



TUNWADEE KLONKLAEW

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EDUCATION

2016

CHIANG MAI UNIVERSITY
Ph.D. (Parasitology)

2000

CHIANG MAI UNIVERSITY
B.Sc. (Medical Technology)

EXPERTISE

- Medical Entomology
- Forensic Entomology
- Insect study

Publications

1. Sontigun, N., Sansamur, C., **Klong-Klaew, T.**, Mektrirat, R., Kaewthamasorn, M., & Fungwithaya, P. (2025). Field-based and molecular evaluation of anthelmintic resistance in gastrointestinal strongyle nematodes of meat goats in Southern Thailand. *Veterinary World*, 18(8), 2467-2478. <https://doi.org/10.14202/vetworld.2025.2467-2478>
2. Sontigun, N., Sansamur, C., **Klong-Klaew, T.**, Kaewthamasorn, M., Fungwithaya, P., & Mektrirat, R. (2025). Seasonal Infective Dynamics and Risk Factors Associated with Prevalence of Zoonotic Gastrointestinal Parasites from Meat Goats in Southern Thailand. *Animals*, 15(14). <https://doi.org/10.3390/ani15142040>
3. Limsopatham, K., **Klong-klaew, T.**, Fufuang, N., Sanit, S., Sukontason, K. L., Sukontason, K., Somboon, P., & Sontigun, N. (2021). Wing morphometrics of medically and forensically important muscid flies (Diptera: Muscidae). *Acta Tropica*, 222, Article 106062. <https://doi.org/10.1016/j.actatropica.2021.106062>
4. **Klong-klaew, T.**, Sontigun, N., Samerjai, C., Sanit, S., Sukontason, K., Tomberlin, J. K., Somboon, P., Chareonviriyaphap, T., Kurahashi, H., & Sukontason, K. L. (2020). Daily and seasonal variation of muscid flies (Diptera: Muscidae) in Chiang Mai province, northern Thailand. *Acta Tropica*, 204, Article 105348. <https://doi.org/10.1016/j.actatropica.2020.105348>
5. Samerjai, C., Sukontason, K. L., Sontigun, N., Sukontason, K., **Klong-Klaew, T.**, Chareonviriyaphap, T., Kurahashi, H., Klimpel, S., Kochmann, J., Saeung, A., Somboon, P., & Wannasan, A. (2020). Mitochondrial DNA-based identification of forensically important flesh flies (Diptera: Sarcophagidae) in Thailand. *Insects*, 11(1), Article 2. <https://doi.org/10.3390/insects11010002>
6. Sontigun, N., Sukontason, K. L., **Klong-Klaew, T.**, Sanit, S., Samerjai, C., Somboon, P., Thanapornpoonpong, S. N., Amendt, J., & Sukontason, K. (2018). Bionomics of the oriental latrine fly *Chrysomya megacephala* (Fabricius) (Diptera: Calliphoridae): temporal fluctuation and reproductive potential. *Parasites and Vectors*, 11(1), Article 415. <https://doi.org/10.1186/s13071-018-2986-2>



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Publications

7. **Klong-Klaew, T.**, Sontigun, N., Sanit, S., Samerjai, C., Sukontason, K., Koehler, P. G., Pereira, R. M., Chareonviriyaphap, T., Kurahashi, H., & Sukontason, K. L. (2018). Daily and Seasonal Prevalence of the Blow Fly *Chrysomya Rufifacies* (Diptera: Calliphoridae) as Revealed by Semiautomatic Trap Collections in Suburban Chiang Mai Province, Northern Thailand. *Florida Entomologist*, 101(4), 617-622. <https://doi.org/10.1653/024.101.0424>
8. Sanit, S., Limsopatham, K., **Klong-klaew, T.**, Samerjai, C., Yasanga, T., Sukontason, K., Tomberlin, J. K., & Sukontason, K. L. (2018). Morphology of immature blow fly *Hypopygiopsis infumata* (Bigot) (Diptera: Calliphoridae), a potential species of forensic importance. *Acta Tropica*, 188, 168-179. <https://doi.org/10.1016/j.actatropica.2018.08.037>
9. **Klong-Klaew, T.**, Ngoen-Klan, R., Moophayak, K., Sukontason, K., Irvine, K. N., Tomberlin, J. K., Somboon, P., Chareonviriyaphap, T., Kurahashi, H., & Sukontason, K. L. (2018). Predicting geographic distribution of forensically significant blow flies of subfamily chrysomyinae (Diptera: Calliphoridae) in northern Thailand. *Insects*, 9(3), Article 106. <https://doi.org/10.3390/insects9030106>
10. **Klong-Klaew, T.**, Ngoen-Klan, R., Moophayak, K., Sukontason, K., Irvine, K. N., Tomberlin, J. K., Kurahashi, H., Chareonviriyaphap, T., Somboon, P., & Sukontason, K. L. (2018). Spatial distribution of forensically significant blow flies in subfamily luciliinae (Diptera: Calliphoridae), Chiang Mai province, northern Thailand: Observations and modeling using GIS. *Insects*, 9(4), Article 181. <https://doi.org/10.3390/insects9040181>
11. **Klong-klaew, T.**, Sontigun, N., Sanit, S., Samerjai, C., Sukontason, K., Kurahashi, H., Koehler, P. G., Pereira, R. M., Limsopatham, K., Suwannayod, S., Thanapornpoonpong, S. N., Chareonviriyaphap, T., & Sukontason, K. L. (2017). Field evaluation of a semi-automatic funnel trap targeted the medically important non-biting flies. *Acta Tropica*, 176, 68-77. <https://doi.org/10.1016/j.actatropica.2017.07.018>
12. Monum, T., Sukontason, K. L., Sribanditmongkol, P., Sukontason, K., Samerjai, C., Limsopatham, K., Suwannayod, S., **Klong-Klaew, T.**, & Wannasan, A. (2017). Forensically important blow flies *Chrysomya pinguis*, *C. villeneuvei*, and *Lucilia porphyrina* (Diptera: Calliphoridae) in a case of human



