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CURRENT POSITION

2020- **Director**

Institute of Medical Molecular Biotechnology (IMMB)
Faculty of Medicine
Universiti Teknologi MARA
Jalan Hospital, Sungai Buloh, Selangor, Malaysia



2017- **Associate Fellow**

Institute of Pathology, Laboratory and Forensic Medicine (I-PPerForM)
Universiti Teknologi MARA
Jalan Hospital, Sungai Buloh, Selangor, Malaysia

2016- **Senior Lecturer**

Department of Medical Microbiology and Parasitology
Faculty of Medicine
Universiti Teknologi MARA
Jalan Hospital, Sungai Buloh, Selangor, Malaysia

EDUCATION

- 2016 Ph.D. Texas A&M University, Department of Entomology.
2009 M.Med.Sc. National University of Malaysia, Faculty of Medicine.
2006 B.Biomed.Sc. National University of Malaysia, Faculty of Allied Health Sciences.

PROFESSIONAL CERTIFICATION

- 2016-Present Board-Certified Entomologist (BCE)
Entomological Society of America.

PROFESSIONAL EMPLOYMENT

- | | | |
|----------------|-----------------|---|
| Aug - Dec 2020 | Senior Lecturer | Sunway University |
| Aug - Dec 2019 | (Part Time) | Faculty of Science and Technology
Department of Biological Science |

2009 - 2016	Lecturer	Universiti Teknologi MARA Faculty of Medicine
2009-2009	Research Officer	Institute for Medical Research Entomology Unit
May - Dec 2008	Research Assistant	University of Malaya Institute of Biological Science

PEER-REVIEWED ARTICLES

1. Azmiera, N, Krasilnikova, A, Sahudin, S, Al-Talib, H., & **Heo, CC** (2021). Antimicrobial peptides isolated from insects and their potential applications. *Acta Tropica* (under review).
2. Kazim, A. R, Houssaini, J, Ehlers, J, Tappe, D., & **Heo, C. C.** (2021). Soft ticks (Acari: Argasidae) in the island nations of Southeast Asia: A review on their distribution, associated hosts and potential pathogens. *Acta Tropica* (under review).
3. Azmiera, N., Low, V. L., & **Heo, C. C.** (2021) Colonization of Rabbit Carcasses by Drain Fly Larvae, *Psychoda* sp. (Diptera: Psychodidae): The First Report. *Acta Parasitologica*, 1-4.
4. Kurahashi, H & **Heo, C. C.** (2020). A New Species of *Musca* from Peninsular Malaysia, with the Revised Key to the Known Species (Diptera: Muscidae). *Japanese Journal of Systematic Entomology*, **26** (2): 275-280.
5. Singh, S., Yong, S. K., Jalaludin, N. H., Brau, E., Shamsudin, N. N., Keawbaingam, N., & **Heo, C. C.** (2020). Short Communication Preliminary observation on the lepidopteran colonization on rat and rabbit carcasses in Malaysia. *Tropical Biomedicine*, **37**(4), 1146-1151.
6. **Heo, C. C.**, Tomberlin, J. K., & Aitkenhead-Peterson, J. A. (2020). Soil chemistry dynamics of *Sus scrofa* carcasses with and without delayed Diptera colonization. *Journal of Forensic Sciences*, 00:1-13
7. Zaini, N. A., Ivorra, T., Azmiera, N., Natasha, N. A., & **Heo, C. C.** (2020). Commentary on article: Aerobic microbe community and necrophagous insects associated with decomposition of pig carrion poisoned with lead by Aneyo et al. *Legal Medicine* (Tokyo, Japan), **48**, 101818.

8. Heo, C. C., Crippen, T. L., Thornton, S. N., & Tomberlin, J. K. (2020). Differential Carbon Utilization by Bacteria in the Soil Surrounding and on Swine Carcasses with Dipteran Access Delayed. *Pure and Applied Geophysics*, 1-18.
9. Ivorra, T., Hauser, M., Low, V. L., Tomberlin, J. K., Aliah, N. A. N., Cammack, J. A., & Heo, C. C. (2020). *Hermetia illucens* and *Hermetia fenestrata* (Diptera: Stratiomyidae) Colonization of “Spoiled” Stingless Bee *Geniotrigona thoracica* (Hymenoptera: Apidae) Hives in Malaysia. *Insects*, **11**(11), 737.
10. Azmiera, N., Mariana, A., Pimsler, M. L., & Heo, C. C. (2020). Review of mites found on various animal hosts and at different localities in Malaysia. *Journal of Medical Entomology*, **57**(5), 1354-1363.
11. Sharifah N, Heo CC, Ehlers J, Houssaini J, & Tappe D. (2020). Ticks and tick-borne pathogens in animals and humans in the island nations of Southeast Asia: A review. *Acta Tropica*, 105527.
12. Singh S, Abdullah NAB, Carbaugh J & Heo CC (2020). Ants associated with a rat carcass: its implications in forensic entomology with special emphasis on *Carebara diversa* (Hymenoptera: Formicidae). *International Journal of Tropical Insect Science*. <https://doi.org/10.1007/s42690-020-00110-1>.
13. Azmiera N, Singh S & Heo CC (2020). The first report of cigarette beetle infestation on dreid fish crackers in Malaysia. *Malaysian Journal of Health Sciences* **18**(1): 25-28.
14. Azmiera N, Mariana A & Heo CC (2019). First report of *Histiostoma* sp. (Astigmata: Histiostomatidae) phoretic on a forensically important blowfly, *Chrysomya villeneuvei* (Diptera: Calliphoridae). *Tropical Biomedicine* **36**(4): 1099-1104.
15. Natasha Azmi NA, Heo CC, Mohamad NS, Mahmud MH (2019). Age estimation of *Chrysomya megacephala* (Diptera: Calliphoridae) pupae using micro-Computed Tomography imaging: a preliminary study on a forensically important Malaysian blowfly species in Malaysia. *Tropical Biomedicine* **36**(3): 640-653.
16. Azmiera N, Mariana A, Pimsler ML & Heo CC (2019). Review of mites found on various animal hosts and at different localities in Malaysia. *Journal of Medical Entomology* tjaa086, <https://doi.org/10.1093/jme/tjaa086>
17. Heo CC, Rahimi R, Mengual X, Isa MSM, Zainal S, Khofar PN & Nazni WA (2019). *Eristalinus arvorum* (Fabricius, 1787) (Diptera: Syrphidae) in the Human Skull: A New Fly Species of Forensic Importance. *Journal of Forensic Science* doi.org/10.1111/1556-4029.14128

18. Yong SK, Jalaludin NH, Brau E, Shamsudin NN & Heo CC (2019). Changes in soil nutrients (ammonia, phosphate and nitrate) associated with rat carcass decomposition under tropical climatic conditions. *Soil Research* 57(5): 482-488.
19. Heo CC, Teel PD, Banfield MM & Tomberlin JK (2019). Soil arthropod community responses to carrion with delayed insect access. *Food Web* doi.org/10.1016/j.fooweb.2019.e00118
20. Khofar PN, Kurahashi H, Zainal NS, Isa MS, & Heo CC (2019). Diversity of coprophilic Diptera associated with buffalo dung in Selangor, Malaysia. *Journal of Wildlife and Parks* 34: 63-80.
21. Putri SS, Latif B, Azdayanti M, Kannan Kutty M, Razuin R, Amir SAR, Hussaini J, Mardiana A, Anis SM, Lim YAL, Heo CC, Shahidan MN & J Hiu (2019). Detection of Human Sarcocystosis Using Dried Blood on Filter Papers: An Immunofluorescent Antibody Test. *Tropical Biomedicine* 36(2): 453-458.
22. Chuah C., Gobert GN, Latif B, Heo CC & Leow C Y (2018). Schistosomiasis in Malaysia: A Review. *Acta Tropica* 190:137-143.
23. Shamsudin A, Heo CC, Hasmi AH & Nawawi HM (2018). Septicemic meliodosis: a forensic autopsy case report. *Journal of Forensic Science and Medicine* 4(4): 229-232.
24. Heo CC & Nadzimah MN (2018). An unexpected urine swimmer. *Journal of Clinical and Health Sciences* 3(2): 62-63.
25. Heo CC, Latif B, Kurahashi H, Tan SH, Nazni WA, Chew WK & Omar B (2017). Preliminary observations of necrophagous dipteran activities and a new host record of parasitoids on a high-rise building. *Polish Journal of Entomology* 86(2): 165-180.
26. Chen CD, Norafikah OW, Lau KW, Lee HL, Heo CC, Leong CS & Azirun MS. (2017). Laboratory Study on the Repellent Bioefficacy of Diethyl Phenyl Acetamide (DEPA) against *Aedes (Stegomyia) aegypti* (Linnaeus). *Journal of Mosquito Research*, 7(2): 9-14.
27. Latif B, Muslim A & Heo CC (2016). Human and animal pentastomiasis in Malaysia: Review. *The Journal of Tropical Life Science* 6(2): 131-135.
28. Latif B, Kannan Kutty M, Muslim A, Hussaini J, Omar E, Heo CC, Rossle NF, Abdullah S, Kamarudin MA & Zulkarnain MA (2015). Light microscopy and molecular identification of *Sarcocystis* spp. in meat producing animals in Selangor, Malaysia. *Tropical Biomedicine* 32(3): 1-9.

