

JUNE 2017 ISSUE

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Member of
Global
 Pest Management
 Coalition



PRESIDENT'S MESSAGE



The Birth of World Pest Day

With World Pest Day (June 6th, 2017) fast approaching, I hope our colleagues

all around the world, wherever you are, will understand the significance of this date: from now on, June 6th will be dedicated to our industry. On this day, we and the community in which we serve, will be talking about pest control and pest management.

With increasing awareness of the contribution of our industry, there are no reasons for us not to believe that our community and our health will be better protected. This day will give us a sense of pride and a sense of responsibility, and this day will lead the general public to support the important job we do on daily basis, and it will also help to drive media coverage of the important nature of our industry.

The concept of “World Pest Day” was initiated by the Chinese Pest Control Association (CPCA), and co-sponsored by the Federation of Asian and Oceania Pest Managers’ Association (FAOPMA), the National Pest Management Association (NPMA), the Confederation of European Pest Management Associations (CEPA), and the World Health Organization’s Collaborating Centre for Vector Surveillance and Management.

“ World Pest Day” is aimed to carry out a series of promotional activities, to raise public, government, and media awareness of the important role that pest management organizations play in public health and people’s everyday life, to eliminate the spread of disease. With unified efforts, we spread the ideas of pest control in a scientific and socially responsible way, to project the professional image of PCO industry. Let’s call people’s attention to the “big threat” posed by “small pests”. Let’s start with one “small” day, in hope of “big” health achievement for everyone in the world.



It has taken us two years to bring this initiative to reality through a lot of hard work and dedication from many of the supporters. With less than two weeks to go before the launch event, I believe you are just as excited as we are in looking forward

to this milestone. **As a member of our industry, you are invited to witness of the birth of “World Pest Day”, which will be remembered forever in the industry’s history.**

Mdm. Huang Xiao Yun
FAOPMA President (2015-2017)

A handwritten signature in black ink, appearing to read “Huang Xiao Yun”.

Meet 17-year-old Prashaant Ranganathan, winner of the Intel International Environmental Engineering Award

The 17-year-old won an award at the Intel International Science and Engineering Fair for developing a way to biodegrade a widely-used pesticide in India more effectively.

May 23, 2017 - Malavika Vyawahare



Prashaant Ranganathan, centre, with his friends in a recent photo. (Courtesy: Prashaant Ranganathan)

As part of a school project when Prashaant Ranganathan, a student at Carmel Junior college school in Jamshedpur, visited fields neighbouring the city, he was struck by a modern myth. Farmers believed their yield was proportional to the amount of pesticides they used. Their fields were awash with chemicals.

“Sometimes you could even smell the pesticide in the air,” Prashaant recounted. He knew it was a problem. “This is really scary because bees pollinate nearly a third of the food we consume and without them, we would descend into a terrible food crisis,” he said.

This anxiety about an impending food crisis also underlies the ongoing debate in India surrounding Genetically Modified crops that our food crop productivity is not keeping pace with population growth. GM food is an extreme technological solution to the problem.

“This is where I got my motivation to work to solve this problem which is plaguing farms across India and the world,” he said. That motivation has taken him far. Last week he won one of the most prestigious international science prizes for pre-college students. His project was the winner in the **environmental engineering category** of the Intel International Science and Engineering Fair.

Prashaant has developed a more effective way of breaking down **chlorpyrifos**, an ingredient in pesticides that kill ticks and mites. In India, it is the only low-cost termiticide available after Aldrin was banned, because of its reported use in lethal doses in farmer suicides.

In India, the biggest problems are the unchecked use and the lack of regulatory oversight. “Pesticides are used on a wide scale here farmers are able to use them directly,” **Tanu Jindal, director at Amity Institute for Environmental Toxicology**, said. “Our farmers are generally not well educated and get misled by industry representatives.”

