



INSTITUT KIMIA MALAYSIA

**ANNUAL REPORT
2023/2024**

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Contents

| | Page |
|--|------|
| Contents | 1 |
| I Highlights | 2 |
| II Council | 2 |
| III Interaction with National, Regional and Professional Organizations | 19 |
| IV Steering Committees | 24 |
| V Events in 2024 | 25 |
| VI Activities of Branches | 26 |
| VII Activities of Divisions & Committees | 39 |
| VIII Appreciation | 52 |
| IX Appendices | 54 |
| A: Membership Changes | 54 |
| B: 2023 IKM Laboratory Excellence Awards | 64 |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

1. This report covers the period from April 2023 to March 2024.

I: HIGHLIGHTS

2. The IKM Professional Centre is located a floor below the IKM Secretariat Office at Taman Tun Dr Ismail, Kuala Lumpur and has been operational since September 2003. In 2023, a total of 33 courses on laboratory quality management and laboratory safety as well as analytical techniques and instrumentation were successfully conducted. Mostly, the courses conducted by IKM Professional Centre are HRDCorp claimable.
3. Four issues of the Berita IKM – Chemistry in Malaysia were published in 2023. Five issues of the Malaysian Journal of Chemistry (MJChem) were also published on-line. A dedicated website for MJChem (<https://ikm.org.my/publications/malaysian-journal-of-chemistry/>) has been set up. The Malaysian Journal of Chemistry (MJChem) is indexed in Scopus.
4. The final draft of the Program Standards for Chemistry degree has been submitted to the Malaysian Qualifications Agency (MQA) for review. The program standard is drafted based on the feedback obtained from the stakeholders, MQA and Ministry of Education (MOE).
5. The 9th Network of Inter-Asian Chemistry Educators (9NICE) Conference 2023 was held in Kuching, Sarawak from 28 - 30 July 2023. This year's 9NICE Conference attracted 197 participants from 6 countries.
6. IKM successfully organized the ICPAC Bali 2023 at the Patra Bali Resort & Villa, Bali, Indonesia from 12-17 September 2023. For ICPAC Bali 2023, we had a total of 231 delegates coming from 10 countries.
7. The Kuiz Kimia Kebangsaan Malaysia 2023 (K₃M 2023) was held on 5 October 2023 at participating schools nationwide. A total of 38,470 students registered for the K₃M 2023; 32,136 students from Form 4 and 5 took part in the O level quiz, while 6,334 students from Form 6 and Matriculation participated in the Advanced level quiz.
8. The 16th Asian Conference on Analytical Sciences, ASIANALYSIS XVI 2023, was successfully organised at the Kuala Lumpur Convention Centre, Malaysia from 9-12 October 2023. A total of 311 delegates from 22 countries attended this conference.
9. The 15th Refresher Course for those who intend to sit for the IKM LMIC Examination was held from 8 July 2023 to 20 August 2023. The course is based on the syllabus of the IKM Part I Examination and is intended for those sitting for the IKM Licentiate Membership Examination. A total of 32 participants attended this course.
10. A total of 45 candidates registered for IKM LMIC Examination 2023 of which 33 candidates passed the examination. 10 candidates failed and 2 withdrew from the examination. The 2023 LMIC Examination was held from 2-4 September 2023 at Universiti Malaya.
11. The Annual Malam Kimia & Presentation of IKM Awards 2023 was held on Friday, 1 December 2023.
12. Membership of the Institute increased from 5474 to 5819 for the year 2023.
13. IKM continues to interact and participate in the activities of several national, international and professional organizations such as COSTAM, BIM, MSA, KISM, RSC and RSC Malaysia, ACS and ACS Malaysia Chapter, FACS, FAPS, OPCW and IUPAC.

II: COUNCIL

14. The Council consists of the Registrar who is the Director-General of Chemistry and 15 elected Council Members, who serve a term of 3 years from the year of his/her last election to the Council. The Chemists Act also provides for members who can contribute to the development of the profession and to IKM to be co-opted into the Council. The 2023/2024 Council of the Institute is as follows:

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

IKM Council 2023/2024

Registrar

ChM Halimah binti Abdul Rahim (*effective 25 January 2023*)

