

EXHIBITION BOOTHS

EXHIBITION AND INTERACTIVE ACTIVITIES

Chemistry of Environment and Health

Chemistry and Crime

Chemistry of Surfactants for Daily Living

Chemistry of Food and Palm Oil

Chemistry of Micro-Scale Apparatus

Chemistry of Drug and Poison

Chemistry Life Hacks

Innovation & Invention Competitions - Main
Theme: 'Trash to Treasure'



Selected pictures during K2M Zon Utara 2016



ORGANIZING COMMITTEE

Program Chairman

Dr. Mas Rosemal Hakim Mas Haris
(Elected IKM Council Member and Chairman of IKMNB)

Co-Chairmen

Tn. Mohamed Zaini Abdul Rahman
(Deputy Director General (Operations), JKM Headquarter)

Pn. Marhayani Md. Saad

(Director, Jabatan Kimia Malaysia Kedah/Perlis Branch)

Co-ordinators

Dr. Kathiresan Sathasivam
(Hon. Secretary of IKMNB and Registrar of AIMST University)

Dr. Nor Aziyah Bakhari

(Deputy Rector, Research and Industrial Linkage, UiTM Penang)

Dr. Shangeetha Ganesan

(Assistant Secretary of IKMNB)

Treasurer

Dr. Yeoh Kim Weng
(IKMNB)

Committee Members and Invited Judges

Velashini Seenivasagam, Vigneswari Rajaveloo, Syamimi Suhaimi, Jeevandran Sundarasekar, Tan Saw Hong, Uma Chandra Sagarana, Uvarani Letchmana, Ponnarasy Ganesan, Geyathiri Gopi, Annushuya Subha Reddy, Sasi Devi Ratnam, DS Murali Velavan, Suguneswary Ellappan, Maheswaran Dorai Singam, Rathneshwary Arumugam, Dr. Sundram Karupiah, Dr. Kasi Marimuthu, Dr. Sham Abdul Razak, Tn. Khairuzzaman Mustafa, Dr. Melati Khairuddin, Lim Hooi Sung, Abd. Rahim Ismail, Khuzaida Abdul Raof, Cik Padillah Yahya, Teoh Choon Ping, Abdul Jalil Abdul Rahman, Nor Shifa Shuib, Teh Lay Theng, Mohamad Zulfetri Rosli, Shuhada Shafie, Zaiton Abu Baidah, Dr. Lee Hooi Ling, Buvearasan Muniandy, Dr. Lee Chai Guan, Dr. Goh Teik Beng, Dr. Mohamad Nurul Azmi Mohammad Taib, Dr. Muhammad Bisyrul Hafi Osman, Dr. Nur Farhana Jaafar, Dr. Noor Haida Mohd Kaus, Datin Che Nin Man, Norjuliana Mohd Noor, Dr. Ainorkhilah Mahmood, Dr. Azrinawati Mohd Zin, Intan Syaffinazzilla Zaine and Munirah Ooi Abdullah .

SPECIAL THANKS

- Vice Chancellor of AIMST University
- President of Institut Kimia Malaysia
- Members of Institut Kimia Malaysia
- Directors & staff of Jabatan Kimia Malaysia (Kedah & Penang)
- Directors & staff of Jabatan Pelajaran Penang, Kedah and Perlis
- Academic Staff and Students of AIMST Univ, USM and UiTM Penang
- Invited Speakers, Exhibitors, Organizing Committee K2M Zon Utara
- Judges of Innovation and Invention Competition 2017
- To all who have contributed directly or indirectly in making K2M Zon Utara 2017 a success.