Let alone rural populations, even in urban areas **people tend to ask for termiticides to used in liberal quantities as part of pest control measures**. “There is no need to use pesticides on such a large scale. We should use them when there are absolutely other alternatives,” Jindal added.

Use of pesticides might be a necessary evil, the problem is that they persist in the environment. In general, only 1 percent of the pesticides that are sprayed go to their target, the rest goes into the atmosphere, according to Jindal.

“Extensive use of chlorpyrifos contaminates air, groundwater, rivers, lakes, rainwater and fog water,” a 2015 paper that Jindal co-authored, found. “The over usage of chlorpyrifos is alarming in view of high persistence and its toxic effects on the living system.”

This is why efforts like Prashaant’s are important. “My project was on biodegradation of chlorpyrifos using native soil bacteria and Triton X. In which I used bacteria which was already found in the soil and increased its efficiency of biodegradation using a non-ionic detergent,” explained Prashaant.

Jindal, however, pointed out that the real challenge is applying these solutions in the fields. If there is a high concentration of chlorpyrifos in fields and water bodies the real question is how to apply the bacteria-based solution to the affected landscape.

The 17-year-old may not have all the answers now but he is planning to persist in his undertaking. The prize money he has won with the Intel award will go towards his education. He plans to study biology in college.

He made an early start. As a 4-year-old, experiments like growing peas in plastic cups kindled his interest. He went on to work on projects including developing an iron-based fertiliser, using a commonly found fungus to rid industrial effluents of carcinogenic chromium ions.

The Intel award has spurred him on. “It opens more opportunities to develop my project and get the word out and a chance to inspire the younger generation,” he said. **“Winning ISEF enables me to work with people and institutions I look up to and admire, which makes me move closer to my bigger goal of making a difference through science, which I guess is cool.”**

hindustantimes

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Melbourne is hit by a mouse plague as rodents invade homes in their thousands to escape the cold

By Bryant Hevesi - 22 May 2017

Mice are running rampant in the homes of Melbourne residents. The rodents have taken over the city in plague-like proportions with residents contacting pest control services reporting they have been inundated by mice.

Adam Pest Control's Peter Taylor said the mice have moved in from the country and agreed the city was in the grip of a mouse plague, in an interview with [3AW](#).

'Spring was very conducive to the breeding of mice. The population's quite large, and because we're now getting colder weather they're all coming inside,' Mr Taylor said. 'We've been pretty busy since March with a lot of staff doing overtime. It started in the country and now it's moving into the city, first to the outer suburbs and now even into the CBD.'



The mice population in Melbourne has grown substantially as the rodents seek protection from the cooler weather

A caller to the radio station's Ross and John program, who lives in the Malle region in the north-western part of Victoria, had previously said they had trapped 62 mice in just one day. Another caller from Traralgon, in eastern Victoria, said the town had sold out of mouse traps.



A pest control service said they had been inundated with calls from Melbourne (pictured) residents reporting problems with mice

Daily Mail Australia



Mice are also an issue in regional Victoria with some towns reportedly completely selling out of mouse traps



‘Godowns lack scientific pest control’

TNN / May 22, 2017



PALAKKAD: *The state-level advisory committee of the food corporation of India found unscientific pest management of food stocks in FCI godowns.*

The Committee Chairman, **MP, K K Ragesh**, along with other members visited the FCI godown at Puthupariyaram in the wake of reports about unscientific pest management of food stocks.

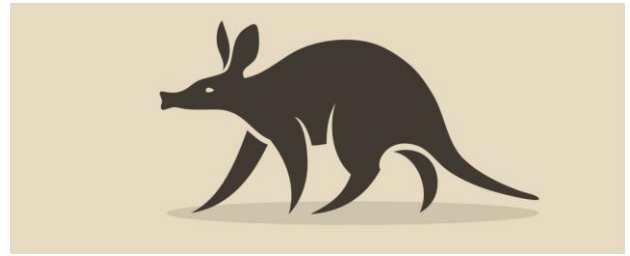
He said "the reports seem to be correct as it was found that there is no scientific pest management at FCI godown in Pudupariyaram. This is the case with other FCI godowns in the state".