Elected Council Members

President

Datuk ChM Dr Soon Ting Kueh

Vice-President

Datin ChM Dr Zuriati Zakaria

Hon. Secretary

ChM Chang Hon Fong

Hon. Treasurer

ChM Dr Malarvili Ramalingam

Hon. Asst. Secretary

Prof. ChM Dr Juan Joon Ching

Hon. Asst. Treasurer

ChM Dr Yang Farina Abdul Aziz

Council Members

Dato' ChM Dr Hj Mas Rosemal Hakim Mas Haris

DCP(R) Assoc. Prof. Dato' ChM Dr Yew Chong Hooi

Datin ChM Maimonah Binti Sulaiman

Academician ChM Dr Ho Chee Cheong

ChM Marhayani binti Md. Saad

ChM Dr Li Hui Ling

ChM Ts Damien Khoo Yiyuan

Asst. Prof ChM Dr Yvonne Choo Shuen Lann

Prof ChM Dr Rusli Daik

Co-opted Council Members

ChM Dr Nurul Huda binti Abd Karim

Assoc Prof ChM Dr Fatimah Salim

Dato' ChM Dr Hj Mas Rosemal Hakim Mas Haris

ChM Yap Fei Ching

ChM Dr John Chan Sung Tong

ChM Dr Jenny Lee Nyuk Len

Asst Prof ChM Dr Wong Lai Peng

ChM Teo Chook Kiong

Asst Prof ChM Dr Awis Sukarni bin Mohmad Sabere

Chairman, IKM Northern Branch

Chairman, IKM Southern Branch

Chairman, IKM Sarawak Branch

Chairman, IKM Sabah & F.T. Labuan Branch

Chairman, IKM Perak Branch

Chairman, IKM Terengganu Branch

Chairman, IKM Pahang Branch

15. The Council held 6 meetings:

| | |
|---------------------------|-------------------|
| 328 th Meeting | 18 Mac 2023 |
| 329 th Meeting | 6 May 2023 |
| 330 th Meeting | 22 July 2023 |
| 331 st Meeting | 15 September 2023 |
| 332 nd Meeting | 2 December 2023 |
| 333 rd Meeting | 3 March 2024 |

16. The following Council members who will retire on rotation in accordance with the Rules but are eligible to seek re-election are:

| | |
|---|-----------------|
| Datin ChM Dr Zuriati Zakaria | Elected in 2021 |
| ChM Dr Malarvili Ramalingam | Elected in 2021 |
| DCP(R) Assoc. Prof. Dato' ChM Dr Yew Chong Hooi | Elected in 2021 |
| Datin ChM Maimonah Sulaiman | Elected in 2021 |
| Prof ChM Dr Rusli Daik | Elected in 2023 |

17. The attendance at Council Meetings are as follows:

| <u>Members</u> | 328 | 329 | 330 | 331 | 332 | 333 |
|-------------------------------|-----|-----|-----|-----|-----|-----|
| Datuk ChM Dr Soon Ting Kueh | √ | A | √ | √ | √ | √ |
| Datin ChM Dr Zuriati Zakaria | √ | √ | √ | √ | √ | √ |
| ChM Halimah binti Abdul Rahim | √ | √ | √ | √ | √ | √ |
| ChM Chang Hon Fong | √ | A | √ | √ | √ | √ |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | | | | | | |
|---|---|---|---|---|---|---|
| ChM Dr Malarvili Ramalingam | √ | √ | √ | √ | √ | √ |
| Prof ChM Dr Juan Joon Ching | √ | √ | √ | √ | √ | √ |
| ChM Dr Yang Farina Abdul Aziz | √ | √ | √ | √ | √ | √ |
| DCP(R) Assoc. Prof. Dato' ChM Dr Yew Chong Hooi | √ | √ | √ | √ | √ | √ |
| Datin ChM Maimonah Sulaiman | √ | A | √ | √ | A | √ |
| Dato' ChM Dr Hj Mas Rosemal Hakim Mas Haris | √ | √ | √ | √ | √ | √ |
| ChM Marhayani binti Md. Saad | A | √ | √ | A | √ | A |
| ChM Dr Li Hui Ling | √ | √ | √ | √ | √ | √ |
| ChM Ts Damien Khoo Yiyuan | √ | √ | √ | A | √ | A |
| Asst. Prof ChM Dr Yvonne Choo Shuen Lann | √ | √ | √ | √ | √ | √ |
| Academician ChM Dr Ho Chee Cheong | √ | √ | √ | A | √ | √ |
| Prof ChM Dr Rusli Daik | √ | √ | √ | √ | √ | √ |
| ChM Dr Nurul Huda binti Abd Karim | | √ | √ | √ | √ | √ |
| Assoc Prof ChM Dr Fatimah Salim | | √ | √ | √ | √ | √ |
| ChM Yap Fei Ching | √ | √ | √ | A | √ | √ |
| ChM Dr John Chan Sung Tong | A | √ | A | A | √ | √ |
| ChM Dr Jenny Lee Nyuk Len | √ | √ | √ | √ | A | √ |
| Asst Prof ChM Dr Wong Lai Peng | √ | √ | √ | √ | √ | √ |
| ChM Teo Chook Kiong | √ | √ | √ | √ | √ | √ |
| Asst Prof ChM Dr Awis Sukarni bin Mohmad Sabere | √ | √ | √ | √ | √ | √ |

