



Issue 37

For PCAM members only

September 2017

## President's Message



Dear Honorable PCAM Members and friends,  
Assalamualaikum and Salam 1 Malaysia

The core fundamental of any association is UNITY - one of many challenges that the Pest Control Association of Malaysia (PCAM) is yet to resolve. The newly elected Executive Committee (Exco) members team and I will work harder to ensure that we will achieve this common objective since we are able to work in the esprit de corp. The current Exco are experienced and enthusiastic individuals who will work continuously and tirelessly together in reaching these objectives.

The team will continue to uphold one of the PCAM key objectives that is to foster a closer and more engaging relationship among the industry players. We are also planning an outreach program to have dialog with the respective regulatory bodies and government agencies. This knowledge sharing activity is to impart to these end users the standard and right practice of pest control. We hope that the close ties with these stakeholders will eventually lead the industry to the next level that has long been desired – high degree of standard and professionalism.

The key aspect to achieving high standard is through investing in quality human capital. Being in the service oriented industry, it is 'people servicing people' business model. Thus, it is necessary for us to invest in our employees by having them trained to be competent pest control technician who are expert in their field. These equalification are sought by the employer and end user alike. If not, we will continue to be trapped in time in a vicious cycle of price war. Our service staff who is enterprising enough may be an entrepreneur himself one day. But if he is competent, he would agree that price is not the only determinant factor to land a contract.

The PCAM will team up with the Human Resources Development Funds (HRDF) to ensure the PCAM members will enjoy the non-technical courses at a very competitive rate – good news to pest managers who contributes to the HRDF under the Pembangunan Sumber Manusia Berhad Act 2001 [Act 612].

Nonetheless, the team and I would like to express our appreciation to the members, associates, academicians and agencies that have subscribed to the PCAM's vision and mission. Please continue to contribute in any way possible. Our thanks and appreciation also to the past Exco members who have taken initiatives, efforts and personal times for the well-being of our beloved association.

While we have set some objectives, we would appreciate and welcome your proposal to further improve the quality of our Association. In the meantime, feel free to contact us should you have any enquiry and ideas.

"Respect, Understand, Serve..."

Nor Hisham Badri  
President (2017/2019)  
The Pest Control Association of Malaysia

PCAM PestLink 1



## ANNOUNCEMENT



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### Publication Committee:

Publisher : PCAM

Tel : 603-9285 7288 Fax : 603-9286 0288

Email : info@pcam.com.my

Website : www.pcam.com.my

No. 8-1A, Jin Perdana 6/88, Pandan Perdana,

55300 Kuala Lumpur.

Design & layout : Art Blitz Design

Printer: Juice Studio

### Advertisement Rates in Our Newsletter

Publication: Quarterly issue

Paper Size: A4 (21cm X 29.7cm)

Color: 4 color

Copies to be printed: 500 pcs only

Half page : RM 600

Full page : RM 1,000

Front inside : RM 1,500

Back inside : RM 1,300

Back cover : RM 1,800

Front page (5cm) : RM 1,200

Insertion : RM 500 (500 Copies)

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## The Executive Committee For Year 2017-2019



**President**  
Mr Nor Hisham Bin Haji Badri  
Envirocon Pest Management Sdn Bhd



**Deputy President**  
Ms Carol Lam  
Rentokil Initial (M) Sdn Bhd



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Kamal & Kamal Pest Control Sdn Bhd



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Ridpest Sdn Bhd



**Committee Member**  
Mr Edward Ghana  
D-Zach Supplies & Services



**Committee Member**  
Mr Sin Chee Sen  
Ecommon Pest Solutions



**PCAM Secretariat**  
Nordiana Bt Mohd Nuri



**PCAM Secretariat**  
Sharifah Nur Azriah  
Bt Syed Amir



## Pesticide Application License Training - Kuala Lumpur

### PAL/APAL TRAINING KUALA LUMPUR

Date : 28th and 29th November 2016

Venue : PCAM's Office

Time : 8.30 a.m - 5.30 p.m

Participants : 35 pax

#### Trainers:

a. Faizal bin Mohd Yusof.

