

EXHIBITION BOOTHS

Exhibition and Interactive Activities

Chemistry of Micro-Scale Apparatus (USM)

Natural Products (USM)

Medical & Dental Exhibits (AIMST)

Chemistry and Crime (KIMIA MALAYSIA)

Chemistry of Food (KIMIA MALAYSIA)

Chemistry for Daily Living (Industry)

Chemistry Games (UiTM)

Poison & Drugs (AADK)

Innovation & Invention Competitions

Theme of K2M Zon Utara:

“Chemistry Our Life Our Future”



Selected pictures during K2M Zon Utara 2016 & 2018



ORGANIZING COMMITTEE

Chairmen

Dato' ChM Dr. Hj. Mas Rosemal Hakim bin Mas Haris
ChM Snr AP Dr. Kathiresan Sathasivam

Co-Chairmen

(Director, Jabatan Kimia Malaysia, Negeri Pulau Penang)
(Director, Jabatan Kimia Malaysia, Negeri Kedah)

Co-ordinators

ChM AP Dr. Nor Aziyah binti Bakhari (IKMNB)
ChM Marina binti Mokhtar (IKMNB)
Additional names TBD (AIMST University and USM)

Treasurer & Assistant

ChM AP Dr. Lim Vuanghao (IKMNB)
ChM Airul Azmel bin Ismail (IKMNB)

Program Committee Members

ChM Damien Khoo Yiyuan,
ChM AP Dr. Melati binti Khairuddean
ChM AP Dr. Lee Hooi Ling, ChM Dr. Lee Chai Guan
ChM Buvearasan a/l Muniandy,
ChM Dr. Thiruvethan a/l Karunakaran
ChM Dr. Muhammad Hakim bin Shafie,
ChM Zaiton binti Abu Baidah,
ChM Dr. Sumiyah binti Sabar, ChM Dr. Goh Teik Beng,
ChM Dr. Mohd Ridhwan bin Adam

Additional names to be included (from AIMST University, USM, UiTM and other Institution)

Invited Judges and Head of Exhibition Booths
List of Names to be included later.



KARNIVAL KIMIA MALAYSIA ZON UTARA 2023 **(K2M Zon Utara 2023)**

Activities:

- ◆ *3-Minute Talk: Online Competition*
 - ◆ *Innovation & Invention: Competition*
 - ◆ *Seminar/Talk by Invited Experts*
 - ◆ *Exhibition Booths*
- (Universities, Industrial & Private Sectors)*

Date & Venue:

- ◆ **15TH JUNE 2023**
- ◆ **AIMST UNIVERSITY**

Jointly organised by:

- ◆ **IKM Northern Branch**
&
◆ **AIMST University**
&
◆ **KIMIA MALAYSIA**
(Penang and Kedah)

KARNIVAL KIMIA MALAYSIA ZON UTARA 2023

Karnival Kimia Malaysia (K2M) is a national program which was first launched on the 15th of 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 (School of Chemical Sciences) and Jabatan Kimia Malaysia (JKM) Penang Branch. **K2M Zon Utara 2012** was jointly organized by IKMNB, UiTM Penang and JKM Penang Branch. **K2M Zon Utara 2013** was jointly organized by IKMNB, Jabatan Pelajaran Pulau Pinang (Pejabat Pelajaran Daerah Seberang Perai Tengah) and JKM Penang. **K2M Zon Utara 2015 and 2017** were jointly organized by IKMNB, AIMST University and JKM Kedah & Penang branches. **K2M Zon Utara 2018** was jointly organized by IKMNB, USM (School of Chemical Sciences), JKM (Kedah & Penang branches).

K2M Zon Utara 2023 shall be again jointly organized by IKMNB, AIMST University and KIMIA MALAYSIA (Penang & Kedah branches). Among the activities are (i) 3-Minute Talk: Online Competition, (ii) Innovation & Invention Competition, (iii) Invited Talks, and (iv) Exhibition Booths (Universities, Industrial & Private Sectors). The event will be held on 15th June 2023 at AIMST University, Bedong, Kedah, 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.
- To expose and encourage the younger generation to pursue various fields of science and technology.