Ragesh said that the matter will be brought to the attention of the FCI. "Though there are guidelines issued by **Food Safety and Standard Authority of India** on how to manage pest in the food stocks they are not followed," Ragesh added.

Advisory committee members held discussions with FCI general manager K C Sahu, deputy general manager B Biju and area manager K Jayaprakash. Abdul Kareem and Nedumankavu Gopalakrishnan were also among those who visited the site.



2017 is an historic milestone for our industry, as it is the very first year of the integration between FAOPMA and the Pest Summit. The FAOPMA/ Pest Summit 2017 in Thailand will be a testament to our newly-formed partnership (See Pages 7 & 8 for details).



EVEN THE AARDVARKS DIDN'T SEE THIS COMING

BY ALAN O'REILLY / APRIL 1, 2017

Shocking news has emerged that the military is investigating the alleged telepathic abilities of armadillos and their potential use as undercover intelligence agents.

The story starts in June 2015, when the South African newspaper "Tweespruit Chronicle" reported that local farmer **Ernst Blofeld** had encountered a telepathic armadillo while erecting fencing at his ranch a few miles south of the township.

Suspicions were aroused when trucks carrying poorly concealed termite mounds were often seen entering the grounds of Bloemfontein University. A spokesperson confirmed that some armadillos were being housed in the zoology department but would not reveal the reason for this.

Undercover investigators from animal charity **Prevent the Exploitation of Telepathic Armadillos (PETA)** have now revealed that scientists at the university are staring at armadillos for hours at a time in attempts to telepathically communicate with them. The University's Head of Psychology, **Pieter Annteeter**, admitted that the experiments were being funded by the military of a number of nations but would not be more specific. When asked if the United States was involved in these experiments, Head of Covert Operations **General Duane Howitzer** said: "If you can't read my mind, read my lips; that information is classified."

PETA spokesperson, **Lukas Pleezdonayte**, said: "We are concerned that the welfare of these animals is not being properly considered, for example, they need to be provided with regular breaks for burrow digging and termite snuffling. We appreciate the importance of this research but those involved should appreciate that a happy armadillo is an efficient armadillo."

We found this story on the web at the beginning of April. We know nothing about it – apart from the fact that it was posted on April 1st and The University's Head of Psychology, "Pieter Annteeter", is a bit "suss". Ed.

Signs your home needs Pest Control

NEW DELHI : May 18, 2017



Whether your home is old or new, at one point you will be required to call in a professional pest control expert. But, what is the right time? How to you know that pest-control is long overdue? Well, here are some telltale signs that indicate that now is the time –

Noticing Pests During the Day

Typically, pests are nocturnal creatures and get active at night. When you have called in a night and gone to bed, pests and bugs come out of the little holes and crevices of your bathroom and kitchen in search of food. However, if you are noticing cockroaches and ants sneaking out of their dungeon during the day, it indicates that there is a severe pest infestation in your home and an immediate remedy is required.

Home Littered with Pest Droppings

Have you been noticing small black pearls lying around your home? Well, these are pest droppings or fecal matter left behind by pests like rats, mice, cockroaches etc. Pest droppings are like coffee beans or peppercorn and often home owner may get confused. These droppings are highly unsanitary and if contaminated with food can cause serious health conditions. Therefore, if your kitchen cabinet, drawers and corners of the house are littered with pest droppings it's time to summon the exterminators.

Hearing Movements or Sound at Night

Have strange sounds or noises startled you at night? Well that's not the aftermath of a horror movie marathon, but creatures of the night are getting playful and active. As discussed at an earlier point, rodents and roaches seek out of their holes in search of food and water in the dead of night. The rustling sound clearly indicates that there is a pest invasion and to end these strange sounds, you will be required to call professional pest controllers.