29. Heo CC, Latif B, Aisyah S & Omar B. (2015). Morphological descriptions on the larvae of *Hypopygiopsis fumipennis* (Walker, 1856) (Diptera: Calliphoridae) and a revised key for third instar larvae of forensic importance in Malaysia. *Tropical Biomedicine* 32: 151-159.
30. Silahudin A, Latif B, Kurahashi H & Heo CC (2015). The importance of habitat in the ecology of decomposition on rabbit carcasses in Malaysia: Implications in forensic entomology. *Journal of Medical Entomology* 52(1): 9-23.
31. Heo CC, Latif B, Kurahashi H, Hayashi T, Nazni WA & Omar B (2015). Coprophilic dipteran community associated with horse dung in Malaysia. *Halteres* 6: 33-50.
32. Heo CC, Latif B, Silahuddin SA & Kurahashi H (2015). Third instar of *Boettcherisca highlandica* Kurahashi & Tan, 2009 (Diptera: Sarcophagidae). *Halteres* 6: 121-131.
33. Kannan Kutty M, Latif B, Muslim A, Hussaini J, Daher AM, Heo CC & Abdullah S. 2015. Detection of sarcocystosis in goats in Malaysia by light microscopy, histology and PCR. *Tropical Animal Health and Production* 47: Doi: 10.1007/s11250-015-0789-4.
34. Chen CD, Nazni WA, Lee HL, Hashim R, Abdullah NA, Ramli R, Lau KW, Heo CC, Goh TG, Izzul AA, and Sofian-Azirun M. 2014. A preliminary report on ants (Hymenoptera: Formicidae) recovered from forensic entomological studies conducted in different ecological habitats in Malaysia. *Tropical Biomedicine* 31: 381-386.
35. Heo CC, Latif B, Hafiz WM & Zhou HZ (2013). Dermatitis caused by *Paederus fuscipes* (Coleoptera: Staphilinidae) in the student hostels in Selangor, Malaysia. *Southeast Asian Journal of Tropical Medicine and Public Health* 44(2): 197-205.
36. Heo CC, Aisha S, Kurahashi H & Omar B. New locality record of *Isomyia paurogonita* Fang & Fan, 1986 (Diptera: Calliphoridae) from Peninsular Malaysia and Borneo (2013). *Tropical Biomedicine* 30(1): 159-163.
37. Latif B, Heo CC, Zaini MZ, Razuin R, Shamalaa DV & Tappe D (2013). Autochthonous human schistosomiasis in Malaysia. *Emerging Infectious Diseases* 19(8): 1340-1341.
38. Tappe D, Abdullah S, Heo CC, Kannan Kutty M & Latif B (2013). Human and animal invasive muscular sarcocystosis in Malaysia- recent cases review and hypotheses. *Tropical Biomedicine* 30(3): 1-12.

39. Chen CD, Low VL, Lau KW, Lee HL, Nazni WA, Heo CC, Azidah AA & Sofian-Azirun M (2013). First report on adulticidal susceptibility status of *Aedes albopictus*, *Culex quinquefasciatus*, and *Culex vishnui* from a pig farm in Tanjung Sepat, Selangor, Malaysia. *Journal of the American Mosquito Control Association* **29**(3): 243-250.
40. Latif B, Vellayan S, Heo CC, Kannan Kutty M, Abdullah S & Tappe D (2013). High prevalence of muscular sarcocystosis in cattle and water buffaloes from Selangor, Malaysia. *Tropical Biomedicine* **30**(4): 1-7.
41. Chew WK, H Kurahashi, Nazni WA, Heo CC, Heah SK, and Lee HL (2012). A new record for *Lispe orientalis* Wiedemann, 1824 (Diptera: Muscidae) from peninsular Malaysia. *Tropical Biomedicine* **29**(3): 489-492.
42. Heo CC, Hiromu Kurahashi, Mohamed Abdullah Marwi, John Jeffery & Baharudin Omar. (2011). Some notes on opportunistic arthropods found on pig carrions in Malaysia. *Sains Malaysiana* **40**(6): 601-604.
43. Latif B, Omar E, Heo CC, Othman N, Tappe D (2011). Human pentastomiasis caused by *Armilifer moniliformis* in Malaysian Borneo. *American Journal of Tropical Medicine and Hygiene* **85**(5): 878-881.
44. Nazni WA, Lee HL, Chen CD, Heo CC, Abdullah AG, Wan-Norjuliana WM, Chew WK, Jeffery J, Hashim R & Sofian-Azirun M (2011). Comparative insect fauna succession on indoor and outdoor monkey carrions in a semi-forested area in Malaysia. *Asia Pacific Journal of Tropical Biomedicine*: S232-S258.
45. Nazni WA, Jeffery J, Lee HL, Lalilatul Akmar MN, Chew WK, Heo CC, Sadiyah I, Khairul Asuad M, Heah SK & Mohd Hisham H (2011). Nosocomial nasal myiasis in an intensive care unit. *Malaysian Journal of Pathology* **33**(1): 53-56.
46. Heo CC, John Jeffery, Nazni Wasi Ahmad, Heah Sock Keang, Baharudin Omar, Hidayatulfathi Othman and Lee Han Lim (2010). *Liposcelis bostrychophila* Badonnel (Psocoptera: Liposcelidae) as museum insect pest in Malaysia. *Sains Malaysiana* **39**(2): 329-331
47. Heo CC, Nazni Wasi Ahmad, Lee Han Lim, John Jeffery, Azahari Abd. Hadi, Hidayatulfathi Othman and Baharudin Omar (2010). Infestation of cat flea, *Ctenocephalides felis felis* (Siphonaptera: Pulicidae) among six undergraduate students - a case report. *Southeast Asian journal of Tropical Medicine and Public Health* **41** (6): 1331-1334.
48. Heo CC, Mohamed Abdullah Marwi, John Jeffrey, Hidayathi Fathiothman, Sallehudin Sulaiman & Baharudin Omar (2010). Insect succession on a hanging pig carcass in an oil palm plantation in Malaysia. *Sains Malaysiana* **39**(6): 921-926.

49. Heo CC, Mohamed Abdullah Marwi, John Jeffrey, Sofian-Azirun M., Chen Chee Dhang, Wan Omar Abdullah, Ismarulyusda Ishak & Baharudin Omar (2010). Butterflies associated with pig carcasses in Malaysia. *Journal Sains Kesihatan Malaysia* 8(1): 1-4.
50. Rumiza AR, Khairul O, Zuha RM and Heo CC (2010). An observation on the decomposition process of gasoline-ingested monkey carcasses in a secondary forest in Malaysia. *Tropical Biomedicine* 27(3): 373-383.
51. Heo CC, Nazni Wasi Ahmad, Chew Wai Kian, Hiromu Kurahashi, John Jeffery, Heah Sock Kiang & Baharudin Omar (2010). A preliminary study on cow dung Diptera community in Sentul Timur, Kuala Lumpur. *Journal of Parasitology and Tropical Medicine* 33(2): 53-61.
52. Heo CC, Mohamad Abdullah Marwi, Rosli Hashim, Nurul Ashikin Abdullah, Chen Chee Dhang, John Jeffery, Hiromu Kurahashi and Baharudin Omar (2009). Ants (Formicidae) associated with pig carcasses in Malaysia. *Tropical Biomedicine* 26(1): 106-109.
53. Raja Muhammad Zuha, Hiromu Kurahashi, Heo CC, Khairul Osman, Rumiza Abd. Rashid, Rogayah Abu Hassan, Syamsa Rizal Abdullah, Ahmad Firdaus Mohd. Salleh, Mohamed Abdullah Marwi and Baharudin Omar (2009). *Myospila pudica pudica* (Stein, 1915) (Diptera: Muscidae) in Peninsular Malaysia and its occurrence on a monkey carrion. *Tropical Biomedicine* 26(2): 216-218.
54. Heo CC, Nazni Wasi Ahmad, Lee Han Lim, John Jeffery, Chen Chee Dhang, Lau Koon Weng, Baharudin Omar and Mohd. Sofian-Azirun (2009). Predation on pupa of *Chrysomya rufifacies* (Marquart) (Diptera: Calliphoridae) by parasitoid, *Exoristorbia philippinensis* Ashmead (Hymenoptera: Encyrtidae) and *Ophyra spinigera* larva (Diptera: Muscidae). *Tropical Biomedicine* 26(3): 369-372.
55. Nazni Wasi Ahmad, Anuar Ismail, John Jeffery, Sa'diyah Ibrahim, Azahari Abdul Hadi, Mohd. Noor Ibrahim, Heo CC & Lee Han Lim (2009). Aural myiasis in a neonate in Peninsular Malaysia. *Parasites & Vectors* 2 (63). doi: 10.1186/1756-3305-2-63.
56. Chen, C.D., Lee, H.L., Nazni, W.A., Kavitha, R., Heo, C.C., Sofian-Azirun, M., & Jeffery, J. (2009). Biodiversity of forensically important flies in Malaysia. Proceeding of the Conference on Biodiversity and National Development: Achievement, Opportunity and Challenges. Pp. 192.

57. Heo CC, Mohamed Abdullah Marwi, John Jeffrey & Baharudin Omar (2008). Insect succession on a decomposing piglet carcass placed in a man-made freshwater pond in Malaysia. *Tropical Biomedicine* 25(1): 23-29.
58. Heo CC, Sallehudin Sulaiman & Hidayatul Fathi Othman (2008). The Evaluation of Neopeace®, Neopeace-F101® and Malaysian Assurance Rat Glue® against *Musca domestica* in the Field. *Journal of Tropical Medicine and Parasitology* 31: 1-5.
59. Heo CC, Mohamed Abdullah Marwi, John Jeffrey & Baharudin Omar (2008). Flies specimens collected from Agricultural Park, Teluk Cempedak, and Bukit Pelindung in Kuantan. *Jurnal Sains Kesihatan Malaysia* 6(2): 1-5.
60. Heo CC, Mohamed Abdullah Marwi, John Jeffrey & Baharudin Omar (2008). On the Predation of fly, *Chrysomya rufifacies*, by a spider, *Oxyopes* sp. (Oxyopidae). *Tropical Biomedicine* 25(1): 93-95.
61. Heo CC, Mohamad Abdullah Marwi, John Jeffery, Hiromu Kurahashi and Baharudin Omar (2008). On the occurrence of *Musca domestica* L oviposition activity on pig carcass in Peninsular Malaysia. *Tropical Biomedicine* 25(3): 252-253.
62. Heo CC, Mohamad Abdullah Marwi, Ahmad Firdaud Mohd. Salleh, John Jeffery, Hiromu Kurahashi and Baharudin Omar (2008). Study of insect succession and rate of decomposition on a partially burned pig carcass in an oil palm plantation in Malaysia. *Tropical Biomedicine* 25(3): 202-208.
63. Heo CC, Hiromu Kurahashi, Mohamad Abdullah Marwi, John Jeffery, Zuha R.M., Chen Chee Dhang and Baharudin Omar (2008). A new record of *Bengalia emarginata* (Diptera: Calliphoridae) from Malaysia. *Tropical Biomedicine* 25(3): 262-263.
64. Chen Chee Dhang, Heo CC, Hiromu Kurahashi, Nazni Wasi Ahmad, Mohamed Abdullah Marwi, Lee Han Lim, Baharudin Omar, John Jeffery & Sofian-Azirun (2008). First report of the signal fly, *Scholastes* sp. (Diptera: Platystomatidae) visiting animal carcasses in Malaysia. *Tropical Biomedicine* 25(3): 264-266.
65. Heo CC, Hiromu Kurahashi, Nishida Kazumi, Tan Siew Hwa, Zulqarnain Mohamed, Mohamed Abdullah Marwi, John Jeffery and Baharudin Omar. (2008). A new record of *Fannia prisca* Stein, 1918 (Diptera: Fanniidae) from Peninsular Malaysia. *Tropical Biomedicine* 25(3): 254-256.
66. Chen Chee Dhang, Lee Han Lim, Izzul Amri Azizan, Heo CC, Lau Koon Weng, Andy Tan Wei Ann, Loke Seau Rong and Mohd. Sofian-Azirun (2008). Laboratory study on the efficacy of gel baits containing Imidacloprid and Hydramethylnon

against American cockroach, *Periplaneta americana* (Linnaeus, 1758). *Medicine & Health* 3 (1) Supplement: 236.