A – Absent with apologies

18. The following committees were established by the Council to carry out its functions:

| ADMINISTRATION & FINANCE | |
|---|---|
| Administration & Finance Committee | ChM Chang Hon Fong (Chairperson) & ChM Dr Malarvili Ramalingam (Co-Chairperson) |
| Malam Kimia 2023 Organizing Committee | Prof. ChM Dr Juan Joon Ching |
| ICPAC Bali 2023 Organizing Committee | Datuk ChM Dr Soon Ting Kueh |
| 9th Network of Inter-Asian Chemistry Educators (9NICE) Conference 2023 Organizing Committee | Datuk ChM Dr Soon Ting Kueh |
| 16th Asian Conference on Analytical Sciences (ASIANALYSIS) 2023 Organizing Committee | ChM Dr Malarvili Ramalingam (Chairperson) & Datin ChM Dr Zuriati Zakaria (Co-Chair) |
| Benevolent Fund Committee | DCP(R) Assoc. Prof. Dato' ChM Dr Yew Chong Hooi |
| PUBLICATIONS | |
| Berita IKM: Chemistry in Malaysia Editorial Board | Datin ChM Dr Zuriati Zakaria |
| Malaysian Journal of Chemistry Editorial Board | Datin ChM Dr Zuriati Zakaria |
| PROFESSIONAL AFFAIRS & DEVELOPMENT | |
| Professional Affairs Committee | Academician ChM Dr Ho Chee Cheong |
| Membership Committee | ChM Halimah binti Abdul Rahim & Datuk ChM Dr Soon Ting Kueh |
| Examination Board | Datin ChM Dr Zuriati Zakaria (Chairperson) & ChM Dr Malarvili Ramalingam (Co-Chairperson) |
| IKM Professional Centre Development Committee | ChM Chang Hon Fong |
| Laboratory & Quality Assurance Committee | Laboratory Excellence Award ChM Dr Li Hui Ling (Chairperson) Dato' ChM Dr Hj Mas Rosemal Hakim bin Mas Haris (Co-Chairperson) |
| | Chemical & Occupational Safety & Health ChM Marhayani Binti Md. Saad |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| IKM HQ & BRANCHES | |
|---|--|
| <i>IKM HQ</i> | Datuk ChM Dr Soon Ting Kueh (soontk@ikm.org.my) |
| <i>IKM Northern Branch Committee</i> | Dato' ChM Dr Hj Mas Rosemal Hakim bin Mas Haris (rosemalharis@gmail.com) |
| <i>IKM Southern Branch Committee</i> | ChM Yap Fei Ching (rachelyap0609@gmail.com) |
| <i>IKM Sarawak Branch Committee</i> | ChM Dr. John Chan Sung Tong (johnchan@chemsain.com) |
| <i>IKM Sabah & FT Labuan Branch Committee</i> | ChM Dr Jenny Lee Nyuk Len (jennylee1318@yahoo.com) |
| <i>IKM Perak Branch Committee</i> | Asst Prof ChM Dr Wong Lai Peng (wonglp@utar.edu.my) |
| <i>IKM Terengganu Branch Committee</i> | ChM Teo Chook Kiong (tchookkiong@petronas.com) |
| <i>IKM Pahang Branch Committee</i> | Asst Prof ChM Dr Awis Sukarni Bin Mohmad Sabere (awissabere@iium.edu.my) |
| ACADEMIC & INDUSTRIAL DIVISIONS / NETWORK | |
| <i>Division of Inorganic & Bioinorganic Chemistry (DIBC)</i> | ChM Dr Yang Farina Abdul Aziz, <i>Chairperson</i> (yfarina@gmail.com) ChM Dr Nurul Huda binti Abd Karim, <i>Co-Chairperson</i> (nurulhuda@ukm.edu.my) |
| <i>Division of Analytical Chemistry (DAC)</i> | ChM Dr Malarvili Ramalingam (malar@kimia.gov.my) |
| <i>Division of Organic & Biomolecular Chemistry (DOBC)</i> | Datin ChM Dr Zuriati Zakaria, <i>Chairperson</i> (zuriatiz@gmail.com) Assoc. Prof ChM Dr Fatimah Salim, <i>Co-Chair</i> (fatimah2940@uitm.edu.my) |
| <i>Division of Physical & Theoretical Chemistry (DPTC)</i> | Asst. Prof ChM Dr Yvonne Choo Shuen Lann (yvonnechoosl@gmail.com) |
| <i>Division of Polymers & Materials Chemistry (DPMC)</i> | Prof. ChM Dr Rusli Daik (rusli.daik@ukm.edu.my) |
| <i>Division of Green & Sustainable Chemistry (DGSC)</i> | Prof. ChM Dr Juan Joon Ching (joon.c.juan@gmail.com) |
| <i>Division of Food Science and Nutrition (DFSN)</i> | Datin ChM Maimonah Sulaiman, <i>Chairperson</i> (maimonahsulaiman@gmail.com) ChM Dr Li Hui Ling, <i>Co-Chairperson</i> (lhling@kimia.gov.my) |
| <i>Division of Forensic Chemistry (DFC)</i> | DCP(R) Assoc. Prof. Dato' ChM Dr Yew Chong Hooi, <i>Chairperson</i> (drych23@gmail.com) Datin ChM Maimonah Sulaiman, <i>Co-Chairperson</i> (maimonahsulaiman@gmail.com) |
| <i>Malaysian Young Chemists Network</i> | Prof. ChM Dr Juan Joon Ching (joon.c.juan@gmail.com) |
| COMMITTEES | |
| <i>Committee on Chemistry Education & Community (CCEC)</i> | Datuk ChM Dr Soon Ting Kueh (soontk@ikm.org.my) |
| <i>Committee on Chemistry & Industry (CCI)</i> | ChM Ts Damien Khoo Yiyuan (damienkhoo@gmail.com) |
| <i>Committee on Chemistry Invention & Innovation (CCII) / Kimia Inovasi dan Inovasi Malaysia (KI2M)</i> | Datuk ChM Dr Soon Ting Kueh (soontk@ikm.org.my) |

INVESTIGATION COMMITTEE & DISCIPLINARY COMMITTEE

19. Members of the IKM Investigation Committee are:

DCP(R) Assoc. Prof. Dato' ChM Dr Yew Chong Hooi (Chairman)
 Dato' ChM Dr Hj Mas Rosemal Hakim bin Mas Haris
 Prof. ChM Dr Juan Joon Ching

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

20. The IKM Disciplinary Committee comprises the following:
ChM Halimah Binti Abdul Rahim (Chairman)
Datuk ChM Dr Soon Ting Kueh
Datin ChM Dr Zuriati Zakaria
ChM Dr Yang Farina Abdul Aziz
ChM Dr Malarvili Ramalingam
21. During the year under review, no disciplinary cases were reported.