KARNIVAL KIMIA MALAYSIA (K2M) ZON UTARA 2017

► **Innovation & Invention
Competition**

► **Invited Talks**

"Chemistry, our life our future"

► **Exhibition Booths - by
Universities, Public
& Private Sectors**

19th September 2017

Jointly organized by:

IKM NORTHERN BRANCH,

AIMST UNIVERSITY

**and JABATAN KIMIA MALAYSIA
(KEDAH & PENANG BRANCHES)**



KARNIVAL KIMIA MALAYSIA

2017 ZON UTARA

Karnival Kimia Malaysia (K2M) is a national program launched on 15 April 2011 by the Honourable Minister of Science, Technology and Innovation Malaysia, YB Datuk Seri Dr. Maximus Johnity Ongkili at Pusat Sains Negara, Bukit Kiara, Kuala Lumpur, in conjunction with the celebration of the International Year of Chemistry 2011. **K2M Zon Utara 2011** was jointly organized by Institut Kimia Malaysia Northern Branch (IKMNB), USM (via School of Chemical Sciences) and Jabatan Kimia Malaysia (JKM) Penang Branch. **K2M Zon Utara 2012** was jointly organized by IKMNB, UiTM Penang Campus and JKM Penang Branch. **K2M Zon Utara 2013** was jointly organized by IKMNB, Jabatan Pelajaran Pulau Pinang (via Pejabat Pelajaran Daerah Seberang Perai Tengah) and JKM Penang. **K2M Zon Utara 2015 and 2016** were jointly organized by IKMNB, AIMST University and JKM Kedah & Penang branches.

K2M Zon Utara 2017 is also jointly organized by IKMNB, AIMST University and JKM Kedah & Penang branches. Among the activities are (i) Innovation & Invention Competition for three categories - School, Diploma/Matriculation and University Levels, (ii) Invited Talks, and Chemistry related Exhibition Booths. The event will be held on 19 September 2017 at AIMST University, Sungai Petani, Kedah Darul Aman, Malaysia.

OBJECTIVES

- To promote public awareness and appreciation of sciences (via exhibition and hands-on participation) that are in line with national requirements for education in schools and universities.
- To illustrate the innovative and inventive nature of chemistry and related fields particularly in transforming "Trash to Treasure".
- To expose and encourage the younger generation to pursue various fields of science and technology.

PROGRAMME

19 SEPTEMBER 2017 (TUESDAY)

0730 REGISTRATION AND BREAKFAST

0800 Briefing of Judging Criteria for Innovation and Invention - Trash to Treasure by **Dr. Mas Rosemal Hakim bin Mas Haris**
Head Judge & Chairman of IKMNB

OUTLINE OF EVENTS:

0845 Event Master Ceremony

0900 Welcoming Speech
Dr. Kathiresan Sathasivam
Hon. Secretary of IKMNB & Registrar of AIMST University

0915 Keynote: Introduction to IKM and its roles
Dato' Dr. Ong Eng Long
President of IKM

0935 Officiating Address
Professor Manickam Ravichandran
Vice-Chancellor of AIMST University

1000 Plaque exchange ceremony

1015 Visit to Exhibition and Competition Booths
Cutting of ribbons and group photos

1100 Beginning of competition evaluation

Parallel Session - Invited Talks:

1100 "The Chemistry Behind and You - Document Examination"
Miss Juneiffa Quek
JABATAN KIMIA MALAYSIA,
Penang Branch

PROGRAMME

1120 **"Natural Products - Basic Fundamental and Consumer Preference"**
Dr. Melati binti Khairuddean, Ph.D.
School of Chemical Sciences
UNIVERSITI SAINS MALAYSIA

1140 **"Use and Abuse of Over-the-Counter (OTC) Drugs"**
Dr. Hazariah binti Abu Hassan, M.B.,B.Ch.
Registered Occupational Health Doctor
& Private Practitioner

1200 **"Pesticides Residue: Friends or Foes"**
Abd. Rahim bin Ismail
JABATAN KIMIA MALAYSIA,
Kedah Branch

1300 LUNCH BREAK

1400 Continuation competition evaluation

1530 Summary of evaluation reports by panel of judges

1600 TEA BREAK

1620 **Closing Ceremony:**

- Welcome- Emcee
- Speech by the Guest of Honor
- Giving out of certificate of recognitions
- Awards for Innovation & Invention Competition for the following categories:
(i) School
(ii) Diploma/Matriculation
(iii) Open / University

1700 Concluding remarks

1710 Vote of thanks