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- remains in Thailand. The Korean journal of parasitology, 55(1), 71-76.
<https://doi.org/10.3347/kjp.2017.55.1.71>
13. **Klong-Klaew, T.**, Sukontason, K., Ngoen-Klan, R., Moophayak, K., Irvine, K. N., Kurahashi, H., Prangkio, C., Sanit, S., & Sukontason, K. L. (2014). Impact of abiotic factor changes in blowfly, *Achoetandrus rufifacies* (Diptera: Calliphoridae), in northern Thailand. Parasitology Research, 113(4), 1353-1360. <https://doi.org/10.1007/s00436-014-3774-3>
 14. Samerjai, C., Sanit, S., Sukontason, K., **Klong-klaew, T.**, Kurahashi, H., Tomberlin, J. K., Morakote, N., Wannasan, A., & Sukontason, K. L. (2014). Morphology of puparia of flesh flies in Thailand. Tropical Biomedicine, 31(2), 351-361.
 15. Sanit, S., Sukontason, K., **Klong-Klaew, T.**, Tomberlin, J. K., Limsopatham, K., Samerjai, C., Sontigun, N., & Sukontason, K. L. (2014). Ontogenesis and developmental rate of the blow fly, *Hypopygiopsis tumrasvini* Kurahashi (Diptera: Calliphoridae). Tropical Biomedicine, 31(4), 760-768.
 16. Sukontason, K. L., Sanit, S., **Klong-Klaew, T.**, Tomberlin, J. K., & Sukontason, K. (2014). Sarcophaga (Liosarcophaga) dux (diptera: Sarcophagidae): A flesh fly species of medical importance. Biological Research, 47(1), Article 14. <https://doi.org/10.1186/0717-6287-47-14>
 17. Moophayak, K., **Klong-Klaew, T.**, Sukontason, K., Kurahashi, H., Tomberlin, J. K., & Sukontason, K. L. (2014). Species composition of carrion blow flies in northern Thailand: Altitude appraisal. Revista do Instituto de Medicina Tropical de Sao Paulo, 56(2), 179-182. <https://doi.org/10.1590/S0036-46652014000200016>
 18. Sanit, S., Sribanditmongkol, P., Sukontason, K. L., Moophayak, K., **Klong-Klaew, T.**, Yasanga, T., & Sukontason, K. (2013). Morphology and identification of fly eggs: Application in forensic entomology. Tropical Biomedicine, 30(2), 325-337.
 19. **Klong-Klaew, T.**, Sukontason, K., Sribanditmongkol, P., Moophayak, K., Sanit, S., & Sukontason, K. L. (2012). Observations on morphology of immature *Lucilia porphyryna* (Diptera: Calliphoridae), a fly species of forensic importance. Parasitology Research, 111(5), 1965-1975. <https://doi.org/10.1007/s00436-012-3043-2>



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- 21. Ngoen-Klan, R., Moophayak, K., **Klong-Klaew, T.**, Irvine, K. N., Sukontason, K. L., Prangkio, C., Somboon, P., & Sukontason, K. (2011). Do climatic and physical factors affect populations of the blow fly *Chrysomya megacephala* and house fly *Musca domestica*? *Parasitology Research*, 109(5), 1279-1292. <https://doi.org/10.1007/s00436-011-2372-x>
- 22. Sukontason, K., Sribanditmongkol, P., Ngoen-Klan, R., **Klong-Klaew, T.**, Moophayak, K., & Sukontason, K. L. (2010). Differentiation between *Lucilia cuprina* and *Hemipyrellia ligurriens* (Diptera: Calliphoridae) larvae for use in forensic entomology applications. *Parasitology Research*, 106(3), 641-646. <https://doi.org/10.1007/s00436-009-1711-7>

EXPERTISE

- Medical Entomology
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