MEMBERSHIP

22. The IKM Membership Committee comprises the following members:
ChM Halimah binti Abdul Rahim (Chairperson)
Datuk ChM Dr Soon Ting Kueh (Co-Chairperson)
Datin ChM Dr Zuriati Zakaria
ChM Chang Hon Fong
Prof ChM Dr Juan Joon Ching
Academician ChM Dr Ho Chee Cheong
ChM Dr Tan Guan Huat
Prof ChM Dr Irmawati Ramli
ChM Dr Chan Boon Lye
23. The committee held 5 meetings on 8 February, 17 April, 17 July, 7 September and 24 November 2023 to consider applications for membership and upgrading. A summary of the membership changes in 2023 is given below.

New Members

| | |
|-------------|-----|
| Members | 248 |
| Licentiates | 169 |

Upgraded

| | |
|------------------------|----|
| Members to Fellows | 4 |
| Licentiates to Members | 45 |

Deregistered (for non-payment of annual retention fees):

| | |
|-------------|----|
| Members | 40 |
| Licentiates | 21 |

Deceased

| | |
|-------------|---|
| Fellow | 1 |
| Members | 5 |
| Licentiates | 3 |

Resigned

| | |
|---------|---|
| Members | 2 |
|---------|---|

MEMBERSHIP STATISTICS

24. The existing membership is as follows:

| As at | 1 January 2023 | 31 December 2023 |
|-------------|----------------|------------------|
| Fellows | 103 | 106 |
| Members | 4100 | 4342 |
| Licentiates | 1271 | 1371 |
| Total | 5474 | 5819 |

25. There was a net increase in membership of 345 for the year 2023. A full detail of the changes in the membership in 2023 are given in Appendix A.

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

CONTROL OF LABORATORIES

26. Laboratories will be inspected by the inspectors appointed under the Chemists Act only if an official complaint is received as given in Section 27 (2) of the Chemists Act. No complaints were received for the year under review.

MEMBERSHIP EXAMINATION

27. The IKM Examination Board for 2023/2024 comprised the following:
Datin ChM Dr Zuriati Zakaria (Chairperson)
ChM Dr Malarvili Ramalingam (Co-Chairperson)
Prof ChM Dr Lee Yook Heng
Hon. Col. (CD) Snr. Assoc. Prof. ChM Dr. Kathiresan a/l Sathasivam
Assoc Prof ChM Dr Lo Kong Mun
Assoc Prof ChM Dr Fatimah Salim
28. The Board held 1 meeting on 26 September 2023 to discuss matters related to the Examination.
29. The Refresher Course comprises 4 modules on Inorganic Chemistry, Organic Chemistry, Physical Chemistry and Analytical Chemistry with a total of 80 hours of lectures. The lectures are held on weekends (Saturdays and Sundays) and the course fee is RM4,000 per participant.

IKM PROFESSIONAL CENTRE

30. The calendar of courses for 2023 was published at IKM website & Facebook.
31. A total of 33 trainings were conducted in 2023:

| No | Trainings in 2023 | Number of Participants | |
|----|---|------------------------|----------------|
| | | IKM Member | Non-IKM Member |
| 1 | General QA/QC Procedures for Testing Laboratories (QAQC42) - In Person Date: 04-05 January (Wed & Thur) Trainer: ChM Pua Hiang | 5 | 9 |
| 2 | MS ISO/IEC 17025:2017 Management Systems Internal Auditing (IAT34) - In Person Date: 09-10 January (Mon & Tue) Trainer: ChM Pua Hiang | 10 | 12 |
| 3 | Statistical Methods for Chemists (BSM26) - Online Date: 14-15 January (Sat & Sun) Trainer: Prof ChM Dr Sharon Teh Geok Bee | 6 | 1 |
| 4 | Understanding the Elements of MS ISO/IEC 17025:2017 (ISO46) - In Person Date: 13 - 14 Feb (Mon & Tue) Trainer: ChM Chang Hon Fong | 9 | 15 |
| 5 | Method Validation & Quantification of Measurement Uncertainty in Microbiological Testing (MVUM5) - In Person Date: 15 - 16 Feb (Wed & Thur) Trainer: Dr New Chia Yeung | 1 | 14 |
| 6 | Procedures of Method Validation & Verification (MVV42) - In Person Date: 20-21 Feb (Mon & Tue) Trainer: ChM Chang Hon Fong | 14 | 12 |
| 7 | Decision Rules and Conformity Assessment Meeting The MS ISO/IEC 17025:2017 Requirements (DRSC5) – Online Date: 06 Mar (Mon) Trainer: ChM Chang Hon Fong | 8 | 9 |
| 8 | Root Cause Analysis and Corrective Actions on Unsatisfactory Proficiency Testing (PT) Performance (RCA3) - In Person Date: 07 Mar (Tue) Trainer: ChM Dr Li Hui Ling | 6 | 1 |
| 9 | Measurement Uncertainty in Chemical Analysis (MU41) Date: 08 - 09 Mar (Wed & Thurs) Trainer: ChM Chang Hon Fong | 11 | 15 |
| 10 | Basic Laboratory Skills & Techniques (BSLT12) - Online Date: 11-12 Mar (Sat & Sun) Trainer: Prof ChM Dr Sharon Teh Geok Bee | 0 | 17 |
| 11 | Management of Chemicals & Chemical/Lab Wastes (MCCW29) - Online Date: 06-07 Apr (Thur & Fri) Trainer: ChM Dr Malarvili Ramalingam | 6 | 19 |
| 12 | IN HOUSE- IN PERSON Management of Chemicals & Chemical/Lab Wastes (MCCW) - FOR ANSELL GLOBAL TRADING Date: 18-19 May (Thur & Fri) Trainer: ChM Dr Malarvili Ramalingam | 0 | 17 |
| 13 | Calibration of Test and Measuring Instruments and Metrological Traceability (CAL5) - Online Date: 24 - 25 May (Wed & Thur) Trainer: Mr Chen Soo Fatt | 3 | 7 |
| 14 | Interpretation Of Infra Red Spectra (IR1) - In Person Date: 07 - 08 June (Wed & Thur) Trainer: Assoc Prof ChM Dr Intan Safinar Ismail | 3 | 4 |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | | | |
|-------|---|-----|-----|
| 15 | IN HOUSE- IN PERSON Chemical Safety and Security (CSS) FOR ANSELL GLOBAL TRADING Date: 12 - 13 June (Mon & Tue) Trainer: Datin ChM Dr Zuriati Zakaria | 0 | 15 |
| 16 | MS ISO/IEC 17025:2017 Management Systems Internal Auditing (IAT35) - In Person Date: 21-22 June (Wed & Thur) Trainer: ChM Pua Hiang | 12 | 6 |
| 17 | General QA/QC Procedures for Testing Laboratories (QAQC43) - In Person Date: 26 - 27 June (Wed & Thur) Trainer: ChM Pua Hiang | 9 | 12 |
| 18 | Statistical Methods for Chemists (BSM27) - Online Date: 08 - 09 July (Sat & Sun) Trainer: Prof ChM Dr Sharon Teh Geok Bee | 5 | 6 |
| 19 | Procedures of Method Validation & Verification (MVV43) - In Person Date: 07-08 Aug (Mon & Tue) Trainer: ChM Chang Hon Fong | 13 | 12 |
| 20 | IN HOUSE- IN PERSON General QA/QC Procedures for Testing Laboratories (QAQC) & Decision Rules and Conformity Assessment Meeting The MS ISO/IEC 17025:2017 Requirements (DRSC) FOR USIM NILAI Date: 07-09 Aug (Mon, Tue & Wed) Trainer: ChM Pua Hiang & ChM Chang Hon Fong | 50 | 0 |
| 21 | Understanding the Elements of MS ISO/IEC 17025:2017 (ISO47) - In Person Date: 14-15 Aug (Mon & Tue) Trainer: ChM Chang Hon Fong | 8 | 16 |
| 22 | Method Validation & Quantification of Measurement Uncertainty in Microbiological Testing (MVUM6) - In Person Date: 22 - 23 Aug (Tue & Wed) Trainer: Dr New Chia Yeung | 3 | 9 |
| 23 | Mass Spectrometry (MS1) - In Person Date: 28 - 29 Aug (Mon & Tue) Trainer: ChM Dr Fatimah Salim | 3 | 8 |
| 24 | Measurement Uncertainty in Chemical Analysis (MU42) - In Person Date: 04 - 05 Sept (Mon & Tue) Trainer: ChM Chang Hon Fong | 12 | 7 |
| 25 | Basic Laboratory Skills & Techniques (BSLT13) - Online Date: 14 - 15 Oct (Sat & Sun) Trainer: Prof ChM Dr Sharon Teh Geok Bee | 3 | 16 |
| 26 | Management of Chemicals & Chemical/Lab Wastes (MCCW30) - In Person Date: 23 - 24 Oct (Mon & Tue) Trainer: ChM Dr Malarvili Ramalingam | 8 | 15 |
| 27 | Root Cause Analysis and Corrective Actions on Unsatisfactory Proficiency Testing (PT) Performance (RCA4) - In Person Date: 26 Oct (Thur) Trainer: ChM Dr Li Hui Ling | 11 | 8 |
| 28 | MS ISO/IEC 17025:2017 Management Systems Internal Auditing (IAT36) - In Person Date: 01-02 Nov (Wed & Thur) Trainer: ChM Pua Hiang | 9 | 16 |
| 29 | Decision Rules and Conformity Assessment Meeting The MS ISO/IEC 17025:2017 Requirements (DRSC6) - In Person Date: 06 Nov (Mon) Trainer: ChM Chang Hon Fong | 7 | 8 |
| 30 | IN HOUSE- IN PERSON Understanding the Elements of MS ISO/IEC 17025:2017 (ISO) for SARAWAK PETCHEM, BINTULU Date: 15-16 Nov (Wed & Thur) Trainer: ChM Chang Hon Fong | 0 | 15 |
| 31 | General QA/QC Procedures for Testing Laboratories (QAQC44) - In Person Date: 15-16 Nov (Wed & Thur) Trainer: ChM Pua Hiang | 13 | 10 |
| 32 | Measurement Uncertainty in Chemical Analysis (MU43) - In Person Date: 20 - 21 Nov (Mon & Tue) Trainer: ChM Chang Hon Fong | 10 | 10 |
| 33 | Spill, Emergency & Response Plan for Hazardous Material (SER1) - In Person Date: 04-05 Dec (Mon & Tue) Trainer: ChM Dr Shanmuga Kittappa | 2 | 7 |
| Total | | 248 | 331 |