b. Saipol Bahri bin Jusman

c. Muhammad Zaini bin Abdul Rashid

d. Shahrem bin Md Ramli



## Pesticide Application License Training - Johor

### PAL/APAL TRAINING SOUTHERN REGION

Date : 23rd and 24th November 2016

Venue : TS Hotel

Participants : 15 pax

#### Trainers :

a. Faizal bin Mohd Yusof

b. Saipol Bahri bin Jusman

c. Shahrem bin Md Ramli





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## Termite Course - Penang

KNOWLEDGE TRANSFER PROGRAMME "TERMITE SEMINAR" - HANDS ON TRAINING ON TERMITE MANAGEMENT AND CONTROL WORKSHOP



Trainers :

- a. Dr Abdul Hafiz bin Prof. Madya Dr Abdul Majid
- b. Shahrul Fadzly bin Mohd Yusop
- c. Faizal bin Mohd Yusof
- d. Shahrem bin Md Ramli
- e. Muhammad Zaini bin Abdul Rashid.

Date : 12th November 2016.

Venue : Universiti Sains Malaysia (USM) Penang.

Participants : 31 pax

## Visit by Pest Association members from China





## Pesticide Application License Training - Kuala Lumpur

### PAL/APAL TRAINING KUALA LUMPUR

Date : 24th and 25h April 2017

Venue : PCAM's Office

Participants : 26 pax

Trainers:

a. Faizal bin Mohd Yusof.

b. Saipol Bahri bin Jusman

c. Muhammad Zaini bin Abdul Rashid

d. Shahrem bin Md Ramli



## PCAM Annual General Meeting 2017

PCAM ANNUAL GENERAL MEETING ON 6-5-2017





## Bed Bugs at a glance

By Chris Kim

Every year, many people die of vector born disease such as malaria and yellow fever in Africa. It is caused by mosquitoes, the major blood sucking insect. There are more than 400 species of blood sucking insect feed on human blood in this world, but not all of them transmit severe human diseases (e.g., bed bugs). Historically, bed bugs were feeding on the bats and birds, but later feed on human host when the ancient people started to stay inside the caves. As human move out from the caves, bed bugs also moved out and spread.

• Eggs and hatching nymph



• Molting and empty skin



• Adult and mating



Figure 1. Bed bugs at a glance

Most of the species under order Hemiptera (True bug) are plant feeders. However, two species under the family Cimicidae namely *Cimex hemipterus* (Tropical bed bug) and *Cimex lectularius* (Common bed bug) are known as human host blood feeders. Tropical bed bugs originated from southern Asia and tropical Africa. They are widely distributed throughout tropical areas such as Malaysia and Singapore. While common bed bugs are found throughout the world especially in temperate regions. Nowadays, both species are spreading all over of the world due to the increase in international travel. Many people describe the bed bugs as a 'hitchhiker' because they are moving on human belongings without any ticket of plane, buses or trains.

the bed bugs as a 'hitchhiker' because they are moving on human belongings without any ticket of plane, buses or trains.

Adult bed bugs are wingless, flat and brownish with 4-7 mm body sized. To produce eggs, female has to feed on blood meal and receive sperm from male each time. Mated female can produce around 8 eggs per week. In general, female can reproduce >100 eggs within their whole lifespan. Bed bugs have five nymphal stages. To grow up, they need blood meal every single stages. Duration of growth and lifespan will be vary according to changes in weather. In temperate climate, Common bed bugs can live up to more than 1 year, but only live for few months in tropical area. While Tropical bed bugs are unable to live under 10 celcius. For both species, they are unable to survive at temperature of more than 40 celcius. The optimum temperature for the growth rate of Common bed bugs and Tropical bed bugs are 28-29 celcius and 32-33 celcius, respectively. Besides, the optimum humidity range is in the range of 50% to 80% RH. Their lifespan will be reduced of the weather condition is too dry or too wet.