67. Heo CC, Mohamed Abdullah Marwi, Ahmad Firdaus Mohamed Salleh, John Jeffrey & Baharudin Omar (2007). A preliminary study of insect succession of a pig carcass in a palm oil plantation in Malaysia. *Tropical Biomedicine* 24(2): 23-27.

BOOK CHAPTERS

1. CC Heo, Naji Arafat Mahat, Aaron M. Tarone & Jeffery K. Tomberlin (2019). Interkingdom Communication between Bacteria and Blow Flies: An Ecological Consideration in Forensic Entomology. In *Scientific Approaches to Crime Scene Investigations*. Editor: Naji Arafat Mahat & Mohamad Afiq Mohamed Huri. UTM Publisher. Malaysia, Pp. 91-144.
2. Nazni WA, Lee HL, Chew WK, Roziah MA, Jeffery J, Heo CC. (2015). History, accomplishments and challenges of forensic entomology in Malaysia. In *Forensic Entomology: International Dimensions and Frontiers*. Editor: J.K. Tomberlin & M.E. Benbow. 1st Edition. CRC Press. USA. Pp. 19-36.

BOOK

1. Nazni WA, Jeffery J, Heo CC, Chew WK, Lee HL. (2011). *Illustrated keys to adult flies of forensic importance in Malaysia*. Bulletin No. 25. Institute for Medical Research. Kuala Lumpur. Malaysia. pp. 1-118. (ISSN: 0127-273X)

COVERS

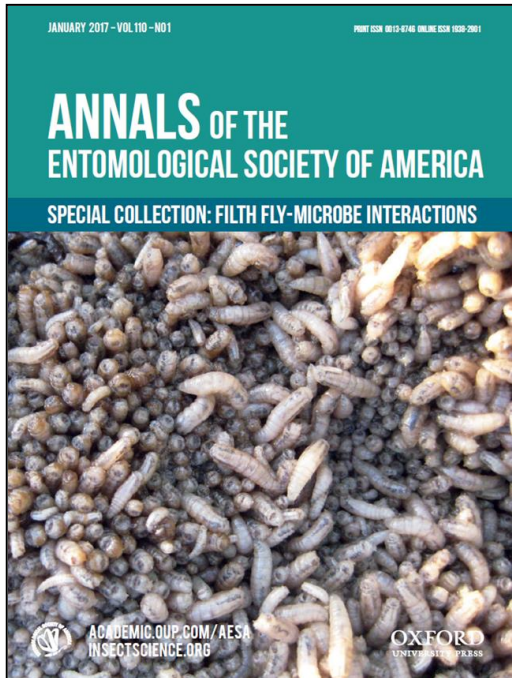


Photo credit: Heo CC (2017).
Annals of the Entomological Society of America (ESA),
 Maryland, USA



Photo credit: Heo CC (2015).
Microbiologist,
 Society for Applied
 Microbiology, London, UK

PUBLICATIONS IN MAGAZINES

1. Heo CC (2020). Kitaran Semulajadi. Dewan Kosmik. Oktober 2020. (In Malay) (Natural Cycles).
2. Heo CC (2020). Mikrobiologi dalam Forensik. Dewan Kosmik. January 2020. (In Malay) (Forensic Microbiology).
3. Heo CC (2019). Kutu Bantu Penyiasatan Kes Forensik. Dewan Kosmik Jun 2019. (In Malay) (Lice in Forensics).
4. Heo CC (2019). Penggunaan Parasit dalam Forensik. Dewan Kosmik 2019. (In Malay) (Parasites in Forensics).
5. Heo CC (2019). Ameba dalam Forensik. Dewan Kosmik 2019. (In Malay) (The Use of Testate Amoeba in Forensics).
6. Heo CC (2019). Nematologi Forensik. Dewan Kosmik. April 2019. (In Malay) (Forensic Nematology).

7. Heo CC (2018). Forensik Botani Kesan Jenayah. Dewan Kosmik. March 2018. (In Malay) (Forensic Botany Detects Crimes).
8. Heo CC (2017). Mikologi Forensik Selesaikan Kes Jenayah. Dewan Kosmik. December 2017. (In Malay) (Forensic Mycology solves Criminal Cases).
9. Heo CC (2017). Mikrobiologi Forensik. Dewan Kosmik. July 2017. (In Malay) (Forensic Microbiology).
10. Heo CC (2017). Virus Zika Bukan Penyakit Baru. Dewan Siswa. July 2017. (In Malay) (Zika Virus is Not a New Disease).
11. Heo CC (2017). Ekologi Penyakit Berjangkit. Dewan Bahasa dan Pustaka. June 2017. (In Malay) (*Infectious Disease Ecology*)
12. Heo CC (2017). Wabak H5N1 Kembali Selepas 10 Tahun. Dewan Bahasa dan Pustaka. May 2017. (In Malay) (*The Return of H5N1 After a Decade*)
13. Heo CC (2017). Pupus. Dewan Bahasa dan Pustaka. March 2017. (In Malay) (*Extinct*).
14. Heo CC (2017). Lalat Hitam dan Onkoserchiasis. Dewan Bahasa dan Pustaka. February 2017. (In Malay) (*Black fly and Onchocerciasis*).
15. Heo CC (2016). Akarologi Forensik. Dewan Kosmik. May 2016 (In Malay) (*Forensic Acarology*)
16. Heo CC (2016). Akari dalam Perubatan dan Veterinari. Submitted to Dewan Kosmik (In Malay) (*Mites of Medical and Veterinary Importance*)
17. Heo CC (2016). Parasit dari Langit. Dewan Kosmik. February 2016. (In Malay) (*Parasites from the sky*)
18. Heo CC (2013). Babi kutu atau sengkenit?. Dewan Bahasa dan Pustaka. Dewan Kosmik. (In Malay) (*Tick?*)
19. Heo CC (2012). Tunggiasis. Dewan Bahasa dan Pustaka. Dewan Kosmik. Februari 2012. Dewan Bahasa dan Pustaka. (In Malay) (*Tunggiasis*).
20. Heo CC (2012). Wabak Semut Kayap. Dewan Kosmik. Januari 2012. Dewan Bahasa dan Pustaka. (In Malay) (*Outbreak of Charlie*).

21. Heo CC (2011). Fossil Hidup yang Masih Mengancam. Dewan Kosmik September 2011. Dewan Bahasa dan Pustaka. (In Malay) (*Threat from the living fossils*).
22. Heo CC (2011). Tungau Penyebab Jerawat. Dewan Kosmik Ogos 2011. Dewan Bahasa dan Pustaka. (In Malay) (*Mites as causative agents for pimples*).
23. Heo CC (2011). Pepijat Pembunuh. Dewan Kosmik Julai 2011. Dewan Bahasa dan Pustaka. (In Malay) (*Assassin bug*).
24. Heo CC (2011). Pepijat Katil. Dewan Kosmik. Jun 2011. Dewan Bahasa dan Pustaka. (In Malay). (*Bed bug*).
25. Heo CC (2011). Infestasi Kutu. Dewan Kosmik. April 2011. Dewan Bahasa dan Pustaka. (In Malay). (*Lice infestation*).
26. Heo CC (2011). Kutu Penghisap Darah. Dewan Kosmik. March 2011. Dewan Bahasa dan Pustaka. (In Malay) (*Lice as blood feeders*).
27. Heo CC (2011). Pembunuh Terkecil di Dunia – Bahagian Akhir. Dewan Kosmik. Februari 2011. Dewan Bahasa dan Pustaka. (In Malay) (*The World Smallest Killer – Part II*)
28. Heo CC (2011). Pembunuh Terkecil di Dunia – Bahagian Pertama. Dewan Kosmik. January 2011. Dewan Bahasa dan Pustaka. (In Malay) (*The World Smallest Killer – Part I*)
29. Heo CC (2010). Serangga Pembawa Bakteria. Dewan Kosmik. Desember 2010. Dewan Bahasa dan Pustaka. (In Malay) (*Insects as bacteria carriers*).
30. Heo CC (2010). Serangga Musuh Semulajadi Manusia. Dewan Kosmik November 2010. Dewan Bahasa dan Pustaka. (In Malay) (*Insects as Human Natural Enemies*)
31. Heo CC (2010). Lalat dalam Forensik – Bahagian Akhir. Dewan Kosmik Oktober 2010. Dewan Bahasa dan Pustaka. (In Malay) (*Flies and Forensic – Part II*)
32. Heo CC (2010). Lalat dalam Forensik – Bahagian Pertama. Dewan Kosmik September 2010. Dewan Bahasa dan Pustaka. (In Malay) (*Flies and Forensic – Part I*)
33. Heo CC (2010). Lalat dan Miasis. Dewan Kosmik August 2010. Dewan Bahasa dan Pustaka. (In Malay) (*Flies and myiasis*)
34. Heo CC (2010). Susyi dan Parasit. Dewan Kosmik Jan 2010. Dewan Bahasa dan Pustaka. pp. 12-13. (In Malay) (*Sushi and parasites*)

35. Heo CC (2008). Lalat dan Rahsia Kematian. *Dewan Kosmik* May 2008. Dewan Bahasa dan Pustaka. pp. 61-64. (In Malay) (*Flies and the death secrets*)
36. Heo CC (2001). Bintang dan Galaksi Kita. *Arussains*. August 2001. (In Malay) (*Star and galaxy*)



Magazine's cover highlighted my article "Forensic Botany Detects Crimes" (Dewan Kosmik, April 2018).