ADMINISTRATION & FINANCE

32. Members of the IKM Administration and Finance Committee are:

ChM Chang Hon Fong (Chairperson)
 ChM Dr Malarvili Ramalingam (Co-Chairperson)
 Datuk ChM Dr Soon Ting Kueh
 Datin ChM Dr Zuriati Zakaria
 Prof. ChM Dr Juan Joon Ching
 ChM Dr Yang Farina Abdul Aziz

33. The committee held 5 meetings during this term - 27 May 2022, 15 July 2022, 10 September 2022, 17 November 2022 and 10 February 2023.

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Wisma IKM at Taman Tun Dr Ismail, Kuala Lumpur

34. Wisma IKM comprises 2 shoplots located at No. 127 and 129 Jalan Aminuddin Baki, Taman Tun Dr Ismail, Kuala Lumpur. The IKM Secretariat occupies the top floors of both buildings at No 127B and No 129B. The floor at No 129B consists of the Board Room and the President's room. The secretariat office is located at No 127B.
35. The 1st floor at No 127A is the IKM Professional Centre which is being used for conducting regular professional courses, workshops, seminars and talks. The 1st floor at No 129A is currently vacant.
36. The ground floor at No 129 is rented to Baba Ho Liao Enterprise which operates a restaurant. The tenancy agreement was renewed for one year effective from 01/9/23 to 31/8/24 at RM8,000 per month.
37. The tenancy agreement for ground floor at No 127 rented to Rizqiez Resources ended on 31/03/2023. A new tenant MFAS Resources signed an agreement from 01/4/23 to 31/3/25 with monthly rental at RM8,000.

Shop-house at Taman SEA, Petaling Jaya

38. IKM has a freehold property which is a four storey shop-house located at No. 35 Jalan SS 23/15, Taman SEA, 47400 Petaling Jaya. The property was purchased on 31 May 2010.
39. The purchase price of the property was RM2,550,000.00 and was financed from internal funds from IKM, shares from the IKM Branches as well as a fixed term loan of RM500,000 from Public Bank which has been fully repaid by end of October 2014.
40. The shareholders of the property at Taman SEA are as follows:
- | | |
|------------------------------|-----|
| IKM General Fund | 49% |
| IKM Education Fund | 17% |
| IKM Benevolent Fund | 13% |
| IKM Southern Branch | 10% |
| IKM Sarawak Branch | 5% |
| IKM Northern Branch | 2% |
| IKM Perak Branch | 1% |
| IKM Terengganu Branch | 2% |
| IKM Sabah & FT Labuan Branch | 1% |
41. Sustain Geotechnics Sdn Bhd rents the 3rd floor of the shop-house. Their tenancy was renewed for one year from 1/8/22 to 31/7/23 at RM2,700 per month with RM300 per month for maintenance of the lift. Sustain Geotechnics Tenancy Agreement expired on 31/7/23 and pending legal procedures.
42. Revelation Republic, a fitness centre, is renting both the ground and 1st floor of the shop-house at RM7,300 per month with an additional RM250 per month for lift maintenance charges. The tenancy was renewed from 16/03/2021 to 15/03/2024.

SECRETARIAT STAFF & OFFICE

43. The Secretariat Staff of the Institute comprises:

| | |
|--|----------------------------------|
| ChM Dr Aqeel Saravanan | Executive Director |
| Ms. Tan Lay Kuan | Head of Finance & Human Resource |
| Mrs. Norbahia binti Daud | Senior Executive Officer |
| Mrs. Siti Maziah binti Mohd Yunus | Executive Officer |
| Mrs. Aliah Nur Fatehah binti Mohamad Basir | Executive Officer |
| Mr. Mohd Noor Safiq bin Mohd Yusof | Accounts Executive |
| Ms. Nurul Idayu Suhana binti Harun | Executive Officer |
| ChM Mohd Azizi Al-Hafiz bin Wirzal | Executive Officer |
| Mrs Shahida Hanum binti Asha'ari | Accounts Executive |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

44. IKM members can contact the IKM HQ Secretariat at the following e-mail: ikmhq@ikm.org.my.
45. The IKM website is www.ikm.org.my and IKM Facebook account is Institut Kimia Malaysia.
46. The telephone number for the IKM secretariat is 03-77283272 / 03-77283858 / 03-77269029 and the fax number is 03-77289909.