Noticing Property Damage

Pests like rodents, termites, ants can cause serious property damage to your home. If the wires of electronic and other equipment are getting mysteriously chewed up or you are noticing small sand hills near the corners of the doors then it suggests that the property and furnishing of your home are under threat. Termite infestation is yet another thing you need to worry about, if your home has a lot of woodwork. Moisture and humid conditions are the biggest contributors to pest problems in homes. So, if the rainwater and puddle have caused seepage problem in your kitchen and bathroom, you will need pest control soon.

For the health of your family and to preserve the property, furnishing of your home, you need to get pest control done to your home time and again. Depending upon the type of pest control you have opted for, the effects can last up to 12 to 16 months. At the same time, you will have to ensure proper disposal of house waste, regular cleaning and sanitization of home to prevent a pest onslaught.

If you want to get pest control done to your home, its best to hire a professional pest control agency. Mobile apps like UrbanClap is the easiest way to find a pest controller in your city. For example, if you are living in Hyderabad, through the app you can find services related to pest control in Hyderabad. When going through the service offered by various pest controller in your city, make sure that they only use non-toxic products for the job.



RM2.66mil for Selangor pest control

by Loh Foon Fong, Ng Si Hooi and R.Aravinthan

MALAYSIAN Indian Restaurant Owners Association president **T. Muthusamy** hailed the RM2.66mil state government allocation for pest eradication in Selangor, *Malaysia Nanban* reported.

State executive council member and assemblyman for Sementa **Dr. Daroyah Binti Alwi** announced the allocation recently. The money will be spent to assist the 12 local councils in the state to eradicate rats, cockroaches and other pests in restaurants and eateries.

Muthusamy said restaurant operators should step up their own efforts and work with the authorities to eradicate pests.



New App Makes Termite Inspections A Little Easier

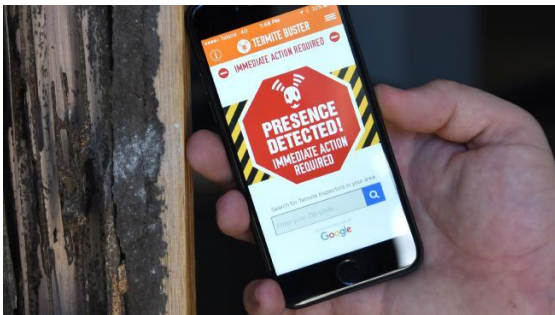
By Michael Mata / 23 May 2017

When inspecting potential investment properties, it helps to perform the necessary risk mitigation – including performing termite inspections. Those who fail to perform the necessary inspections could risk having termites cause thousands of dollars in damages to their properties.

Thankfully, a new smartphone app known as the “Termite Buster” has made termite inspections a little easier. Developed by Chris Kirk, Nick Akroyd, and Keiron Liddle, the app allows users to listen in on the destructive insects with their smartphones.

Kirk calls termites “head bangers” because if you hit a wall, termites will bang their heads to warn the colony of potential danger. By placing the smartphone close to the wall, the app can record the sounds made by the termites.

“The app takes those recordings to a cloud and analyses them to distinguish whether [they] are [the] sounds of termites,” Kirk said. He emphasised that his team wasn’t trying to replace professional termite inspectors or pest controllers. “We are making [the app] so people can check for termites as often as they want.”



David Merritt, associate professor at the University of Queensland’s School of Biological Sciences, said the app was useful, provided that the smartphone’s microphone was sensitive enough to detect termite sounds which humans can’t hear.

“Personally, if I banged on timber in a house and heard any tapping noise I would contact a pest controller quick-smart and not rely on an app to tell me what species it is; damage is already being done,” Merritt said. “Nevertheless, [the app] would be a good tool if a householder did not know what other signs to look out for, such as covered trails leading to timber, a hollow sound when tapping timber, or paper-thin paint covering eaten-out timber.”

your investment
property

Global Pest Control Company wins Queen’s Award for Enterprise



Rentokil Pest Control is among this year's winners of the Queen's Awards for Enterprise 2017.