ONLINE TEACHING

1. Heo CC (2017). Forensic Entomology (Active since 2017- March 2019) - <https://www.openlearning.com/courses/forensic-entomology>
2. Heo CC & Jamal H (2018). Forensic Acarology (Active since 2018- March 2019) - <https://www.openlearning.com/courses/forensic-acarology>

GRANTS & FELLOWSHIP

2021 Innovation Fund, Faculty of Medicine, Universiti Teknologi MARA ~USD 742 (RM 3,000)

2021	LESTARI Research Grant, Universiti Teknologi MARA	~USD 4,900 (RM 20,000)
2020	Recipient of the KOPRI Asian Polar Science Fellowship Program 2020	Fully sponsored to KOPRI, Incheon, South Korea up to 3 months
2020	Dinamik-Postdoc Grant, Universiti Teknologi MARA	~USD 33,800 (RM 136,800)
2020	Bernhard-Noth Institute of Tropical Medicine (BNITM)- International Grant	~USD 9,300 (RM 37,847)
2020	Malaysian Society of Parasitology and Tropical Medicine (MSPTM)- Community Fund	~USD 1,200 (RM 5,000)
2019	Bernhard-Noth Institute of Tropical Medicine (BNITM)- International Grant	~USD 4,400 (RM 18,000)
2019	Betsol Sdn. Bhd. (Industrial Grant)- Terminated on December 2020	~USD 37,921 (RM 159,000)
2019	LESTARI Research Grant, Universiti Teknologi MARA	~USD 7,400 (RM 30,000)
2018	Sultan Mizan Antarctica Research Foundation (Private Grant)	~USD 35,000 (RM 150,000)
2018	Trans-disciplinary Research Grant Scheme, Ministry of Education, Malaysia	~USD 61,575 (RM 257,850)
2018	Bernhard-Noth Institute of Tropical Medicine (BNITM)- International Grant	~USD 2,400 (RM 10,500)
2018	Fundamental Research Grant Scheme (FRGS), Ministry of Education, Malaysia	~USD 17,313 (RM 72,500)
2017	LESTARI Research Grant, Universiti Teknologi MARA	~USD 5,000 (RM 20,000)

2012	Academic Staff Scholarship (PhD), Ministry of Education, Government of Malaysia	
2011	Excellent Research Fund, Research Management Institute (RMI), Universiti Teknologi MARA. “The importance of habitat and its implication of forensic entomology in Malaysia”	~USD 3,000
2011	Travel Allowance, Department of Parasitology, Swedish University of Agricultural Sciences for an attachment in SVA and SLU, Uppsala, Sweden	~USD 1,000
2010	Excellent Research Fund, Research Management Institute (RMI), Universiti Teknologi MARA.	~USD 1,400 (RM 6,000)
2009	Travel Grant, Lee Foundation State of Malaya	USD 1,200 (RM 3,600)

HONORS, DISTINCTIONS & AWARDS

2020	Excellent Service Award. Universiti Teknologi MARA for 2019 (21 Dec 2020). Cash prize ~USD 300.
2019	Most Innovations Award. Universiti Teknologi MARA, Selangor, Malaysia (2 May 2019)
2018	Nadchatram Medal. Malaysian Society of Parasitology and Tropical Medicine (MSPTM), Bangsar South, Kuala Lumpur, Malaysia (14 March 2018).
2017	John Henry Comstock Graduate Student Award. Entomological Society of America. Denver, Colorado. USA (5-8 November 2017)
2016	Perdana Scholar Award (Research, Innovation & Publication). Education Malaysia. Embassy of Malaysia, Washington DC. (5 November 2016)
2015	MUVE Scholarship Recipient, Entomological Society of America (ESA) (16 November 2015). Cash prize USD 500.
2015	First Place for Outstanding Presentation in Research- 18 th Annual Graduate Student Forum. Department of Entomology, Texas A&M University (27 August 2015). Cash prize USD 250.
2015	First Place among Graduate Researcher (Plant Science, Animal Science, Wildlife & Fisheries Science, Entomology, Agriculture, Ecological

Restoration). Student Research Week 2015. Texas A&M University (27 March 2015). Cash Prize USD 500.

2015 Winner for the Vice President Award for Research Excellent. Student Research Week 2015. Texas A&M University (27 March 2015). Cash prize USD 1000.

2011 Excellent Service Award. Universiti Teknologi MARA for 2010 (21 Dec 2011). Cash prize ~USD 300.

NEW SPECIES DISCOVERY

2020 *Musca khofarae* Kurahashi & Heo

PATENTS AND COPYRIGHTS

Patents

1. An insulated container for forensic entomology (Filing No: PI2017702814) - Submitted to Intellectual Property Corporation of Malaysia.
2. An apparatus for processing insect specimens (Filing No: PI2017703042) - Submitted at Intellectual Property Corporation of Malaysia.

Utility Innovations

1. An apparatus for collecting and killing a flying arthropod (Filing No: UI2018704029) - Submitted to Intellectual Property Corporation of Malaysia.
2. An apparatus for collecting and isolating a particulate (Filing No: UI 2018704050) - Submitted to Intellectual Property Corporation of Malaysia.
3. A comb for collecting ectoparasite (Filing No: UI 2018704157) - Submitted to Intellectual Property Corporation of Malaysia.
4. An apparatus for storing and organizing tool (Filing No: UI 2018704130) - Submitted to Intellectual Property Corporation of Malaysia.

Copyrights

Total copyrights in application: 22 (submitted to Intellectual Property Corporation of Malaysia).

RESEARCH ACHIEVEMENTS

- 2010 **Silver Medal**
Chen, C.D., Nazni W.A., Ramli, R., Lee, H.L., Lau, K.W., Jeffery, J., **Heo, C.C.** and Sofian-Azirun, M. *Delayed post mortem interval estimation on carrions treated with insecticide*. Expo Research, Creative & Inovation University Malaya 2010 (1-3 April 2010)
- 2009 **Bronze Medal**
Chen Chee Dhang, Nazni Wasi Ahmad, Lee Han Lim, John Jeffery, **Heo CC**, Lau Koon Weng, Abdullah Ghani & Mohd. Sofian-Azirun (2009). *First study on the fauna succession on monkey carrions placed indoor in forested area in Malaysia*. Research Expo 2009 University of Malaya (13-15 Jan 2009)

INNOVATION ACHIEVEMENTS

1. **Bronze Medal**
Drone for Urban Pest Control Industry
Innovation Competition Day
Faculty of Medicine, Universiti Teknologi MARA (17 July 2019)
2. **Bronze Medal**
IIDEX 2018
Universiti Teknologi MARA, Shah Alam (24 September 2018).
3. **Gold Medal**
UiTM MOOC – *Forensic Acarology*
National e-Content Development Competition. Institute of Neo Education (iNED),
Universiti Teknologi MARA, Shah Alam (28 August 2018).
4. **Gold Medal**
Junior Scientist Day 2018- Crime Scene Investigations (CSI) program
1st Digitalised International Invention, Innovation and Design Competitions (IID),
UiTM Johor (Category Science & Technology) (10 August 2018).
5. **Gold Medal**
Innovative Tools in Biological Sample Collection
Innovation Competition Day
Faculty of Medicine, Universiti Teknologi MARA (25 July 2018)
6. **Gold Medal**
UiTM MOOC – *Forensic Entomology*

National e-Content Development Competition. Institute of Neo Education (iNED), Universiti Teknologi MARA, Shah Alam (15 August 2017).

7. 1 Gold Medal & 3 Silver Medals

International Congress of Clinical and Health Sciences 2017
Universiti Teknologi MARA Sungai Buloh Campus (1-2 Nov 2017).

8. 2 Silver Medals & 2 Bronze Medals

IIDEX 2017
Universiti Teknologi MARA, Shah Alam (26 September 2017).

TEACHING ACHIEVEMENTS

1. **Gold Award** (Total Publication Per Lecturer for the Pre-Clinical Category)-
Discipline of Parasitology, Faculty of Medicine, Universiti Teknologi MARA (26 September 2018)
2. **Silver Award** (Total Publication Per Lecturer for the Pre-Clinical Category)-
Discipline of Parasitology, Faculty of Medicine, Universiti Teknologi MARA (12 April 2017)

ACADEMIC ACHIEVEMENTS (UNDERGRADUATE)

1. Dean List recipient for Semester 2/2004 - B.Biomed.Sc (Hons.)
2. Dean List recipient for Semester 6/2006 - B.Biomed. Sc (Hons.)

TEACHING AND SUPERVISION

Current Students

Postdoctoral Scholar

1. Dr. Tania Ivorra
The Application of Aquatic Insects in Forensic Investigations in Malaysia
(Supervisor).
March 2020- February 2022.

PhD Candidate

1. Sarabjit Singh (Faculty of Medicine, Universiti Teknologi MARA)

- The Impact of Carrion Decomposition on Soil Arthropods, Soil Nematodes and Physicochemical Parameters of Soil Beneath and Around Rabbit Carcasses (Supervisor).
September 2018 - On-Going.
2. Nur Adilla Zaini (Faculty of Medicine, Universiti Teknologi MARA)
Necrobiome Community Structure and Soil Chemistry Profiles Associated with Penguin Carcasses and its Correlation with Bone Density under Antarctica Climate (Supervisor).
February 2020 - On-Going.
 3. Nurul Azmiera binti Zamri (Faculty of Medicine, Universiti Teknologi MARA)
The Characterization of Antimicrobial Peptides from Black Soldier Fly Larvae, *Hermetia illucens* (L.) (Diptera: Stratiomyidae) (Supervisor).
March 2020 -On-Going.