BENEVOLENT FUND

47. The Committee and the Council recorded with deepest sympathies the demise of the following IKM members:
- | | |
|----------------------|-------------------|
| Lim Leong Eng | L/0362/0769/77 |
| Lim Poh Boon | M/0651/1496/82/96 |
| Ooi Tong Yeow | L/1112/2691/96 |
| Quah Sek Leong | M/0145/0104/72/73 |
| Seow Pin Kwong, Dr | M/0152/0295/75 |
| Tee Kim Huan | M/0278/0283/75/77 |
| Yeo Hock Siew, Datuk | F/0051/0030/67/91 |
48. The Benevolent Fund made a contribution of RM2,000 each to the next-of-kin of the deceased members. The next-of-kin of Mr Tee Kim Huan donated back the amount to the Benevolent Fund. Statement of the accounts of the Fund up to 31 December 2023 is included in the Annual Financial Statements of the Institute.

EDUCATION FUND

49. In the year 2023, a total amount of RM2,500.00 under the Education Fund was awarded as IKM Merit Award to the children of IKM members.
50. A Gold Medal, 2 Outstanding Young Chemist Award Medals, 1 Tan Sri Ong Kee Hui Postgraduate Chemistry Medal, 1 IKM/RSC – Synthomer Award in Polymer Science Award Medals and 7 Graduate Chemistry Medals costing RM4,400.00 were awarded under the Education Fund to the recipients of the 2023 IKM Awards at the Institute's Malam Kimia. In addition to the medals and certificates, cash awards amounting to RM15,000.00 were also given to the awardees.

PUBLICATIONS

Berita IKM – Chemistry in Malaysia

51. The Berita IKM – Chemistry in Malaysia Editorial Board comprised the following:
- Datin ChM Dr Zuriati Zakaria (Chairperson)
 - Datuk ChM Dr Soon Ting Kueh
 - Prof ChM Dr Juan Joon Ching
 - ChM Dr Yang Farina Abdul Aziz
 - Dato' ChM Dr Hj Mas Rosemal Hakim Mas Haris
 - ChM Yap Fei Ching
 - ChM Dr Aqeel Saravanan
52. Four issues of the Berita IKM were published as follows:
- No. 150 (March 2023)
 - No. 151 (June 2023)
 - No. 152 (September 2023)
 - No. 153 (December 2023)

Malaysian Journal of Chemistry

53. The Editorial Board for the Malaysian Journal of Chemistry (MJChem) comprised the following:

| Name | Organization |
|---|--|
| Datin ChM Dr Zuriati Zakaria (Editor-in-Chief & Chairperson-Editorial Board) | Institut Kimia Malaysia / Academy of Sciences Malaysia |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | |
|--|--|
| Prof ChM Dr Juan Joon Ching (Associate Editor-in-Chief) | Institut Kimia Malaysia / University of Malaya |
| Academician ChM Dr Ho Chee Cheong | Institut Kimia Malaysia / Academy of Sciences Malaysia |
| ChM Dr Yang Farina Abdul Aziz | Institut Kimia Malaysia |
| Prof Datuk ChM Dr Y. H. Taufiq-Yap | Universiti Putra Malaysia |
| Prof ChM Dr Wan Aini Wan Ibrahim | Universiti Teknologi Malaysia |
| Assoc. Prof ChM Dr Anita Ramli | Universiti Teknologi PETRONAS |
| Assoc. Prof ChM Dr Collin G. Joseph | Universiti Malaysia Sabah |
| Prof ChM Dr Sharon Teh Geok Bee | Institut Kimia Malaysia |
| Dr ChM Nurul Izzaty Hassan | Universiti Kebangsaan Malaysia |
| Assoc Prof ChM Dr Fatimah Salim | Universiti Teknologi MARA |
| ChM Dr Ngai Koh Sing (Associate Editor) | Institut Kimia Malaysia |

54. The Board was established to look into various aspects of the publication of the Journal. Following current trends in the publication of Journals, the Malaysian Journal of Chemistry is published on-line at IKM website.
55. In 2023, articles were published in 5 issues of the Malaysian Journal of Chemistry. They are:
- Volume 25(1) - 18 articles
 - Volume 25(2) - 15 articles
 - Volume 25(3) - 53 articles
 - Volume 25(4) - 22 articles
 - Volume 25(5) - 33 articles

NATIONAL AND INTERNATIONAL CONFERENCES/SEMINARS IKM FORUM "LOOK AHEAD & MOVING FORWARD"

56. Institut Kimia Malaysia (IKM) has successfully organized a forum on "Look Ahead & Moving Forward" on 18th March 2023, from 9am to 12pm at One World Hotel, Petaling Jaya, Selangor. The forum aimed to discuss, debate and chart the future directions of IKM; to look into the future and prepare IKM to be "future-ready" and to explore new ways of conducting business to ensure the longevity and success of IKM for the next 50 years and beyond, by getting inputs from young chemists. As such, Malaysian Young Chemists Network (MYCN) members, Prof ChM Dr Phang Sook Wai (University Tunku Abdul Rahman University of Management and Technology, TAR UMT), Assoc Prof ChM Dr Fatimah Salim (Universiti Teknologi MARA) and Asst Prof ChM Dr Yvonne Choo Shuen Lann (Xiamen University Malaysia) coordinated and moderated the forum.
57. The forum has attracted around 61 participants from various backgrounds with the majority being young chemists who are academics and research officers from various R&D institutes, industries, and universities in Malaysia. The event was also attended by IKM Council members. The event commenced with a welcome address from Assoc Prof ChM Dr Juan Joon Ching, Chairman of Malaysian Young Chemists Network (MYCN) which was later followed by an overview of IKM - Looking Ahead and Moving Forward by Datuk ChM Dr Soon Ting Kueh, President of IKM. In his overview, he showcased IKM's progression and achievements thus far and posed thought-provoking questions such as "How can we work / collaborate with industrial organizations to further strengthen the development of chemistry in Malaysia?", "How we can collaborate with local universities to strengthen research in chemical sciences for the advancement of chemistry in Malaysia?", etc. With the kick start, the participants were then segregated into different tables for more topic-focused discussions that revolved around: (1) Membership Development, (2) Continuous Professional Development (CPD), (3) Advancing Chemical Sciences in Malaysia, (4) Promoting Chemistry Education in Malaysia, (5) Young Chemists: Opportunities, Career & Technopreneurship Development and (6) Chemistry in Policy Making.
58. The discussions were compiled on Padlet, allowing real-time compilation of ideas and cross-table interactions/discussions on the subject matter. Representatives from each of the groups were given time at the podium to present their ideas and open-ended questions based on what they have discussed in the past hour. Many interesting ideas were shared and potential areas to be looked into. All the compiled inputs will be further

