actions in Thailand: 2015; supported by CropLife Asia

5) Insect Pest Management of Oil palm Grown in Eastern Thailand by Integrated control: 2014-2018; supported by Agricultural Research Development Agency (Public Organization)

6) Stingless bee culture for propolis production and products from propolis: 2015-2016; supported by Faculty of Agriculture, Kasetsart University

7) Effect of Application of Piper Genus Extracts to Control Diamond Back Moth (*Plutella xylostella*) Mealy bug (*Pseudococcus jackbeardsleyi*) and European honeybee (*Apis mellifera* L.): 2016-2018; supported by Kasetsart University Research and Development Institute

8) Development the pilot scale of allergy test kit from pollen, mold spore, dander and insect (ants, wasps, bees): 2016-2018; supported by The Thailand Research Fund

9) Stingless bee management for mango pollination in Thailand: 2017-2020; supported by Bayer Germany

10) Two-spotted cricket (*Gryllus bimaculatus* De Geer) production on alternative feed: 2017-2019; supported by Department of Entomology, Faculty of Agriculture, Kasetsart University

11) Black soldier fly (*Hermetia illucens* L.) production on waste from cafeteria at Kasetsart University, Bangkok, Thailand: 2017-2019;

supported by Department of Entomology, Faculty of Agriculture Kasetsart University

12) Standard development of edible cricket production to Good Agriculture Practice of cricket farming for export: 2018-2019; supported by Thai Government Fund

**PROJECT SUPERVISOR:**

1) Investigating Red Palm Weevil Farming Practices in Thailand: 2016; Researcher: Justin Whittle from New Colombo Plan Thailand Fellow BNSc, Sustainable Agriculture and Food Security Western Sydney University, Australia

2) The role of insects and wind in the pollination of durian (*Durio zibethinus* Murray) cultivars Monthong and Chanee: 2015-2017; Researcher: Kanuengnit Wayo from Department of Biology, Faculty of Science, Prince of Songkla University, Thailand

3) Studied on species and efficiency of insect pollinator to Macadamia (*Macadamia integrifolia* Maiden & Betche) pollination in Chaiyaphum province: 2016-2018; Researcher: Pitchakorn Yodmun from Department of Zoology, Faculty of Science, Kasetsart University, Thailand

**PUBLICATIONS** : 1) Inson, C. and S. Malaipan. 2006. Species Diversity of Stingless bees (Apidae: *Trigona* spp. and *Hypotrigona* spp.) in Golden Jubilee Thong Pha Phoom Project, Thong Pha Phoom District, Kanchanaburi Province". **Agricultural Science** (Thai version) 5: 370-399.

2) Inson, C. and S. Malaipan. 2006. Diversity of Stingless Bees (Apidae: *Trigona* spp.) and Their Resin and Gum Collecting Behavior from Nature in Golden Jubilee Thong Pha Phoom Project, Thong Pha Phoom District, Kanchanaburi Province. **BRT Research Annual Report**. 20-31.

3) Inson, C. 2006. **Diversity of Stingless Bees (Apidae: *Trigona* spp. and *Hypotrigona* spp.) and Their Resin and Gum Collecting Behavior from Nature in Golden Jubilee Thong**

**Pha Phoom Project, Thong Pha Phoom District, Kanchanaburi Province**. M.S. Thesis, Kasetsart University.

4) Inson, C. and S. Malaipan. 2011. Diversity of Bees (Hymenoptera: Apoidea) as Insect Pollinators on Physic nuts (Euphorbiaceae: *Jatropha curcas* L.) in Thailand. **Thai Journal of Agricultural Science**. 44(4): 263-269.

5) Inson, C. 2012. **The Bees (Hymenoptera: Apoidea) as Insect Pollinators on Physic nuts (Euphorbiaceae: *Jatropha curcas* L.) in Thailand**. Ph.D. Thesis, Kasetsart University.

6) Phankaew, C. and S. Malaipan. 2014. Diversity, distribution and behavior of bee pollination (Hymenoptera: Apoidea) effect the amount of pollen grains on physic nut (*Jatropha curcas* L.) in Thailand. **The Thailand Natural History Museum Journal.** 7 (2): 1-12.

7) Pobsuk, P., C. Phankaew and S. Malaipan. 2015. Diversity and foraging behavior of dipteran pollinators of physic nut (*Jatropha curcas* L.) in Thailand. **Thai Journal of Forestry**. 34(3): 1-15.

8) Auamcharoen, W. and C. Phankaew. 2016. Antibacterial activity and phenolic content of propolis from four different areas of Thailand. **International Journal of Pharmaceutical Sciences Review and Research**. 37(1): 77-82.

9) Phankaew, C. 2016. Apiculture and pollinator industry survey in Thailand. **International Journal of Agricultural Extension**. 4(2): 95-103.

10) Wayo K., Phankaew C., Stewart A.B. and Bumrungsri S. 2018. Bee are supplementary pollinators of self-compatible chiropterophilous durian. **Journal of Tropical Ecology**. 34(1): 41-52.

**PROCEEDING** : 1) Phankaew, C. 2015. Apiculture and Pollinator Industry Survey in Thailand. The 44$^{th}$ APIMONDIA International Apicultural Congress, South Korea. Oral & Poster presentation.

2) Phankaew, C., S. Rattakan, B. Phankaew and D. Marod. 2015. Conservation of Local wisdom on giant honeybee (*Apis dorsata* F.) Keeping for sustainable utilization in paper bark tree area at Khunso sub-district, Khun Niang district, Songkhla province. Thai Forest Ecological Research Network, T-FERN#7, Bangkok, Thailand. Oral presentation.

3) Yodmun P., C. Phankaew and M. Maketon. 2018. Studied on species and efficiency of insect pollinator to Macadamia (*Macadamia integrifolia* Maiden & Betche) pollination in Chaiyaphum province. The 10th National Science Research Conference "Science Leading for Thailand Innovation 4.0", 24-25 May 2018. Poster presentation.

4) Phankaew, C. 2018. Stingless bee management for mango pollination in Thailand. Bee Care Science Workshop, Kameha Grand Hotel, Bonn, Germany. Oral & Poster presentation.

**INTERESTED FIELD** : 1) Diversity of Hymenoptera

2) Pollination on economic plants in Thailand

3) API Toxicology or Ecotoxicology

4) Edible insects for food and feed