Master Candidate

1. Nur Aliah Natasha binti Azmi (Faculty of Medicine, Universiti Teknologi MARA)
Correlation of Insect Hormonal Levels in Maggot and the Time of Death: A Novel Tool in Forensic Entomology (Supervisor).
March 2019 - February 2021.
2. Abdul Rahman Kazim bin Azli (Faculty of Medicine, Universiti Teknologi MARA)
Geographical mapping and ecological modelling of emerging tick-borne pathogens from farm animals in peninsular Malaysia for outbreak prevention.
March 2020 - February 2022.

Graduated Students

Master Candidates

1. Nur Amalina binti Omar (Faculty of Science, Universiti Teknologi Malaysia)
Influence of probiotic on the oviposition and completion of life cycle of *Chrysomya megacephala* and *Chrysomya rufifacies* infesting rabbit carcasses (Co-supervisor)
Session 2016/2017 (Graduated).
2. Nurul Azmiera binti Zamri (Faculty of Medicine, Universiti Teknologi MARA)
Mites associated with decomposing rabbit carcasses in Malaysia (Supervisor).
November 2017 - October 2019 (Graduated).

Research Assistant

1. Crystal Lee Pooi Yee (Faculty of Medicine, Universiti Teknologi MARA). Isolation and Identification of Variegated Squirrel Bornavirus 1 in Malaysia. 1 December 2020 - 31 May 2021.
2. Shahirah Nadiah Syed Idrus (Faculty of Medicine, Universiti Teknologi MARA) - Geographical mapping of emerging tick-borne pathogens in peninsular Malaysia. 1 April 2019 - 30 September 2019.

Undergraduate Students for Research Credit Hours (Texas A&M University, USA):

1. Michael Banfield (Forensic Science Major - Sophomore)- Summer 2013 & 2014
2. Stephanie Thornton (Microbiology Major Sophomore)- Summer 2013 & 2014
3. Caitlin Evers (Forensic Science Major Senior)- Summer 2013
4. Aaron Guererro (Forensic Science Major Junior)- Summer 2014
5. Jocelyne Soh (Bioenvironmental Science Junior)- Summer 2014
6. Adrianna Tirloni (Forensic Science Major Junior)- Spring 2015 & Summer 2015
7. Katherina Kang (Forensic Science Major Junior)- Spring 2015
8. Loren Williams (Forensic Science Major Junior)- Summer 2015
9. Yaziri Gonzales (Entomology, Senior)- Fall 2015
10. Lauren Fann (Forensic Senior)- Fall 2015

Undergraduate Dissertations:

1. Nur Aliah Natasha binti Azmi (2018). Assessment of Morphological Changes and Age Estimation of Blow Fly using Micro Computed Tomography. Faculty of Health Sciences, Universiti Teknologi MARA, Puncak Alam Campus, Malaysia (Co-Supervisor).
2. Ester Brau (2017). The Dynamic of Soil Phosphate Associated With Decomposing Rat Carcasses and Its Relationship With Postmortem Interval: a Preliminary Study. Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Malaysia (Co-Supervisor).
3. Norazira Najwa Binti Shamsudin (2017). The Relationship between Soil Nitrate Concentration and the Time of Death: a Preliminary Study on Decomposing

- Sprague Dawley Carcasses. Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Malaysia (Co- Supervisor).
4. Nuratiqah Husna Bt Jalaludin (2017). Soil Ammonium Dynamics and Relations With Time of Death Under Tropical Condition: a Preliminary Study Using Decomposing Rat Carcasses. Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Malaysia (Co- Supervisor).
 5. Siti Aisyah binti Silahuddin (2012). Ecology of decomposition on rabbit carcasses and its implications in forensic entomology. Advance Medical Science (AMS) Project. Faculty of Medicine, Universiti Teknologi MARA, Malaysia (Supervisor).
 6. Siti Nuraini Filza binti Sahifulddin (2010). Effect of paracetamol on the growth of *Chrysomya* larvae. Final Year Thesis. Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. (Co-supervisor).

Undergraduate Elective Projects:

1. Ahmad Saiful Ridzuan Bin Shaik Anuar, Alia Madihah Binti Mohamad, Nur Malisya Hanees Binti Mazlan, Nurul Aisyah Binti Yalalussuti. Does Forensic Entomology Reliable in Determining the Time of Death? (July-August 2021) (Supervisor).
2. Siti Nur Fadhilah Hanifah, Muhammad Adli Syahmi Ashraf Alisha, Nur Adlin Akmal Misman, Muhammad Al Saifi Mohd Zafi. The tale of a zombie ant: How virus infection changes their diet preferences. Laboratory of Urban Pestology, Research Institute for Sustainable Humanosphere, Kyoto University, Japan (6 July- 7 August 2020) (Supervisor; Co-supervised by Dr. Scotty Yang Chin-Cheng).
3. Ahmad Tarmizi Mohd Noor, Sharifah Nur Syuhada Syeid Aminullah Ismail, Tengku Nur A'ishah Putri Tengku Zulkifly, Najwa Zulaika Mohd Ali, Fatin Syazwani Ramlan. Plastic-eating caterpillars. Faculty of Medicine, Universiti Teknologi MARA (6 July - 7 August 2019) (Supervisor).
4. Irfan Danish Mohammad Azam, Nor Adibah Abd Rafiq, Muhammad Ziyad Muhammad Zakir, Puteri Ainurdeena Megat Ainuddin. Observational study on maggot debridement therapy (MDT). Faculty of Medicine, Universiti Teknologi MARA (6 July - 7 August 2019) (Co-Supervisor).
5. Muhammad Hisham bin Rusli, Laila Najihah binti Rudialfian, Marsya binti Mohamed Affendy. Insects as Future Food. Faculty of Medicine, Universiti Teknologi MARA (8 July - 2 August 2019) (Supervisor).

6. Muhammad Faiq bin Fauzi, Alya Narisha binti Mohammad Zamri, Siti Aisyah Mokhtar. Comparative Study on Fly Species between Lowland and Highland's Bovine Farms. Faculty of Medicine, Universiti Teknologi MARA (8 July - 2 August 2019) (Supervisor).
7. Mohammad Umar kamarun Nisham, Nur Haneem Raihanah Rosley, Amna Anu Na'aim, Farah Farisha Ramilan. Tick-borne pathogens in ticks collected from peninsular Malaysia. Bernhard Nocht Institute of Tropical Medicine, Hamburg, Germany (Co-Supervisor).
8. Nurazwa Eleena Binti Ab.rahman, `arifah Binti Marzuki, Nurul Iman Binti Muhammad Luttfi, Siti Nur Khalida Atikah Binti Harun, Kei Adam Bin Eizo Kurata. Prevalence of Acari in Universiti Teknologi Mara (UiTM) Sungai Buloh Residential Colleges. Faculty of Medicine, Universiti Teknologi MARA (16 July - 10 August 2017) (Supervisor).
9. Ariff Fikry Bin Ramli, Nur Athirah Binti Muhammad Hisham, Radin Nurazilah Binti Radin Abd Halim, Anissah Farhani Binti Amiruddin, Aisyatie Radhiah Binti Mohd Sopian. A Biodiversity Study of Coprophilic Dipterans Associated with Elephant's Dung. Faculty of Medicine, Universiti Teknologi MARA (10 July - 4 August 2017) (Supervisor).
10. Nuralifa Sahira Binti Roslim, Nur Eliana Riqma Binti Abdullah, Randee Elbobby Stephen, Hasifah Binti Hasbollah, Nurul Syazwina Binti Muhamad Azhar. Ticks and Lice Associated with Cattle in Peninsular Malaysia. Faculty of Medicine, Universiti Teknologi MARA (10 July - 4 August 2017) (Supervisor).
11. Anis Fatinah binti Ab. Aziz, Nurliyana binti Baharuddin, Siti Aisyah binti Silahuddin, Siti Murni Fitri binti Mohd Shukor, Zulihairi bin Zulkiffli. Forensic Entomology at a Glance. Attached to Nicholas Copernicus University, Torun, Poland. Faculty of Medicine, Universiti Teknologi MARA (4- 19 June 2011) (Co-supervisor).
12. Adibah Shaharul, Summayah, Khairul Bahreah. Listen to Your Heart. Attached to the University of Tokyo Hospital, Japan (23 May - 10 June 2011) (Supervisor)
13. Umairah Mokhtar, Muhammad Zikri Ab. Aziz, Nor Azril Abdul Azmi, Nurul Shameen Abdul Rashid, Syarina Halim. Biodiversity of medically and forensically important flies (Insecta: Diptera) in UiTM Malaysia, Selangor. Faculty of Medicine, Universiti Teknologi MARA (24 May- 14 June 2010) (Supervisor).
14. Muhammad Wafiuddin Ahmad, Farah Hanis Yusuf, Noor Adilah Mohamad Akram, Rozana Abdul Karim, Roslind Ismail. A preliminary survey of mosquito

biodiversity in Shah Alam, Selangor, Malaysia. Faculty of Medicine, Universiti Teknologi MARA (24 May- 14 June 2010) (Supervisor).

Industrial Training Students:

1. Nurul Ain Syafika (2020). Faculty of Sciences, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia (Supervisor).
2. Safeah Idris (2020). Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Malaysia (Supervisor).
3. Noorul Insyirah Shaharudin (2019). Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Malaysia (Supervisor).
4. Amir Imran bin Faisal Hamdi (2019). Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Malaysia (Supervisor).
5. Farrah Hazwani binti Mohamed (2019). Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Malaysia (Supervisor).
6. Raja Izzah Nadzirah binti Raja Othman (2019). Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Malaysia (Supervisor).
7. Ester Brau (2017). Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Malaysia (Co- Supervisor).
8. Norazira Najwa Binti Shamsudin (2017). Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Malaysia (Co- Supervisor).
9. Nuratiqah Husna Bt Jalaludin (2017). Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Malaysia (Co- Supervisor).
10. Nittawan Kaewbaingam (2017). University of Phayao, Thailand (Co-Supervisor).
11. Mohd. Shahirul Md. Isa (2017). Biodiversity of necrophilic Diptera at mountainous area in Peninsular Malaysia. Universiti Teknologi MARA, Shah Alam, Malaysia. (Supervisor).
12. Nurul Syameem Zainal (2017). The diversity of forensically important mites (Arachnida: Acari) associated with cattle's liver in Malaysia. Universiti Teknologi MARA, Shah Alam, Malaysia. (Supervisor).

