

# CHRIS DAEYUN KIM, PH.D.

Lecturer

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(Address) Department of Entomology, Kasetsart University, Bangkok, Thailand

## Academic Records

### Degrees

**Ph.D.**

**2018.08. ~ 2021.06.**

**Kasetsart University, Bangkok, Thailand**

Faculty of Agriculture, Department of Entomology, Medical Entomology Laboratory

**\*President full scholarship**

**M.Sc.**

**2014.02. ~ 2017.09.**

**Universiti Sains Malaysia, Penang, Malaysia**

School of Biological Sciences, Vector Control Research Unit, Urban Entomology Laboratory

**\*Awarded best publication prize**

**B.Sc.**

**2002.03.05 ~ 2010. 02.15**

**Soongsil University, Seoul, South Korea**

Bachelor of Science in Engineering, Dept. of Chemical & Environmental Engineering

**\* Granted a special scholarship (2005) and working scholars (2006)**

### Courses

**2019.09.29 ~ 2019.10.11**

**Kasetsart University, Bangkok, Thailand**

2<sup>nd</sup> International Course on Malaria Vector Surveillance for Elimination

**\* Awarded Best Facilitator Prize**

**2011.03.02 ~ 2011.07.31**

**Korea University, Seoul, South Korea**

School of Public Health Science, Pest Management Expert Course

**\*Awarded Best Student Prize**

**2008.03.02 ~ 2008.07.31**

**AMES, Melbourne, Australia**

Course of Teaching English to Speakers of Other Languages (TESOL)

## Publications

### Scientific papers (62 citations with 4 h-index since 2017, all published in Q1 journals)

**Dae-Yun Kim**, Jeffrey Hii & Theeraphap Chareonviriyaphap (2023). Influence of air-drying time of transfluthrin filter papers on discriminating concentrations against pyrethroid-susceptible *Aedes aegypti* (Diptera: Culicidae) using a high-throughput screening system (draft).

**Dae-Yun Kim**, Jeffrey Hii & Theeraphap Chareonviriyaphap (2023). Discriminating concentrations of transfluthrin and metofluthrin against pyrethroid-susceptible and -resistant *Aedes aegypti* (L.) (Diptera: Culicidae) assessed by a high-throughput screening system toxicity bioassay (Submitted).

**Dae-Yun Kim**, Theerachart Leepasert, Michael J. Bangs & Theeraphap Chareonviriyaphap (2021). Semi-field evaluation of novel chemical lures against *Aedes aegypti* (L.), *Culex quinquefasciatus* Say. and *Anopheles minimus* Theobald (Diptera: Culicidae) in Thailand. *Parasites and Vectors*, 14(1), 1-11.

**Dae-Yun Kim**, Theerachart Leepasert, Michael J. Bangs & Theeraphap Chareonviriyaphap (2021). Evaluation of mosquito attractant candidates using a high-throughput screening system for *Aedes aegypti*, *Culex quinquefasciatus* and *Anopheles minimus* (Diptera: Culicidae). *Insects*, 12(6), 528.

**Dae-Yun Kim**, Theerachart Leepasert, Michael J. Bangs & Theeraphap Chareonviriyaphap (2021). Dose-response assay for synthetic mosquito (Diptera: Culicidae) attractant using a high-throughput screening system. *Insects*, 12(4), 355.

Leong, X. Y., **Kim, D. Y.**, Dang, K., Singham, G. V., Doggett, S. L., & Lee, C. Y. (2020). Performance of commercial insecticide formulations against different developmental stages of insecticide-resistant tropical bed bugs (Hemiptera: Cimicidae). *Journal of economic entomology*, 113(1), 353-366.

Takeda, K., Yamauchi, J., Miki, A., **Kim, D.**, Leong, X. Y., Doggett, S. L., ... & Adachi-Yamada, T. (2019). Binucleation of male accessory gland cells in the common bed bug *Cimex lectularius*. *Scientific reports*, 9(1), 1-10.

**Kim, D. Y.**, Billen, J., Doggett, S. L., & Lee, C. Y. (2017). Differences in climbing ability of *Cimex lectularius* and *Cimex hemipterus* (Hemiptera: Cimicidae). *Journal of economic entomology*, 110(3), 1179-1186.

