



Issue 40 For PCAM members only Jan 2019

President's Message



Greetings & Salam Sejahtera,

I look forward to welcoming you to the PCAM National Conference on Urban Pest 2.0 that will be held on April 9 & 10, 2019 at the Sunway Putra Hotel Kuala Lumpur. The theme is entitlted "Current Challenges & Strategies in Urban Pest Management in Malaysia". The PCAM and the organizing committee will host 2 keynote speakers, 14 Academic papers and 3 industry speakers. It is the event that you should not have missed since this is the only platform where you can network, exchange information and garner more knowledge that spans from household pest to incidental pests.

We will also bring to you for the first time Phosphine Fumigation training program that will be held on April 11 & 12, 2019 in conjunction with the NCUP 2.0 event. The event is our direct collboration with the Phosphine manufacturer, United Phosphorous Limited (India) under FAOPMA Certification program. Please register fast since it would be based on first come first serve basis. Seats are limited to only 30 pax.

We will continue with the Meet & Greet sessions for the H1 2019 as part of membership outreach and NCUP Promotion Tour. Please observe these dates: Johor Bahru (13/2/2019), Kuantan (27/2/2019), Penang (13/3/2019) and KL/Selangor (20/3/2019). Please check out and like the PCAM Facebook for the latest information on our planned activities.

But for the PCAM to exceed the expectation, we need your input, feedbacks and comments. Please continue to contribute in any way possible and you can start by participating and joinig our program and activities. Just scan the QR Codes to register online.

"Respect, Understand, Serve..."

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



NCUP 2.0 Registration QR



Phosphine Fumigation Course



VP-Communication Message

IMarketing

There are different marketing strategies to promote products or services. But today, almost every consumer trust the internet to provide reliable information. Even though the internet is a new marketing tool compared to other marketing methods, it is arguably the way to go for any brand to get noticed in 2018.

Internet or online marketing is the strategy of promoting and selling goods and services online. If you want to expand your business or to promote a new brand, internet marketing is the solution. Below are 4 important reasons why you need to use internet marketing this year.

1. Customers are online

One of the most compelling reasons to start internet marketing is because most of the consumers are online. In the past, marketers have tried to reach potential customers in unique places such as their places of work, homes or where they shop. Today, almost every person uses the internet to shop.

2. Internet marketing is cost-effective

Getting your brand in front of potential clients is can be expensive. Happily, online marketing has no price tag. This makes it easier for you to promote your product to the right audience.

3. Communication is two-way

Most traditional advertising methods such as billboards, print ads, and direct mails only involve getting the message in front of the customers. But what happens if the reader wants more details about the product? Happily, internet marketing is a two-way campaign that can be used to strengthen customer relationships. Instead of viewing your business as just a store, they start seeing it as a reliable source of information.

4. Internet operates 24/7

How much would you pay to promote a product during the day and at night? It could be very costly. Happily, websites, social media sites, and blogs are open 24/7.

These are some reasons that clearly show online marketing is very powerful. It is the technique to use for your brand to reach the right people in 2018. Contact imarketing my to learn more about internet marketing, imarketing my provides the best solutions to achieve growth and success for your business!

Thank you. Jeet Wen, Jee(Jason)

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Back inside · RM 1 300

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The PCAM Meets & Greets 1.0 - Pahang - 26 July 2018

Date: 26 July, 2018 Time: 8.30 am - 01.00 pm

Venue: Kompleks Dagangan Mahkota

Jalan Sultan Ahmad Shah, Bandar Indera Mahkota, 25200 Kuatan, Pahang.











The PCAM Meets & Greets 2.0- Johor - 17 Oct 2018

Date: 17 October, 2018 Time: 8.30 am - 01.00 pm Venue: TS Hotel (Scientex)

No.17, Jalan Rusa 1, Taman Scientex, 81700 Pasir Gudang Johor.









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.

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.

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 °C. For both species, they are unable to survive at temperature of more than 40 °C. The optimum temperature for the growth rate of Common bed bugs and

Tropical bed bugs are 28-29 ℃ and 32-33 ℃, 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 infections, 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 very common recently. It certainly has the chance to find bed bugs in your own room oneday.

Having been involved in the Pest Management industry in Malaysia for many years and it was a long cherished dream to attend the prestigious NPMA event one fine day. A dream that has eluded me in the past but was finally realised when I chance upon this opportunity. Without any second thoughts, I joined Raymond and Fong Kin Hon on this recent memorable trip to USA. It was a long journey but every mile travelled was worth it

annual convention and exposition.

travelled was worth it.