13. Putri Nabihah Abdul Khofar (2017). The diversity of coprophilic dipteral associated with buffalo dung in Malaysia. Universiti Teknologi MARA, Shah Alam, Malaysia. (Supervisor).
14. Teo Bee Shien (2009). Egg morphology and structures of forensically important flies in Malaysia. Institute for Medical Research, Kuala Lumpur, Malaysia. Industrial Training Report. (Co-supervisor).
15. Aruna Devi d/o Arumugam (2009). The preliminary study on life cycle of forensically important fly, *Boettcherisca peregrina* (Diptera: Sarcophagidae) and *Hemipyrellia tagaliana* (Diptera: Calliphoridae) in Malaysia. Institute for Medical Research, Kuala Lumpur, Malaysia. Industrial Training Report. (Co-supervisor).
16. Farah Hasbolah (2009). The preliminary study on faunal succession on dead mice placed in the fourth-floor building in Fletcher Road, Kuala Lumpur, Malaysia. Institute for Medical Research, Kuala Lumpur, Malaysia. Industrial Training Report. (Co-supervisor).
17. Lukman Aliff (2009). The life cycle of the scuttle fly, *Megaselia scalaris* (Diptera: Phoridae). Institute for Medical Research, Kuala Lumpur, Malaysia. Industrial Training Report. (Co-supervisor).

EXTERNAL EXAMINERS

Bachelor Candidate

1. Dewitt Aristotle Payus (2019). Somatic mutation and recombination test in *Megaselia scalaris* (Diptera: Phoridae). National University of Malaysia, Kuala Lumpur, Malaysia.
2. Ashok Bhagwan Ranai (2017). Molecular profiling of *Spirometra* spp. and their phylogeny found in Chinese edible frogs in Malaysia. International Medical University, Bukit Jalil, Kuala Lumpur, Malaysia.

Master Candidate

1. Nur Ayuni Dayana binti Mohd Puaad (2020). Geometric morphometrics analysis of wing venation for identification of selected forensically important flies. University of Malaya, Kuala Lumpur, Malaysia.
2. Nurul Huda Nordin (2019). Successional and developmental patterns of necrophagous insects infesting rabbit carcasses decomposing in various habitats in Kuching, Sarawak. Universiti Teknologi Malaysia, Johor Bahru, Malaysia.

3. Amelia Yap Zheng Hua (2018). Efficacy assessment of commercial mosquito coils and associated Pyrethroid resistance mechanisms in the dengue vector *Aedes aegypti* in Indonesia. University of Malaya, Kuala Lumpur, Malaysia.
4. Ivy Eddie (2017). A study of forensically important insects from animal carcasses and human corpses of Sabah. University Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia.

ROLES IN UNIVERSITY

1. Guest Editor- Journal of Clinical and Health Sciences (Special Issue)
Nov 2020 – June 2021
2. Member- Faculty of Medicine (Conference Committee)
2020-2022
3. Member- Faculty of Medicine (Biomedical Committee)
2020-2022
4. Member- Faculty of Medicine (Postgraduate Committee)
2020-2022
5. Member – Faculty of Medicine Research Task Force
2019-2021
6. Committee Member – Creative and Innovative Group
2017-2019
7. Developer and Committee Member- Massive Open Online Courses (MOOC)
April- December 2017 / April – December 2018.
8. Scientific Committee - IMMB Junior Scientist Day
July- November 2017.
9. Academic Editor- Journal of Clinical and Health Sciences
August 2017- August 2018.
10. Committee Member – Student Feedback Online (SuFO)
April 2017 – April 2018.
11. Facilitator – Management, Leadership & Research Camp for Year 3 UiTM Medical Students
20-22 July 2017.

12. Gastrointestinal Module Coordinator
MBBS Year 2, Faculty of Medicine, Universiti Teknologi MARA (UiTM), Shah Alam - 1 September 2011.

PROFESSIONAL DEVELOPMENT TRAININGS

1. Fieldwork Expedition to King Sejong Station, Barton Peninsula, King George Island, Antarctica. Korean Polar Research Institute (KOPRI). (16 December 2019- 6 January 2020). Collaborators: Dr. Hong Soongyu and Dr. Lee Wonyoung.
2. Attachment to International Department of Dipterology (IDD), Hikawadai 1-2-21, Higashikurume City, Tokyo 203-0004 Japan. Supervised by Dr. Hiromu Kurahashi (4 - 6 September 2018).
3. Visit to Smithsonian Institute (Diptera) hosted by Dr. Torsten Dikow, Washington D.C., USA (4 Nov 2016).
4. Attachment in Dr. Barry O'Connor's laboratory, Museum of Zoology, University of Michigan, Ann Arbor, Michigan, USA (1-4 December 2015).
5. Attachment in the Department of Parasitology, Swedish University of Agricultural Sciences (SLU), National Institute of Veterinary (SVA) and Museum of Evolution, Uppsala University. Uppsala, Sweden (14 - 31 January 2011).
6. Attachment to International Department of Dipterology (IDD), Hikawadai 1-2-21, Higashikurume City, Tokyo 203-0004 Japan. Supervised by Dr. Hiromu Kurahashi (15 April-22 April 2009).
7. Observed autopsies and collected forensic entomology specimens from human cadaver at Hospital Universiti Kebangsaan Malaysia (HUKM) (November 2007).
8. Medical Laboratory Trainee in Gribbles Pathology, Malaysia (March to May 2006).
9. Medical Laboratory Trainee in Gribbles Pathology, Malaysia (March to May 2005).

PROFESSIONAL SERVICE

Forensic Entomology Caseworks:

1. Assisting in forensic entomology casework at the Institute for Medical Research, Kuala Lumpur, Malaysia (2009 - present)

2. Assisting in forensic entomology casework in Texas, USA (2012-2016)
No. of case involved: 11
3. Personal case work: 7

Medical Laboratory Diagnostic Services:

1. Ova & Cyst
2. Blood Film Malaria Parasites

Consultancy:

1. Malaysian Biodiversity Information System (MyBIS) – Expert
(<https://www.mybis.gov.my/exp/699>)
2. Mosquito Larvicide Testing: Completed.

Manuscript Reviews:

Entomological Research (1), Medical Devices: Evidence and Research (1), Agricultural Science Research Journal (2), Asia Pacific Journal of Molecular Biology & Biotechnology (1), African Journal of Environmental Science and Technology (1), Science Journal of Medicine & Clinical Trial (1), Tropical Biomedicine (16), Journal of Forensic Research and Crime Studies (1), Journal of Venomous Animals and Toxins including Tropical Diseases Research (1), Journal of Biochemical, Biopharmaceutical and Biomedical Sciences (1), Journal of Veterinary Medicine and Research(1). Cutaneous and Ocular Toxicology (1). SpringerPlus (1), Veterinary Research Forum (1), Annals of the Entomological Society of America (1), Malaysian Journal of Health Sciences (1), Acta Tropica (2), Asian Myrmecology (1). Journal of Medical Entomology (3), Tropical Life Science Research (2), Journal of Clinical and Health Sciences (1), Malaysian Applied Biology Journal (1), Journal of Sustainability Science and Management (1), Journal of Threatened Taxa (1), Vector-Borne and Zoonotic Diseases (1), Malaysian Journal of Analytical Sciences (1), WAAVP Guideline for Veterinary Importance Arthropods (1) Journal of Clinical and Health Sciences (1), Forensic Sciences Research (1), Serangga (1), Archives of Case Reports (1), Maejo International Journal of Science and Technology (1), Journal of Animal Ecology (1), Parasites & Vectors (2), Asia Pacific Journal of Tropical Medicine (1), Environmental Entomology (2), Journal of Insects as Food and Feed (1), Drug Development and Industrial Pharmacy (1).

Role in Conferences:

1. **Chairperson**

Breakout 2: Tropical Infectious Diseases. 55th Annual Scientific Seminar of Malaysian Society of Parasitology and Tropical Medicine, InterContinental Hotel, Kuala Lumpur, Malaysia (13-14 March 2019).

2. Co-Chair

Food & Waterborne Parasites. 26th International Conference of the World Association for the Advancement of Veterinary Parasitology (WAAVP). In Conjunction with 53rd Malaysian Society of Parasitology & Tropical Medicine (MSPTM). Kuala Lumpur Convention Center, Malaysia (6 September 2017).

3. Chairperson

Breakout 4: Medical Zoology. 54th Annual Scientific Seminar of Malaysian Society of Parasitology and Tropical Medicine, Connexion Conference & Event Center, Bangsar South, Malaysia (14-15 March 2018).

4. Chairperson

Oral Session 4: Entomology. 47th Annual Scientific Conference of Malaysian Society of Parasitology and Tropical Medicine. IMU Bukit Jalil, Kuala Lumpur, Malaysia (3-4 March 2011).

Invited Speaker

1. **Heo CC (2020)**. Searching for Dead Penguins in Antarctica: My Research Experience. Stay Safe Online- Uitm Research Live Webinar Series 2.0 (1 June 2020)- via Google Meet.
2. **Heo CC (2020)**. The ecology of decomposition: How do penguins decompose in Antarctica? Department of Biomedical Imaging & University of Malaya Research Imaging Centre, University of Malaya (29 May 2020)- via Zoom.
3. **Heo CC (2020)**. Carrion Ecology and Forensic Entomology: Current Research and its Future. Department of Parasitology, Faculty of Medicine, Universiti Malaya (26 February 2020).
4. **Heo CC (2019)**. The world of insects. Meet the Expert Program 2019. Petrosains, The Discovery Center, Kuala Lumpur Convention Center (KLCC) (3 November 2019).
5. **Heo CC (2019)**. The role of forensic entomology in investigating sexual assault cases. Auditorium, Hospital Selayang, Malaysia (1 November 2019).
6. **Heo CC (2019)**. The biodiversity of medical, veterinary and forensic importance flies in Malaysia. Pocket Talk: Malaysia Biodiversity. Interactive Gallery Bukit Nanas, KL Forest EcoPark, Kuala Lumpur (11 September 2019).