PROGRAMME

15th June 2023 (THURSDAY)

- 0800 Registration & setting up of booths.
0810 Final briefing on judging criteria of competitions.
0830 Arrival of invited guests and VIP.
0900 **OPENING CEREMONY**
- ◆ Prayer recital
 - ◆ Welcome Address by Chairman of K2M ZU 2023
 - ◆ Keynote Address by President of IKM
 - ◆ Officiating Address by VC of AIMST University
 - ◆ Plenary Talk by IKM Council member / President of Forensic Science Society of Malaysia
 - ◆ Giving of souvenirs & group photograph session
- 1000 **Visit to Exhibition and Competition Booths**
- ◆ Cutting ribbons
- 1030 Tea-break for the invited guests and VIP
1045 **PARALLEL ACTIVITIES:**
- (a) **Evaluation of competitions** (invited judges)
 - (b) **Invited talk:**
 - i. “Material Chemistry” (AIMST University)
 - ii. “Natural Products” (USM)
 - iii. “Mycotoxins” (Kimia Malaysia)
 - iv. “Medicine or Drugs” (Doctor or Drug Specialist)
- 1230 **CLOSING CEREMONY**
- (a) Presentation of Certificates
 - (b) Presentation of Awards
 - (c) Vote of thanks and Concluding remarks
- 1330 **LUNCH & End of event**



SPECIAL THANKS

- President of Institut Kimia Malaysia
- Vice Chancellor of AIMST University
- Directors of Kimia Malaysia (Kedah & Penang)
- Directors & Personnel of “Jabatan Pendidikan Negeri Pulau Pinang, Kedah & Perlis”
- Invited Speakers and Exhibitors
- Organizing Committee K2M Zon Utara 2023
- Judges of I&I and 3-Minute Talk Competitions
- Facilitators, Teachers & Students of schools involved in the I&I Competition and K2M activities
- Members of Institut Kimia Malaysia
- Academic Staff and Students of USM, UiTM Penang & AIMST University
- To all who have contributed directly or indirectly in making K2M Zon Utara 2023 a success.



**Participated by Academicians, Students,
Administrators & Personnel affiliated with:**



**NATIONAL
STEM
ASSOCIATION**



KARNIVAL KIMIA MALAYSIA (K2M) - SCIENCE INNOVATION CHALLENGE

1. This competition is conducted by Institut Kimia Malaysia Northern Branch, AIMST University and Jabatan Kimia Malaysia (Kedah & Penang). It is open to all schools with the approval of the Ministry of Education of Malaysia.
2. Every school can submit any number of entries (no limitation) with the requirement that each team should consists of not more than 5 participants (students and teacher advisers).
3. Each team must provide an abstract for the competition (1 page only is enough).
4. The dateline for the registration and submission of abstract is on **2 June 2023**.
5. Entry for the innovation competition must be registered via the online form given here: <https://forms.gle/zfgQCobF2aHjGKbm8>.
6. **JUDGING CRITERIA:**
 - (i) Creativity on the presentation & design of ideas (**40%**).
 - (ii) Innovative - changes/improvement of existing product (**20%**).
 - (iii) Marketability Potential (**20%**).
 - (iv) Inventive – novelty (brand new or existence product/project) (**10%**).
 - (v) Ready for commercialization or already in the market (**10%**).
7. **AWARDS/ PRIZES*:**
 - (i) **Gold Medal** - One Medal per team + Certificate (2 winners).
 - (ii) **Silver Medal** - One Medal per team + Certificate (3 winners).
 - (iii) **Bronze Medal** - One Medal per team + Certificate (5 winners)

**The judges' decision is final.*

Thank you for your kind attention. We look forward to getting your participation!

For further information, please email to ikmnbsecretary@gmail.com or call +604-4298153.

Thanking you in advance,

Dato' Dr. Hj. ChM Mas Rosemal Hakim bin Mas Haris

& Snr Assoc Prof Dr. ChM Kathiresan V. Sathasivam,

CHAIRMEN of KIMIA KANIVAL MALAYSIA 2023