PestWorld 2018 held between November 23-26, at the Walt Disney World Swan and Dolphin Resort. Orlando, Florida. This year event had more than 3,000 industry professionals from across the globe (with an estimated 65 countries) journeyed to Orlando to celebrate NPMA's 85th





It was exciting to observe how Pest Management companies' network and share ideas and collaborate with one another. The huge exhibit hall with more than 200 exhibitors provided delegates ample opportunities to explore the latest products and where they got first-hand demonstrations on the latest products and services from Pest Management industry suppliers. The exposition provided these opportunities for information sharing, provide access to the latest products, services, and technologies available.

An observation noted from the exposition Hall and the various products on display seems to convey the notion that the Pest Management industry needs to transform the way we apply insecticides or place baits and traps. Perhaps the need to consider that instead of using more insecticide products than necessary to ensure that treatment has been effective and thorough- Pest Management companies may consider our next step is creating tools or devices that determine the perfect amount needed to be applied?



generate critical thinking in world-class papers with emphasis on pest management educational sessions being presented to the PestWorld delegates. The various "breakout sessions" cater for the specific needs and relevant topics that enable Pest Management companies to respond to the current digital economy and technology that makes pest control more effective, more sustainable and information at our fingertips. The business sessions enable us to understand the emerging marketing issues that influence the pest management industry.

Attending the annual PestWorld event is to make connections, network and meet new friends in the industry. This is the "melting pot" where you go to meet up with international friends and have many opportunities to network with people in the industry. Here was an opportunity to catch up with friend in the industry across the continent - from India, Singapore, Hong Kong and China



During the PestWorld 2018, the formal meeting and the inaugural AGM of the Global Pest Management Leaders Coalition (GPMC) was held. The mission of the GPMC was reviewed and formally adopted as below:



"The mission of the Global Pest Management Coalition is to create a unified voice across the globe promoting the value of pest management in ensuring the protection of health, home, food and businesses."

The final Approval of Coalition structure, including Membership & Funding was adopted. The primary order of business for GPMC meeting was to finalize the election for the inaugural GPMC Council where our FAOPMA President Elect, Mr Vasili Tsoutoura (AEPMA- Australia) and FAOPMA Committee member, Mr Jaldhi Trivedi (IPCA - India) were elected in the GPMC Council 2019.

I would personally recommend to fellow PCAM members to attend the PestWorld event as the experience and atmosphere is entirely different. This is one event that those who are involved in the industry should make it a point to attend once it our life time and be exposed to the new innovations and technologies that are yet to reach our soil.

Finally, there's a reason to attend this year PestWorld 2018 held in Orlando, it provides the additional opportunity to reflect on the host city's most transformative figure: Of Course, it's Walt Disney.



Interesting enough you never know who you may meet



Will you consider the PestWorld 2019 schedule for October 15-18, 2019 in San Diego Convention Center, San Diego, California?

PAL/APAL - 23 & 24 October 2018

Structured Training Program - Pesticide Applicator (PAL) & Assistant Pesticide Applicator Licence (APAL), 23rd & 24th October 2018





