7. Heo CC (2019). Introduction to the Biology and Ecology of Flies in Malaysia. Pest Control Association of Malaysia (PCAM), Kuala Lumpur, Malaysia (31 July 2019).
8. Heo CC (2019). Forensic Entomology in Malaysia: Opportunities for Service Expansion. 2019 Annual Scientific Meeting of College of Pathologists. Academy of Medicine of Malaysia. Riverside Majestic Hotel, Kuching, Sarawak, Malaysian Borneo (27-28 June 2019).
9. Heo CC (2019). Innovation in the management of sewer flies and moth flies. Singapore Pest Management Association Forum, Orchid Country Club, Singapore (24-25 April 2019).
10. Heo CC (2018). How to write literature review. Postgraduate Workshop. Institute for Pathology, Laboratory and Forensic Medicine (IPPerForM), Universiti Teknologi MARA, Sungai Buloh Campus (8 October 2018).
11. Heo CC (2018). How to increase your visibility as a researcher? Scientific Writing Workshop. Institute for Pathology, Laboratory and Forensic Medicine (IPPerForM), Universiti Teknologi MARA, Sungai Buloh Campus (1 August 2018).
12. Heo CC (2018). Tropical Entomology: Not always about vectors but sometimes about forensics. Bernhard-Noth Institute for Tropical Medicine, Hamburg, Germany (24 April 2018).
13. Heo CC (2018). Introduction to Forensic Entomology. Tunku Abdul Rahman University College. Kuala Lumpur, Malaysia (27 March 2018).
14. Heo CC (2017). Microbes, Arthropods and Soil Chemistry Dynamics associated with Delayed Carrion Decomposition. Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam Campus, Selangor, Malaysia (11 October 2017).
15. Heo CC & Tomberlin JK (2017). Arthropod, microbes, and soil chemistry dynamics associated with delayed carrion decomposition: implications to public health. 26th International Conference of the World Association for the Advancement of Veterinary Parasitology (WAAVP). In Conjunction with 53rd Malaysian Society of Parasitology & Tropical Medicine (MSPTM). Kuala Lumpur Convention Center, Malaysia (5 September 2017).
16. Heo CC (2016). Ecology of delayed blow fly colonization on carrion. Forensic and Investigative Sciences (FIVS 415). Texas A&M University, USA (12 April 2016).
17. Heo CC (2016). Sensitivity of arthropod and microbial communities associated with vertebrate carrion in response to delayed blow fly colonization. Ecology and

- Evolutionary Biology (EEB) Student Seminar. Memorial Student Center 2405, Texas A&M University, USA (22 February 2016).
18. Heo CC (2016). Ecosystem resilience of carrion experiencing delayed Diptera colonization. Graduate Student Recognition & Award Seminar. Department of Entomology, Texas A&M University, USA (18 February 2016).
 19. Heo CC (2015). Calculating Time of Colonization. Presented at Texas Wesleyan University, Fort Worth, Texas, USA. (24 October 2015).
 20. Heo CC, Adrianna Tirloni, Loren Williams (2015). *Entomology*. Youth Adventure Program (YAP)- Investigative Forensic Science. (30 July 2015).
 21. Heo CC (2015). Estimating insect growth. Presented at the Body Farm, Texas State University, San Marcos, Texas, USA (8 June 2015).
 22. Heo CC (2015). *Introduction to forensic entomology*. Presented at Texas Wesleyan University, Fort Worth, Texas, USA. (18 March 2015).
 23. Heo CC (2015). Forensic Entomology: Research & Career Opportunity. Aggie Forensic Investigative Science Organization. Texas A&M University, Texas, USA (10 March 2015).
 24. Heo CC (2015). Invited Speaker on Guest Lecture for One Health Learning Community. Kleberg Building, Room 123, Department of Animal Sciences, Texas A&M University, College Station, TX, USA (19 February 2015).
 25. Heo CC (2013). *What is entomology?* Presented at Texas Wesleyan University, Fort Worth, Texas, USA. (19 October 2013)
 26. Heo CC (2012). *What is entomology?* Presented at Texas Wesleyan University, Fort Worth, Texas, USA. (2 April 2013)

Conference Organizing Committee:

1. Chairperson- MSPTM Mid-Year Seminar 2019. Entomology & Justice: What Else Can Flies Tell About Death?. Universiti Teknologi MARA, Sungai Buloh Campus, Selangor, Malaysia (26 July 2019).
2. Scientific Chair and Conference Secretariat- 55th Annual Scientific Conference of Malaysian Society of Parasitology and Tropical Medicine, InterContinental Hotel, Kuala Lumpur, Malaysia (14-15 March 2019).

3. Conference Secretary- Joint International Conference of the Malaysian Society of Parasitology and Tropical Medicine & The Malaysian Society of Molecular Biology and Biotechnology (20-21 March 2019).
4. Publicity Committee- Seminar on Parasitic Infection in East Coast Malaysia: Current Status on Prevalence, Diagnosis, Management and Related Issues. Institute for Research in Molecular Medicine (INFORMM), USM Kubang Kerian, Kelantan, Malaysia (1 Oct 2018)
5. Marketing Chair - 54th Annual Scientific Seminar of Malaysian Society of Parasitology and Tropical Medicine, Connexion Conference & Event Center, Bangsar South, Malaysia (14-15 March 2018).
6. Scientific Committee cum Secretary - International Congress on Forensic Medicine and Science. National Library, Kuala Lumpur, Malaysia. 23-25 October 2017.
7. Scientific Committee- 26th International Conference of the World Association for the Advancement of Veterinary Parasitology (WAAVP). In Conjunction with 53rd Malaysian Society of Parasitology & Tropical Medicine (MSPTM). Kuala Lumpur Convention Center, Malaysia. 4-8 September 2017.
8. Committee Member- 17th Ecological Integration Symposium. Texas A&M University. 31st March-1st April 2016.
9. Committee Member -National Course on Management of Arthropods and Snake Bites in Humans and Animals. Parasitology Discipline, Faculty of Medicine, Universiti Teknologi MARA. 28-29 February 2012.
10. Secretary. 1/2 -Day Seminar on World Perspective of Pentastomiasis and Echinococcosis. Faculty of Medicine, Universiti Teknologi MARA, Selangor, Malaysia. 7th March 2012.
11. Treasurer. 48th Annual Scientific Conference of the Malaysian Society of Parasitology and Tropical Medicine, Grand Seasons Hotel, Malaysia (27-28 March 2012).
12. Scientific Committee - 47th Annual Scientific Seminar Malaysian Society of Parasitology and Tropical Medicine. Climate Change and Its Impact on Public Health. International Medical University (IMU) Bukit Jalil, Kuala Lumpur, Malaysia. 3th - 4th March 2011.
13. Organizing Committee (Secretary) - Forensic Entomology and Its Implications in Medicine. Faculty of Medicine, Universiti Teknologi MARA (UiTM). 5th July 2011.

14. Scientific Committee - First Malaysian Association of Forensic Entomology Scientific Meeting. Institute for Medical Research, Kuala Lumpur, Malaysia 6 July 2011.
15. Committee Member - Workshop on Identification of Medically Important Mosquitoes in Malaysia. Faculty of Medicine, Universiti Teknologi MARA. 17th Nov 2011.
16. Secretary and secretariat - 46th Annual Scientific Conference by Malaysian Society of Parasitology and Tropical Medicine, Grand Season Hotel, Malaysia (24-25 March 2010).
17. Secretariat- 3rd Workshop in Practical Medical Parasitology. MPG 7, Level 7, Tower 1, Science and Technology Complex, Faculty of Medicine, Universiti Teknologi MARA (UiTM) Shah Alam. 24-25 November 2010.
18. Honorary Secretary- First National Forensic Entomology Workshop. Malaysian Society of Parasitology & Tropical Medicine. In collaboration with Medical Entomology Unit, Institute for Medical Research, Kuala Lumpur. 11-12 March 2009.
19. Technical & Photographer -45th Annual Scientific Seminar Malaysian Society of Parasitology and Tropical Medicine. Impact of Animal Hosts on Disease Transmission and Public Health. Grand Seasons Hotel, Kuala Lumpur, Malaysia. 18-19 March 2009.
20. Secretariat- Malaysian Society of Parasitology and Tropical Medicine Mid Year Seminar. Influenza A (H1N1). Dewan Canselor, International Medical University (IMU), Kuala Lumpur. - 20 August 2009.
21. Secretariat- 2nd Workshop in Practical Medical Parasitology. MPG 7, Level 7, Tower 1, Science and Technology Complex, Faculty of Medicine, Universiti Teknologi MARA (UiTM) Shah Alam. 17-18 November 2009.

Professional Affiliations & Positions:

1. Chair- Science Policy and Governance, Young Scientist Network-Academy of Sciences Malaysia (YSN-ASM) (2020/2021)
2. Guest Editor- Journal of Clinical and Health Sciences (Nov 2020- June 2021).
3. Associate Editor- Tropical Biomedicine (April 2018- March 2021).
4. Editorial Committee- Journal of Clinical and Health Sciences (2017-2019).

5. Honorary Secretary - Malaysian Society of Parasitology and Tropical Medicine (MSPTM)- 2018/2019.
6. Assistant Secretary - Malaysian Society of Parasitology and Tropical Medicine (MSPTM)- 2017/2018.
7. Transition Member - Entomological Society of America (ESA)- 2015 - Now
8. Invited Member- Gamma Sigma Delta - The Honor Society of Agriculture. Texas A&M University - 2014 - Present.
9. Associate Member- North American Forensic Entomology Association (NAFEA)- 2013- Present
10. Associate Member - European Association of Forensic Entomology (EAFE) - 2012 - Present
11. Co-opted Council Member - Malaysian Society of Parasitology and Tropical Medicine (MSPTM) - 2012/2013
12. Committee Member - Malaysian Association of Forensic Entomology (MAFE) - 2011/2012.
13. Honorary Treasurer - Malaysian Society of Parasitology & Tropical Medicine (MSPTM) - 2011/2012
14. Honorary Treasurer - Malaysian Society of Parasitology & Tropical Medicine (MSPTM) - 2010/2011
15. Honorary Secretary - Malaysian Society of Parasitology & Tropical Medicine (MSPTM)- 2009/2010.
16. Member - Malaysian Society of Parasitology & Tropical Medicine (MSPTM)- 2007- Now
17. Member - Malaysian Scientific Association (MSA)- 2009-Now
18. Member - The Forensic Science Society of Malaysia (FSSM) - 2009-Now

ATTENDED CONFERENCES

1. BRTMA-Malaysia International Congress on Tropical Medicine 2019. Kingwood Hotel, Sibul, Sarawak, Malaysian Borneo (13-15 November 2019).