The award is in the international trade category for **'outstanding continuous growth' in overseas sales over the last six years.** Part of Rentokil Initial plc, the company has overseas operations **across North America, Asia, Europe and the Pacific.**

Across the UK, a total of 176 companies have been recognised for their contribution to international trade, innovation and sustainable development. This year marks the 51st anniversary for the Queen' Awards scheme, which was launched in 1966.



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FAOPMA-Pest Summit 2017 CHIANG MAI - THAILAND

New Perspective in Urban and Public Health IPM in Asia and Oceania
22-24 November 2017 – The Empress Hotel, Chiang Mai, Thailand

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We decided from the beginning, to make this event, not only fruitful and informative for you and your business. but also an opportunity for you and your team to have "FUN" !!

We wanted this event to be a Fabulous (Festival, Foods, Friendship),
Unforgettable (Unwinding and Relaxing) experience, and
Networking (New-Contacts, New-knowledge, New-know-how).....FUN !!

| | |
|---|--|
| 21 November 2017 (Open for Exhibition Booths Setting Up) | |
| 14:00 – 18:00 | Registration |
| | FAOPMA's AGM and AGM Dinner (6 pm) |
| 22 November 2017 | |
| 07:00 – 09:00 | Registration |
| 09:00 – 10:00 | Opening Ceremony, Speeches and Tea break. |
| 10:30 – 11:15 | Keynote Lecture – <i>Present Challenges and Issues Confronting the Pest Management Industry and Vector Control in Asia.</i> (Prof. Chow-Yang LEE, Universiti Sains Malaysia). |
| 11:15 – 12:15 | Session 1: Urban and Public Health IPM in Perspectives |
| 12:15 – 14:00 | Lunch |
| 14:00 – 15:30 | Session 2: IPM in Public Health |
| 15:30 – 16:00 | Tea Break |
| 16:00 – 18:00 | Session 3: New Innovations in pest management |
| 23 November 2017 | |
| 08:30 – 10:30 | Session 4: IPM in buildings and structures |
| 10:30 – 11:00 | Tea Break |
| 11:00 – 13:00 | Session 5: IPM and Pest Management Business |
| 13:00 – 14:00 | Lunch |
| 14:00 – 15:30 | Session 6: IPM in Industrial Facilities |
| 15:30 – 16:00 | Tea Break |
| 16:00 – 17:00 | Session 7: IPM in Commercial Facilities |
| 19:00 – 22:30 | Bayer's Gala dinner and closing ceremony. |
| 24 November 2017 – AIB International Certification Course (Limited to 500 pax) | |
| 09:00 – 17:00 | AIB's "Basic Integrated Pest Management for Food Plants" by Anthony Raschke |

REGISTRATION

PERSONAL INFORMATION (Please use BLOCK LETTERS)

| | | | | | | | | | | | |
|------------------------------|--------------------------|------|--------------------------|--------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------|
| Title: (Please Tick) | <input type="checkbox"/> | Mr. | <input type="checkbox"/> | Mrs. | <input type="checkbox"/> | Prof. | <input type="checkbox"/> | Dr. | <input type="checkbox"/> | Others (Specify) | |
| Gender: | <input type="checkbox"/> | Male | <input type="checkbox"/> | Female | Food Preference: | <input type="checkbox"/> | Normal | <input type="checkbox"/> | Vegetarian | <input type="checkbox"/> | Others(specify) |
| First Name: | | | | | | Family Name: | | | | Nationality: | |
| Company/Organization: | | | | | | | | | Position: | | |
| Office Address: | | | | | | | | | Office Phone: | | |
| | | | | | | | | | Office Fax: | | |
| | | | | | | | | | Mobile Phone: | | |
| Email: | | | | | | | | | Passport No: | | |

Every Registered Participant shall receive a **Certificate of Participation** in English for attending this conference