## Books

- (Translation) Stephen L. Doggett (2013) *Do you have bed bugs? 빈대 때문에 고민이세요?*  
(Korea Pest Control Association)
- (Translation) Chow-Yang Lee et al. (2014) *Termites of Singapore 싱가포르의 흰개미*  
(Korea Pest Control Association)

## Articles

- Daeyun Kim (2021) *Personality of the month* (Asia Pacific Malaria Elimination Network)
- Daeyun Kim (2020) *Lessons from my bed bug research* (Hungary Pest Control Association)

## Presentations and webinar

### Presentations

- 2023. 11. The 1<sup>st</sup> Asia-Pacific conference on mosquito and vector control (Chiang Mai, Thailand)**  
“Comparison study of attractants for gravid *Aedes aegypti* using a novel mosquito ovitrap”  
“Behavioral responses of *Aedes aegypti* against spatial repellents treated water hyacinth fabric using a high-throughput screening system”
- 2023. 11. Entomological Society of America annual meeting (Virtual, USA)**  
“Comparative contact toxicity of transfluthrin and metofluthrin against pyrethroid-susceptible and -resistant *Aedes aegypti* (Diptera: Culicidae) using a high-throughput screening system (HITSS)”
- 2023. 10. The 8<sup>th</sup> International Forum for Surveillance and Control of Mosquito and Vector-borne Disease (Beijing, China)**  
“Dose-response transfluthrin contact toxicity against pyrethroid-susceptible *Aedes aegypti* using a high-throughput screening system”
- 2022. 11. Entomological Society of America annual meeting (Virtual, USA)**  
“Efficacy and persistency of highly volatile repellents impregnate natural fabrics against *Aedes aegypti* (Diptera: Culicidae) using high-throughput screening system”
- 2022. 10. The 20<sup>th</sup> International Congress for Tropical Medicine and Malaria (Bangkok)**  
“Semi-field evaluation of novel chemical lures using standard traps for vector mosquitoes (Diptera: Culicidae) in Thailand”
- 2021. 11. Entomological Society of America annual meeting (Virtual, USA)**  
“Chemical lure development as attractants for diurnal mosquito, *Aedes aegypti* and nocturnal mosquito, *Culex quinquefasciatus* surveillance tools”  
\* Awarded student competition
- 2021. 03. American Mosquito Control Association’s 87<sup>th</sup> Annual Meeting (Virtual, USA)**  
“Chemical lure development using high-throughput screening system for *Aedes aegypti* surveillance tools”

- 2020. 11.**                    **Entomological Society of America annual meeting (Virtual, USA)**  
*“Chemical lure screening for novel attractants using a high-throughput screening system”*
- 2020.03.**                    **American Mosquito Control Association (Portland, USA)**  
*“Comparison study of host seeking behavior between Aedes aegypti and Culex quinquefasciatus using HITSS assay”*
- 2019.05.**                    **The 6<sup>th</sup> International Forum for Surveillance and Control of Mosquitoes and Vector-borne Diseases (Xiamen, Fujian, China)**  
*“Development of Chemical Attractants for Adult Aedes aegypti, Culex quinquefasciatus, and Anopheles minimus Monitoring”*
- 2018.04.**                    **The International Conference on Agriculture and Natural Resources 2018 (Bangkok, Thailand)**  
*“Differences in climbing ability of Cimex lectularius and C. hemipterus”*
- 2017.09.**                    **Invasive termite and bed bugs management seminar (Seoul, Korea)**  
*“Biology and management of tropical bed bug and common bed bug”*  
*“Termite biology and management in SEAsia”*  
*“Understanding biology of termite in Australia for using termite detecting device”*  
*“Book publication ceremony: Termite in Singapore (Translated in Korean)”*
- 2016.12.**                    **The 10<sup>th</sup> IMT-GT UNINET Conference (Songkla, Thailand)**  
*“Evaluation of an artificial feeding system for laboratory culturing of the tropical bed bug, Cimex hemipterus and the common bed bug, Cimex lectularius”*
- 2014.12.**                    **The 9<sup>th</sup> IMT-GT UNINET Conference (Penang, Malaysia)**  
*“Could tropical bed bug Cimex hemipterus and common bed bug Cimex lectularius mate to produce hybrid progenies?”*

#### **Webinars**

- 2023. 07.**                    **Sustainable Environment: Issues of Neglected Tropical Environment and Promotion of Environmental Health (Virtual, Taiwan)**  
*“Discriminating concentrations of transfluthrin and metofluthrin against pyrethroid-susceptible and -resistant Aedes aegypti (Diptera: Culicidae) assessed by a high-throughput screening system toxicity bioassay”*
- 2021.02.**                    **Asia-Pacific Malaria Elimination Network (Malaria consortium, UK)**  
*“Semi-field evaluation of novel chemical lures against Aedes aegypti (L.), Culex quinquefasciatus Say. and Anopheles minimus Theobald (Diptera: Culicidae) in Thailand”*
- 2020.09.**                    **Virtual Launch Biopren 5EC (Singapore)**  
*“First IGR in Singapore for bed bugs and stored product insects”*