2. 2019 Annual Scientific Meeting of College of Pathologists. Academy of Medicine of Malaysia. Riverside Majestic Hotel, Kuching, Sarawak, Malaysian Borneo (27-28 June 2019).
3. 8th Malaysian International Seminar on Antarctica (MISA8). Universiti Putra Malaysia (18-20 June 2019).
4. 16th Meeting of the European Association for Forensic Entomology (EAFE). University of Bordeaux, Bordeaux, France (6-7 June 2019).
5. Singapore Pest Management Forum, Orchid Country Club, Singapore (24-25 April 2019).
6. 2nd National Conference of Urban Pest, Sunway Putra Hotel, Kuala Lumpur, Malaysia (9-10 April 2019).
7. 55th Annual Scientific Seminar of Malaysian Society of Parasitology and Tropical Medicine, InterContinental Hotel, Kuala Lumpur, Malaysia (13-14 March 2019).
8. 15th Meeting of the European Association for Forensic Entomology (EAFE). Botanical Garden, Munich, Germany (25-28 April 2018).
9. 54th Annual Scientific Seminar of Malaysian Society of Parasitology and Tropical Medicine, Connexion Conference & Event Center, Bangsar South, Malaysia (14-15 March 2018).
10. 8th Biodiversity Seminar. Department of National Parks & Wildlife Malaysia. Royale Chulan, Seremban, Malaysia (20-23 November 2017).
11. Entomological Society of America Annual Meeting 2017. Denver, Colorado, USA (5-8 November 2017).
12. 26th International Conference of the World Association for the Advancement of Veterinary Parasitology (WAAVP), Kuala Lumpur Convention Center, Malaysia (4-8 September 2017).
13. Entomological Society of America Annual Meeting 2015. Minneapolis, Minnesota, USA (15-18 November 2015).
14. 11th Annual Conference of North American Forensic Entomology Association. University of Dayton, Ohio, United States of America (14-17 July 2013).

15. 48th Annual Scientific Conference of Malaysian Society of Parasitology and Tropical Medicine. Grand Seasons Hotel, Kuala Lumpur, Malaysia (27-28th March 2012).
16. 9th Meeting of the European Association for Forensic Entomology (EAFE). Nicolaus Copernicus University, Torun, Poland (18-21 April 2012).
17. 1st Regional Health Sciences & Nursing Conference 2011. Shah Alam Convention Centre, Selangor, Malaysia (22-24 February 2011).
18. 47th Annual Scientific Conference of Malaysian Society of Parasitology and Tropical Medicine. IMU Bukit Jalil, Kuala Lumpur, Malaysia (3-4 March 2011).
19. First Malaysian Association of Forensic Entomology Scientific Meeting. Institute for Medical Research, Kuala Lumpur, Malaysia (6 July 2011).
20. 9th Annual Conference of North American Forensic Entomology Association. College Station, Texas, United States of America (20-22 July 2011).
21. 46th Annual Scientific Conference of Malaysian Society of Parasitology and Tropical Medicine, Grand Season Hotel, Kuala Lumpur, Malaysia (24-25 March 2010).
22. XII International Congress of Parasitology (ICOPA XII). Melbourne International Exhibition and Convention Center. Melbourne, Australia (15 - 20 August 2010).
23. National Conference of Forensic Sciences. Crystal Crown Hotel, Petaling Jaya, Selangor, Malaysia (26-27 October 2010).
24. 45th Annual Scientific Seminar of Malaysian Society of Parasitology and Tropical Medicine, Grand Season Hotel, Kuala Lumpur, Malaysia (18-19 March 2009).
25. 5th Malaysia Indonesia Brunei (MIB) Medical Sciences Conference. Mercure Hotel, Ancol, Jakarta, Indonesia (23-25 July 2009).
26. 44th Annual Scientific Seminar of Malaysian Society of Parasitology and Tropical Medicine, Grand season Hotel, Kuala Lumpur, Malaysia (4-5 March 2008).
27. The Third ASEAN congress of Tropical Medicine & Parasitology (ACTPM 3), The Windsor Suites Hotel, Bangkok, Thailand. (22-23 May 2008).
28. 2nd USM Penang International Postgraduate Convention 2008, Penang, Malaysia (18-20 June 2008).
29. Malaysia Indonesia Brunei (MIB) Medical Sciences Conference. UKM Medical Center, Kuala Lumpur, Malaysia (24-26 July 2008).

30. XVII International Congress for Tropical Medicine and Malaria. International Convention Center Jeju, Jeju Island, South Korea. (29-03 September 2008).
31. National Biodiversity Seminar 2008. PERHILITAN, Corus Paradise Resort, Port Dickson, Malaysia (26-28 November 2008).
32. 13th Biological Sciences Graduate Congress. National University of Singapore (NUS), Singapore (15-16 December 2008).
33. 43rd Annual Scientific Seminar of Malaysian Society of Parasitology and Tropical Medicine, Grand season Hotel, Kuala Lumpur, Malaysia (20-22 March 2007)
34. The 4th National Congress Indonesian Forensic Medicine Association, Danao Toba International Hotel, Medan, Indonesia (24-25 August 2007).

MEDIA COVERAGE & NEWS

1. Astro AEC - Stay Hungry Stay Foolish (2020)
2. Nanyang Business Daily (Nanyang Siang Pau)- Interview (11 February 2020).
3. Oriental Daily - Interview (20 January 2020).
4. Chapters - Interview (6 November 2019).
5. 988 Radio Station (Morning Up) - Live Interview (10 September 2019)
6. BERNAMA - Bernama Today- Live Interview (21 August 2019)
7. RTM 1 - Selamat Pagi Malaysia- Live Interview (12 August 2019)
8. Says.Com - Interview (19 March 2019)
9. The Star Malaysia - Interview (30 August 2018).
10. Nanyang Business Daily (Nanyang Siang Pau)- Interview (3 May 2018).
11. Live Life Pictures - Interview (30 March 2018).
12. 8TV (Global Watch) - Interview (28 March 2018).
13. NTV 7 (Living Delight) - Live Interview (12 December 2017).

14. New Life Post by Life Magazine (27 November 2017 & 25 March 2018).
15. MelodyFM radio interview (15 & 22 October 2017).
16. Oriental Daily Press (10 October 2017).
17. Sin Chew Press (14 September 2017).
18. BERNAMA (7 Nov 2016).
19. France 2 Channel “Aventures de médecine” (9 October 2015).
20. National Geographic (29 October 2014).
(<http://news.nationalgeographic.com/news/2014/10/141029-maggot-flies-bodies-video-forensics-science/>)-
21. Sin Chew Press. (Sin Chew Plus: New Education – 3 June 2008).

SPORT ACTIVITIES

1. International Taekwon-Do Federation (ITF) –
 - First Degree Black Belt (Obtained on 18th April 1999).
 - Second Degree Black Belt (Obtained on 27th June 2011).
 - Third Degree Black Belt (By paper recognition)
2. International Taekwon-Do Instructor Course (24-25 March 2018)

STUDENT’S CLUB ACTIVITIES

1. Advisor – Biodiversity and Astronomy (BioAstro), Faculty of Medicine, UiTM Sungai Buloh (2019 - Present)

COMMUNITY SERVICES

1. Facilitator - Petrosains, The Discovery Center, Kuala Lumpur Convention Center (3 November 2019).
2. Facilitator - Junior Scientist Day (Crime Scene Investigation), IMMB, Universiti Teknologi MARA (6-7 August 2019).

3. Speaker - Meet the Scientist during the National Science Day, National Science Center (7 April 2019).
4. Facilitator- Kuala Lumpur Engineering and Science Fair (KLESF), Malaysia International Exhibition and Convention Centre (MIECC) (3 Nov 2018).
5. Speaker- Career Talk at Taman Petaling Girl School (16 Oct 2018).
6. Chairperson- Junior Scientist Day (Crime Scene Investigation), IMMB, Universiti Teknologi MARA (4-5 December 2018).
7. Judge- Pre-Clinical Elective Poster Presentation, Faculty of Medicine, Universiti Teknologi MARA (16 August 2018).
8. Chairperson- Junior Scientist Day (Crime Scene Investigation), IMMB, Universiti Teknologi MARA (6-7 March 2018).
9. Facilitator- Mentor-Mentee STEM (Science, Technology, Engineering and Mathematics) 2018- Phase 1 (2018)
10. Facilitator - Biological Survival Kit at various schools in Selangor (2018)
11. Scientific Committee - Junior Scientist Day, IMMB, Universiti Teknologi MARA (2017).
12. Speaker- TEDxPetalingStreet, Kuala Lumpur (28 October 2017).
13. Speaker- Chong Hwa Independence High School, Kuala Lumpur (6 April 2017).
14. Speaker- Acton Academy, Kuala Lumpur (24 February 2017).
15. Speaker- Sekolah Sri Acmar, Klang (8 February 2017).
16. Judge- Student Research Week. Texas A&M University (March 2014).
17. Volunteer student worker- The Big Event, Bryan, Texas (March 2013).
18. Volunteer student worker- Aggieland Saturday, Texas A&M University (February 2013).
19. Volunteer student worker- Bryan/College Station Habitat for Humanity (January 2013)



TEDx talk in Kuala Lumpur, Malaysia (28 Oct 2017)

MEMBERSHIPS IN NGO

1. Member - Starfinder Astronomical Society, Kuala Lumpur, Malaysia (2007 - present)

LANGUAGE SPOKEN

1. English- Fluent
2. Malay - Fluent
3. Chinese Mandarin - Native

REFEREES

Dr. Jeffery Tomberlin

Professor

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Dr. Bahaa Latif

Retired Professor (Universiti Teknologi MARA)

Email: bahalatif@yahoo.com

This version of my CV is accurate and current as of Jan 24, 2021.

A handwritten signature in black ink, appearing to be 'Chong Chin Heo', written on a light-colored background.

Chong Chin Heo