BOOK ME UNDER THE FOLLOWING REGISTRATION CATEGORY (Please Tick Your Option)

| Tick | MEMBERSHIP STATUS: | Tick | NON-MEMBERSHIP STATUS: | | |
|--------------------------|---|--|---|--------------------------|------------|
| <input type="checkbox"/> | FAOPMA Member Registration | <input type="checkbox"/> | Overseas Non-Member Registration | | |
| <input type="checkbox"/> | Domestic Association Member Registration | <input type="checkbox"/> | Domestic Non-Member Registration | | |
| Tick | REGISTRATION FEE CATEGORY | Tick | MEMBER | Tick | NON-MEMBER |
| FAOPMA | Early Bird Registration (Before May 31, 2017) | <input type="checkbox"/> | US\$ 300 | <input type="checkbox"/> | US\$ 350 |
| | Regular Registration (June 01, 2017 Onwards) | <input type="checkbox"/> | US\$ 350 | <input type="checkbox"/> | US\$ 400 |
| | On-Site Registration | <input type="checkbox"/> | US\$ 450 | <input type="checkbox"/> | US\$ 500 |
| A.I.B. | Early Bird Registration (Before May 31, 2017) | <input type="checkbox"/> | US\$ 200 | <input type="checkbox"/> | US\$ 250 |
| | Regular Registration (June 01, 2017 Onwards) | <input type="checkbox"/> | US\$ 250 | <input type="checkbox"/> | US\$ 300 |
| | On-Site Registration | <input type="checkbox"/> | US\$ 350 | <input type="checkbox"/> | US\$ 400 |
| FAOPMA + AIB | Early Bird Registration (Before May 31, 2017) | <input type="checkbox"/> | US\$ 450 | <input type="checkbox"/> | US\$ 540 |
| | Regular Registration (June 01, 2017 Onwards) | <input type="checkbox"/> | US\$ 540 | <input type="checkbox"/> | US\$ 630 |
| | On-Site Registration | <input type="checkbox"/> | US\$ 630 | <input type="checkbox"/> | US\$ 810 |
| Tick | PAYMENT BY: | Please make your Full Net Payment by Bank Transfer to FAOPMA account as follows: | | | |
| <input type="checkbox"/> | Bank Transfer | Recipient Name: | Thailand Pest Management Association (TPMA) | | |
| | | Recipient Address: | 226/18 Pattanakarn Road, Prawet, Bangkok-10250, Thailand | | |
| | | Account Number: | 123-3-01713-1 | | |
| <input type="checkbox"/> | Cash On-Site | SWIFT Code: | SICOTHBK | | |
| | | Bank Name: | Siam Commercial Bank PCL. (SCB) | | |
| | | Bank Address: | 234/16-17 Pattanakarn Road, Prawet, Bangkok-10250, Thailand | | |

REGISTRATION INSTRUCTIONS

- Completely fill this form and **Fax To: +662-322-6530** or scan this form and send by **Email To: suchart.lee@gmail.com**
- Upon receive of this form and full net payment transfer, we will issue a digital copy of our Official Receipt and send to the registered Email Address of the participant. The original receipt will be handed over upon registration at the convention site, in Chiang Mai, Thailand.
- **Terms of Payment:** Full Payment (Net Amount after all related transfer fees) by Bank Transfer to TPMA's account, or Cash-on-Site.
- There will be no registration fee refund for cancellation made after **July 31, 2017**, however a substitute participant will be allowed.
- A 50% cancellation charge will be imposed for any cancellation made before **July 31, 2017** provided that all cancellations must be made in writing to the TPMA Secretariat only.

I accept and agree with the convention registration procedure and to comply with all conditions indicated.

| | | |
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| Name: | | Authorized Signature: |
| Date: | | |

Please Contact: **Su-Chart LEE** Email: suchart.lee@gmail.com Fax: **+662 322 6530** Mobile: **+66 91 918 1111**