

CURRICULUM VITAE

DR. AZWANDI AHMAD

Senior Lecturer

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EDUCATION

Doctor of Philosophy (Biomedical Sciences) – Universiti Kebangsaan Malaysia (2014)

Thesis: Community Ecology of Carrion Arthropods in a Tropical Rainforest Habitat in Malaysia and its Potential Application in Forensic Entomology

MSc. (Medical Entomology) – Universiti Sains Malaysia (2005)

Thesis: A Study on the Decomposition and Arthropod Successional Pattern on Exposed and Wrapped Carcasses, with Reference to Forensic Entomology

BSc. (Hons) Biology (Zoology) - Universiti Sains Malaysia (2003)

WORKING EXPERIENCES

- Research Assistant - Universiti Sains Malaysia (2004 - 2006)
- Lecturer - Universiti Teknologi MARA UiTM Pulau Pinang (2006 - 2014)
- Senior Lecturer - Universiti Teknologi MARA UiTM Pulau Pinang Bertam Campus (2015-2018)
- Senior Lecturer - Faculty of Pharmacy, Universiti Teknologi MARA UiTM Selangor Campus (Since Aug 2018)

AWARD AND RECOGNITION

Excellent Service Award (APC) – 2008

Excellent Service Award (APC) - 2021

RESEARCH EXPERTISE

Forensic Entomology, Ecological Entomology, Research Design, Biostatistics, Entomotoxicology, Parasitology, Public Health

PROFESSIONAL ASSOCIATIONS

Malaysian Society of Parasitology and Tropical Medicine (MSPTM) - Member

TEACHING AREA

Pharmaceutical Microbiology and Parasitology, Pharmaceutical Biostatistics, Drug in Sports, Pharmaceutical Biotechnology, Pharmaceutical Immunology, Traditional and Complementary Medicine, Advanced Research Methodology

SUPERVISIONS

Co supervisor (2023) PhD - Understanding Kuala Keniam Rainforest Health Through Metagenomic Analysis of Bacteria Isolated from Native Blowflies (Diptera: Calliphoridae) and Fleshflies (Diptera: Sarcophagidae) Species

Main supervisor (2021) – Prevalence of Insomnia and Relationship with Stress among Pharmacy Students in UiTM Puncak Alam

Main supervisor (2021) - Narrative Review: Medicinal Plants Used for the Treatment of Soil-Transmitted Helminth Infections

Main supervisor (2020) - Knowledge, Attitude, and Practice (KAP) on Paederus Dermatitis among Students in UiTM Puncak Alam, Selangor

Main supervisor (2020) - Learning Preferences Among Students in UiTM Puncak Alam

Main supervisor (2017) - A study of supplement intake among the residents of Kuantan, Pahang

Main supervisor (2017) - A study of immunization perception and knowledge among public in Hospital Tengku Ampuan Afzan, Kuantan, Pahang

Main supervisor (2017) – A study on knowledge, attitude, and practices among health care workers on needle-stick injuries in Hospital Tengku Ampuan Afzan, Kuantan, Pahang

RESEARCH GRANTS

PRINCIPAL INVESTIGATOR:

FRGS (RM 136,248) Understanding Kuala Keniam Rainforest Health Through Metagenomic Analysis of Bacteria Isolated from Native Blowflies (Diptera: Calliphoridae) and Fleshflies (Diptera: Sarcophagidae) Species. (2022-2024)

MITRA SDG (RM5,000) A Survey on bacteria associated with blowfly species (Diptera: Calliphoridae) in tropical rainforest of Taman Negara Pahang (2019-2021)

MEMBER:

MITRA SDG (RM5,000) A study on diversity of microbe's insect s associations on decomposed tissues Potential application in forensic entomology in Taman Negara (2019-2021)

MITRA SDG (RM5,000) Screening of novel industrial potential enzymes from insects and insect associated microorganisms in Malaysia Rainforest (2019-2021)