TENTA	TIVE PROGRA	MME NCUP 2.0 2	019	
9th APRIL 2019 (Open Lab and Poster Presentation-All day) 08.00 AM Registration of Participants 09.00 AM Opening Geremony 09.30 AM They Note - Current Challanges & Urban strategies in Urban Pest Management in Malaysia (Mr. Nor Hisyam Badri - The PCAM President) 10.15 AM The Break 10.45 AM SPONSOR FLATINIUM(MakeSafe**) Topic: Design Through Innovation (Mr Gary McMahon) 11.15 AM Seminar - Vertebrate Pest 1) TopicExpertise: Wild Primate Management in Recreational Park & Housing Area Dr. Nadine Rupert (Universiti Sains Malaysia) 3) TopicExpertise: Wild Primagement in Urban Setting Mrs. Ian Poal Ean (PERHILITAN) Dr. Judians Beanwil (Universiti Sains Malaysia) 3) TopicExpertise: Wild Primagement in Urban Setting Mrs. Ian Poal Ean (PERHILITAN) Dr. Judians Beanwil (Universiti Kebangsaman Malaysia) 0.115 AM Lunch 0.215 PM Seminar - Bird Pest Management & Stinging Post 3) TopicExpertise: Birds Cantrol & Management in Malaysia Dr. Shand Hand Irvan Izzauddin Mik Him (Universid Sains Malaysia) 0.34.5 PM Tea Break 0.40.00 PM Seminar - Bird (Wilm AS) 10.70 Pm Re Almand Irvan Izzauddin Mik Him (Universid Sains Malaysia) 0.34.5 PM Tea Break 0.40.00 PM Seminar - Singing Pest 7) TopicExpertise: Biosonus Bies: Taking the sting out of stinging Insects Assoc. Prot. Dr. Sainah Yakado, Universitis (kebangsaan Malaysia) 3) TopicExpertise: Molecular Management in Urban Setting Professor Dr. Sainah Yakado (Universitis Kebangsaan Malaysia) 07.30 PM Gala Dinner for the PCAM 25** Anniversary (Silver Jubillee)		(Open Lab and Poster Presentation-All day) (Open Lab and Poster Present & Future Challanges of The Urban Pest Management in Malaysia (Prof. Dr. Lee Chow Yang - School of Biological Science, USM) 08-40 AM Seminar - Household Post 9) Topic/Expertise: How long our termiticide lass in Malaysian Soil & Environment: Guarantee vs Warran Assoc Prof. Dr. Abdult Halfat AM hajid (USM) 10-15 AM Teo Break 10-45 AM SPONSOR 2-GOLD(BAYER) Topic: Targeted Residual Spray For Dengue Control: The Inside Story by Dr. Nuruhusna Ab Hamld 11-15 AM Seminar - Household, Nuisance and Store Product Pest 10) Topic/Expertise: House Files Management & Control Dr. Ong Song Quan (KDU-Porang) 11) Topic/Expertise: Management geignant at resort facilities Dr. Mohd Khari Shahar (MR) 12) Topic/Expertise: Management in Store Product Pest Problem in Malaysia Dr. Mohd Khari Shahar (MR) 13) Topic/Expertise: Management in Urban Structure Dr. Norsanha Basari (LMT) 01-00 PM Lunch Qu. 2-15 PM Seminar - Medical Importance Pest 14) Topic/Expertise: Understanding Genetic Dispersal Pattern in Managing Bed Bug Infestation Dr. Sili Nor All Seminar - Medical Importance Pest 14) Topic/Expertise: Understanding Genetic Dispersal Pattern in Managing Bed Bug Infestation Dr. Sili Nor All Seminar - Medical Importance Pest 14) Topic/Expertise: Understanding Genetic Dispersal Pattern in Managing Bed Bug Infestation Dr. Sili Nor All Seminar - Medical Importance Pest 14) Topic/Expertise: Understanding Genetic Dispersal Pattern in Managing Bed Bug Infestation Dr. Sili Nor All Seminar - Medical Importance Pest 14) Topic/Expertise: Understanding Genetic Dispersal Pattern in Managing Bed Bug Infestation Dr. Sili Nor All Semi Management in Pest Management Mr. Mohd Acade Nito MAM 15) Topic/Expertise: ENTOMA: Bridging the University-Industry Gop In Pest Management Pattern Assoc Prof. Dr. Nar Azma Admic (RNTOMA) 17) Round table discussion		
GAL	A DINNER & RE	Bridging the industry, PCO, NGO, PEKA, ENTOLE		
PCAM GALA DINNER 9 TH APRIL 2019 6.30 PM THEME: BLACK TIES NIGHT	Member	Bird price (Now till end of Feb 19) (RM)	Normal price (RM)	
06.30 PM Coctail 07.00 PM Registration 08.00 PM Arrival of V.I.P. 08.30 PM - Dinner Start - Token of Appreaciation for Committee Members - 25th Years Appreciation - Appreciation Award Ceremony - FAOPMA Korea - Sponsors Airtime - Best Dress Award - Lucky Draw	3. All payment by cash/cheque The Pest Control Associatio 4. Kindly email the registratio 5. Full registration fees inclusi 6. Fees exclude travelling exp ADDITIONAL TERMS & CO 1. Group registration must be 2. Discount of RMSO will be 2. The discount is only available 4. For non-members, group r 5. Students must show their r Please issue cheque payable and write your company n	n of Malaysia (PCAM) and in Ringgit Ma form and bank in slip to our official en we of general sessions, exhibition booth enses and hotel accommodation NDITIONS: a minimum of 10 pax	olaysia (MYR). nail at info@pcam.com.my n and Gala dinner rs only (annual fee paying members) d for discount es. f Malaysia heque or	

REGISTRATION FORM (Email Regist	tration Form to info@pcam.com.my)	
Registration : O Indivual	Group (minimum 10pax)	O Poster Presentation
Delegate's Status : OPCAM Me	ember Non PCAM Member	
Name: (Tan Sri/Dato' Seri/Datuk/ Prof/Dr/Mr/Ms)		A
Company Name:		
Address:		
PCAM Membership Number:	Mobile Contac	t:
Telephone:	E-Mail:	
Group registration:	NAME	NRIC

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CURRENT CHALLENGES & STRATEGIES IN URBAN PEST MANAGEMENT IN MALAYSIA

2nd NATIONAL CONFERENCE ON URBAN PESTS

The National Conference on Urban Pests (NCUP) 2019 is hosted by The Pest Control Association of Malaysia (PCAM).