Unlike cockroaches, bed bugs do not have sticky pads on their leg part. They use claws for crawling. This indicates if we apply pesticide on the wall as residual spray, it is very hard to affect the bed bugs because their body will not touch it. Therefore, pesticides should be sprayed directly to the bed bugs. This is the reason why managing bed bugs is challenging and time consuming. If you recognized the bed bugs infestations, you should contact the professional pest control company immediately for bed bug treatment. Common methods used to control bed bugs are heat treatment, steaming, fumigation, traps, and mattress encasement. Research studies have shown that "bug bombs" are not effective against bed bugs and even may worsen the situation. The most important thing in pest management is identify the pest correctly. Sometimes, people may confuse bed bugs with other insects such as cockroach nymph, carpet beetle, fleas, lice, even seed and lint. The bite symptom of bed bug bites is also very similar with mosquito bites. Bed bugs infestation can be identified by checking on the fecal stains, droppings, empty skins, eggs, live or dead bed bugs. Bed bugs can be found at bed, headboard, mattress (i.e., edges and tack strip), bed frame and box spring. Their harborage sites can be found especially inside cracks and crevice under the furniture. Reports regarding bed bugs infestation are every common recently. It certainly has the chance to find bed bugs in your own room one day.



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## FAOPMA Pest Summit 2017 - Chiang Mai 22nd - 24th November 2017



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Please contact **PCAM Secretariat (Ms Nor Diana)** for registration details



	Registration Fee Category	Member	Non Member	Contact Persons (TPMA)
FAOPMA	Early Bird Registration (before Aug 31, 2017)	USD 300	USD 350	Su-Chart Lee Email: suchart.lee@gmail.com Mobile: +6691 918 1111 Fax: +662322 6530
	Regular Registration	USD 350	USD 400	
	On-Site Registration	USD 450	USD 500	
AIB	Early Bird Registration (before Aug 31, 2017)	USD 200	USD 250	Surath Aebtarm Email: surath.aebtarm@gmail.com Mobile: +662322 6530 Fax: +662322 6530
	Regular Registration	USD 250	USD 300	
	On-Site Registration	USD 350	USD 400	
FAOPMA + AIB	Early Bird Registration (before Aug 31, 2017)	USD 450	USD 540	Win De Bug Email: debug68@gmail.com Mobile: Fax: +662322 6530
	Regular Registration	USD 540	USD 630	
	On-Site Registration	USD 630	USD 810	

Enjoy Thai food and Lots of Fun at the Royal Park Rajapruek, Chiang Mai - where the FAOPMA Gala dinner will be held.



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## FAOPMA Pest Summit 2017 - Chiang Mai 22nd - 24th November 2017



**Add a full conference experience with the AIB Course on Integrated Pest Management In Food Plants !**  
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**Please contact Dr Raymond Lee @ (012) 3178187 for AIB registration details**

Integrated Pest Management In Food Plants - 24 <sup>th</sup> November, 2017 (Friday)	
8:00 a.m.	<i>AIB Registration &amp; Introductions</i>
8:15 a.m.	<b>Integrated Pest Management Strategies</b> Understanding integrated pest management and how it works to identify, prevent and eliminate conditions that could promote or sustain a pest population. Learn about the different ways to resolve pest issues through identification, monitoring, non-chemical and chemical methods.
9:00 a.m.	<b>IPM Strategies for Stored Product Insects and Structural Infesting Pests</b> The most common insects encountered in food plants such as stored product insects, cockroaches and other structural pests have been selected for an in-depth discussion of their biology and behavior. With this information, discover how to best manage these pests using IPM strategies
10:30 a.m.	<i>Break</i>
10:45 a.m.	<b>ENSYSTEX – Sponsor Talk</b> “UV-A Light Traps – Important Aspects for IPM Programs and Future Trends”.
11:30 a.m.	<b>IPM Strategies for Rodent Control</b> An in-depth discussion of the biology and behavior of commensal rodents and how to best manage these pests using IPM strategies.
12:30 p.m.	<i>Lunch</i>
1:30 - 2.30 p.m.	<b>IPM Strategies for Bird Control</b> An in-depth discussion of the biology and behavior of common birds associated with food plants and how to best manage these pests using IPM strategies.
3:00 p.m.	<i>Break</i>
3:15 - 4.00 p.m.	(Continue)
4.00 p.m.	<b>Questions</b>
4.30 p.m.	<b>Test</b>
5:00 p.m.	<i>AIB Seminar Concludes and Certificate collection</i>



**See you in  
 Chiang Mai Thailand,  
 November  
 22nd - 24th, 2017**



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