FRGS (RM67,700) Member: Uncovering the perceptions of older people about illustrated-enhanced leaflet containing medicine information (2019-2022)

JOURNAL REVIEWER

Egyptian Journal of Forensic Sciences

Tropical Biomedicine

SERANGGA

PUBLICATIONS

Azwandi A. & Omar, B. 2023. A report of *Pheidole megacephala* (Fabricius 1793) (Hymenoptera: Formicidae) colonisation on small and medium-sized mammal carcasses: its implications in forensic entomology. *International Journal of Tropical Insect Science*. 43(4): 1-11

Tania I., Heo C. C., **Azwandi A.**, Mohamad Rodi. 2023. The Development of Forensic Entomology Questionnaire for Health-Related Undergraduate Students from Universiti Teknologi MARA. *Education in Medicine Journal*. 14(3): 71-18

Azwandi A., Hanani Madiha H, Sofea Syahira S, Ezlina U, & Norazlina A. 2022. The Relationship Between Emotional Intelligence and Stress Among Pharmacy Students at Universiti Teknologi MARA Puncak Alam During COVID-19 Pandemic. *Education in Medicine Journal*. 14(3): 75-90

Ahmad Azani O, Muhammad Syafiq MN, Nurul Narisya O & **Azwandi A.** 2022. Investigation of Fly-Bacteria's Association on Decomposing Tissues and Antimicrobial Evaluation of Fly Larvae Native Excretions/Secretions. *Serangga*. 27(2): 57-76

Mansur, NNH & **Azwandi A.** 2021. Knowledge And Prevention Practices of Hand, Foot and Mouth Disease Among Parents and Caregivers in Bandar Puncak Alam, Selangor, Malaysia. *Malaysian Journal of Public Health Medicine*. 21 (1): 29-36

Shaharuddin, NS. & **Azwandi A.** 2021. Knowledge, Attitude, and Practice on Paederus Dermatitis Among Students in UiTM Puncak Alam, Selangor. *International Journal of Pharmaceuticals, Nutraceuticals and Cosmetic Science*. 4: 1-12

Nooratiny I., Abu Hassan, A., Siti Azizah, MN., **Azwandi, A.** 2019. Detection of heroin metabolites at different developmental stages of *Lucilia cuprina* (Diptera: Calliphoridae) reared in heroin-treated meat. *Egyptian Journal of Forensic Sciences*. 9(65) :1-9

Azwandi, A. & Omar, B. 2018. Effect of carcass model on maggot distribution and thermal generation of two forensically important blowfly species, *Chrysomya megacephala* (Fabricius) and *Chrysomya rufifacies* (Macquart). *Egyptian Journal of Forensic Sciences*. 8(64) :1-8

Nooratiny I., Abu Hassan, A., Siti Azizah, MN., **Azwandi, A.** 2018. Developmental Cycle and Growth of *Lucilia cuprina* (Diptera: Calliphoridae) Fed on Heroin: Implications for Post-Mortem Interval (PMI) Estimation in Forensic Investigations. *ESTEEM*. 14: 63-71

Najib, M.N.M., Ahmad Fauzi, D., **Azwandi, A.**, Suraya, S., Siti Normiyah, H., Nur 'Ainun, M. 2014. Knowledge and Attitude on Diabetes Among Public in Kota Bharu Kelantan, Malaysia. *International Journal of Education and Research*. 2(2): 1–10.

Azwandi, A., Nina Keterina, H., Owen, LC., Nurizzati, MD. & Omar, B. 2013. Adult carrion arthropod community in a tropical rainforest of Malaysia: Analysis on three common forensic entomology animal models. *Tropical Biomedicine*. 30(3): 481-494.

Azwandi, A. & Omar, B. 2012. The colonization of carrion by soldier fly, *Ptecticus melanurus* (Walker)(Diptera: Stratiomyidae) in a tropical forest in Malaysia: A new potential species for minimum PMI estimation. *Tropical Biomedicine*. 29(4): 638–641.

