

ALVIN KAH WEI HEE**Ph.D. (Universiti Sains Malaysia)**

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**EXPERTISE**

Applied Entomology

Dr. Alvin Hee is a Senior Lecturer in the Faculty of Science, Universiti Putra Malaysia. As a trained chemical ecologist in insect physiology and biochemistry, Dr. Hee's area of research involves utilization of bench and field technique-in understanding insect communication, particularly how odourants mediate insect behaviour leading to practical aspects of insect pest management and conservation of biodiversity. Utilization of research techniques includes (> 10 years' experience) analytical biochemistry (thin layer chromatography, gas chromatography, liquid chromatography, protein and peptide electrophoresis, microsolvent bioorganic extraction), insect physiology (microdissection, trans-plantation and transfusion), behavioural assays (wind tunnel and field cage assays) and the design and implementation of open field trials involving insect odourant attractants. Results generated from those techniques have resulted in international publications such as Journal of Chemical Ecology and Bulletin of Entomological Research.

CURRENT RESEARCH INTEREST:

- Chemical ecology of tephritid fruit flies: An understanding of the insect-plant interactions.
- Physiological transport of sex pheromone in tephritid fruit flies.
- Novel design of traps for capturing pest tephritid fruit flies.
- Species diversity of attractant-responding tephritid fruit flies

LINK TO POSTGRADUATE FIELD OF STUDY:**ADDITIONAL INFORMATION:**