The intention of this prestigious conference is to bring together professional individuals with outstanding knowledge and interest in Malaysia urban pest. This conference will facilitate the exchange of information between academic personnels, industry players, government officials and professional pest managers throughout the nation.

The objective of this conference is therefore almed at promoting professional practice among professional pest managers and policy makers.

DATE |

VENUE |

PROGRAMME I



VCUP2019







LIST OF SPEAKERS



Assoc. Prof. Dr. Hafidzi Mohd Noor Universiti Putra Malaysia

Assoc. Prof. Dr. Abdul Hafiz Ab Majid Universiti Sains Malaysia



Dr. Nadine Rupert Universiti Sains Malaysia

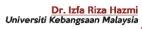
Dr. Ong Song Quan KDU Penang University College



Dr. Juliana Senawi Universiti Kebangsaan Malaysia

Dr. Mohd Khadri Shahar Institute for Medical Research

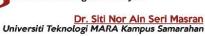


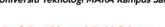


















PLATINUM AND GOLD SPONSORS SPEAKER:



Mr. Mohd Azrool Rizal Mohd Azahari Malaysian Association of Public Health Entomology (PEKA)

Assoc. Prof. Dr. Nur Azura Adam Entomology Society of Malaysia (ENTOMA)



Mr Gary McMahon Dr Nurulhusna Ab Hamid

CURRENT CHALLENGES & STRATEGIES IN URBAN PEST MANAGEMENT IN MALAYSIA

PCAM PEST WORKSHOP 1.0- 13 DEC 2018













FAOPMA-Pest Summit 2019 Daejeon, Korea

24(Tue) - 27(Fri) September, 2019 Daejeon Convention Center (DCC), Daejeon, Korea

INVITATION

The FAOPMA-Pest Summit 2019 will be held in Daejeon, Korea, 24-27 September, 2019 with the theme 'ONE HEALTH (Human, Animal and Environment)' Since the inception of FAOPMA, the annual international convention is shed for the fourth time in Korea, incorporating both local and regional issues specific to the pest management industry. With many international speakers and presenters at the FAOPMA convention, we have built a reputation as one of the pest management industry's global events.

This FAOPMA-Pest Summit 2019 convention will be focusing on the latest research findings on pest management and disease control presented by speakers who are experts in their field. Delegates will be having ample opportunity to visit exhibition booths, showcasing today's leading-edge technologies and services of the pest management industry from around the world.

Participate in social events for promoting and achieving the advancement of related industries will be demonstrated. Every attendee will receive a FAOPMA participation certificate, plus a 1-day AIB Certification Program (subject to terms & conditions - any attendee who passes the test will receive an AIB certificate). Your attention and participation to the FAOPMA-Pest Summit 2019, Daejeon, Korea would be warmly welcomed and appreciated

President of KPCA Won Soo Hong

SUPPORTED BY:

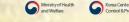
IN ASSOCIATED WITH: FAOPMA



ORGANIZED BY:















www.faopma2019korea.org



Program at a Glance

	24(Tue) 9	September	25(Wed) September		26(Thu) September		27(Fri) September
Morning	Registration		Opening			Section Section (Control)	
Afternoon	EXCO	Exhibition		Exhibition	Lecture	Lecture Exhibition	AIB Training or Technical Tour
Atternoon & AGM Exhibition	Speech Lecture	Closing Geremony		lechnical lour			
Evening	Welcome	e Reception	Gala Dinner -		15		

FAOPMA 2019	Early-bird Registration (By May 31, 2019)	
Regular Registration	\$350.00	
Group Registration(10 - 29)	\$320.00	
Group Registration(over 30)	\$300.00	

Pre-registration (June 1 st – August 31, 2019)	On-site Registration		
\$400.00	\$500.00		
\$350.00	\$450.00		
\$330.00	\$400.00		

If you want to apply for AIB training, please contact the secretariat of FAOPMA 2019 Regi

Bank Name	Industrial Bank of Korea. Seoul, Korea.		
Acc Number	033-556164-01-010	SWIFT Code	IBKOKRSE
Acc Holder	KOREA PEST CONTROL ASSOCIATION	Bank Address	79, EULJI-RO, JUNG-GU, SEOUL, SOUTH KOREA

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You can register online at FAOPMA 2019 website