Azwandi, A., Abu Hassan, A., Hamady, D., Tomomitsu, S., Hamdan, A., Al Thbyani, A. & Michael, B. 2011. Cadaver wrapping and arrival performance of adult flies in an oil palm plantation in Northern Peninsular Malaysia. *Journal of Medical Entomology*. 48(6): 1236–1246.

Azwandi A., Roza D., Abdul Hamid, MW. 2010. A study on *Paederus* species (Coleoptera: Staphylinidae) ecology and *paederus dermatitis* skin disease outbreak in Permatang Pauh, Pulau Pinang. *Institute of Research, Development and Commercialization, Universiti Teknologi MARA*.

Azwandi, A. & Abu Hassan, A. 2009. A preliminary study o the decomposition and dipteran associated with exposed carcasses in an oil palm plantation in Bandar Baharu, Kedah, Malaysia. *Tropical Biomedicine*. 26(1): 1–10.

Azwandi, A. & Abu Hassan, A., 2008. Decomposition and dipteran composition on exposed carcasses in an oil palm plantation: A forensic entomology study. *ESTEEM*. 4(2): 51–72.

CONFERENCE PROCEEDINGS

Nur Aqilah Tahirah A.M., Ahmad Azani O. & **Azwandi A.** 2021. Prevalence of Insomnia and Its Relationship with Stress among Pharmacy Students in UiTM Puncak Alam, Selangor. Virtual International Research Network Initiative (IRNI) & International Postgraduate Conference on Pharmaceutical Sciences (IPoPs).

Hanani Madiha H., Sofea S.S., Ezlina U., **Azwandi A.** & Norazlina A. 2021. The Relationship Between Emotional Intelligence and Stress among Pharmacy Students at Universiti Teknologi MARA Puncak Alam During Covid-19 Pandemic. Virtual International Research Network Initiative (IRNI) & International Postgraduate Conference on Pharmaceutical Sciences (IPoPs).

Nur Hanie F. & **Azwandi, A.** 2021. Knowledge, Awareness, and Practice of Pet-Related Zoonotic Diseases Among Students in Universiti Teknologi Mara Puncak Alam Campus, Selangor. YSN-ASM International Scientific Virtual Conference (IVSC).

Azwandi, A., Omar, B., Owen, L. & Nina Keterina, H., 2011. Decomposition process, diversity analysis and successional patterns of insect visiting decaying animal carcasses in a secondary tropical forest in Malaysia. *MAFE*, p.21.

Azwandi, A., Omar, B., Owen, L., Nina Keterina, H., et al., 2011. Diversity and successional patterns of insects on decaying animal carcasses in a secondary forest at Universiti Kebangsaan Malaysia, Bangi, Selangor. In 47th Annual Conference of the Malaysian Society of Parasitology and Tropical Medicine. International Medical University, Bukit Jalil.

Azwandi, A. & Omar, B., 2011. Larval aggregation of necrophagous dipteran in decomposing animal carcasses and its implication in forensic science. In 48th Annual Scientific Conference of the Malaysian Society of Parasitology and Tropical Medicine. Kuala Lumpur, p. 64.

Azwandi, A., Omar, B. & Nurizzati, M.D., 2011. Composition and successional patterns of beetles (Coleoptera) attending decomposing animal carcasses in a secondary forest at Bangi, Selangor: A forensic entomology study. In Malaysian Symposium on Biomedical Science 2011. Kuantan, p. 105.

Azwandi, A. & Omar, B., 2009. An economical baited trap for blowfly population study modified from the West Australian Blowfly (Diptera: Calliphoridae) trap design. In MUCH International Scientific Conference: Recent Trends & Future Perspective Towards the Protection of Health. Genting Highlands, Malaysia, p. 156

CONSULTANCY

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COMMUNITY SERVICES

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REFERENCES

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