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

discussed at a later date, adaptable recommendations will be identified, and appropriate implementations will be made where deemed necessary.

59. There was a closing remark at the end of the forum by Datin ChM Dr Zuriati Zakaria (IKM Vice President). In the additional remarks by Datuk ChM Dr Soon, he assured that all the key points highlighted in this forum will be further discussed by the Council and put into practice to further develop IKM and advancing chemistry in Malaysia. The forum ended by moderators thanking all the participants of the forum for making it successful and welcomed them to the 56th Annual General Meeting (56AGM) which was held at the same venue at 2.00 pm.

9th NETWORK OF INTER-ASIAN CHEMISTRY EDUCATORS (9NICE) CONFERENCE 2023

60. The 9th Network of Inter-Asian Chemistry Educators (9NICE) Conference 2023 was held in the city of Kuching, Sarawak, Malaysia from 28 - 30 July 2023. With the theme of "Chemistry for Sustainable Development & Environmental Protection", the 9NICE Conference 2023 comprised the following:
- Lectures: Keynotes, oral & poster presentations
 - Cultural & Nature Tours
 - Exhibition
 - IUPAC Young Ambassadors for Chemistry (YAC) programme
61. 9NICE 2023 was organized by Institut Kimia Malaysia (IKM) in collaboration with IKM Sarawak Branch Committee, Institute of Teacher Education (Batu Lintang Sarawak), Education Department of Sarawak, Universiti Malaysia Sarawak (UNIMAS) and Department of Chemistry, Sarawak. The conference is supported by IUPAC, IKM Law Hieng Ding Foundation and Business Events Sarawak. NICE is a network of chemistry educators from four Asian countries/regions, namely Japan, Korea, Malaysia & Taiwan. The main objective of NICE is to promote chemistry education among the younger generation. It also aims to create a network of chemistry educators to share experience & expertise in the teaching & learning of chemistry. NICE organizes a biennial conference and in 2023, the 9NICE Conference was held from 28 – 30th July 2023 in the nostalgic city of Kuching in Sarawak, Malaysia. The participants of NICE conferences are mainly chemistry educators, teachers and students. This year's 9NICE Conference attracted 197 participants from 6 countries. For the programme of 9NICE Conference 2023, we have a total of 57 presentations including 4 keynote lectures, 27 oral and 26 poster presentations from 6 countries. The presentations cover many areas in chemistry education, environment & sustainability and also other key areas of chemistry.
62. Keynote papers presented during the 9NICE conference were as follows: -
- Keynote Lecture 1 - Exploring the future of Chemistry Education Centers in Korea by Prof Jongseok Park Kyungpook National University, South Korea.
 - Keynote Lecture 2 - Raising Awareness: Multiple Uses of Chemicals and Chemical Weapons Convention by Prof Dato Dr Jamil Maah, Universiti Malaya, Malaysia
 - Keynote Lecture 3 - Analogies in Chemistry Teaching and Learning by Prof Shingo Uchinukura, Kagoshima University, Japan
 - Keynote Lecture 4 - Equation- free Quantum Chemistry and Molecular Orbital Theory Prof Yuan -Chung Cheng, National Taiwan University, Taiwan.
63. In addition, 9NICE Conference 2023 also included a Young Ambassadors for Chemistry (YAC) 2023 programme especially for students and teachers. This year's YAC 2023 comprised interactive experiments, demonstrations and workshops held at the Institute of Teacher Education (Batu Lintang Sarawak). The teachers & students enjoyed the interactive experiments and demonstration that aimed to associate chemistry with the UN Sustainable Development Goals (SDG) 2030. About 40 secondary students aged 16-17 with 10 teachers attended the YAC2023 programme. Another 18 students from Taiwan, Japan & Korea and staff from the Institute of Teacher Education also attended as observers. The participants were divided into 10 groups. Each group consists of 4 local students, 1 accompanying teacher and 1 or more international participants. They were given time to explore the experiments showcased in each of the laboratories before being brought to the next laboratory on a rotational basis.

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

64. A welcome reception was held at Roxy Hotel Kuching on the night before the conference started. Participants enjoy a leisure evening to gather, mingle and get to know each other as well as socializing and networking. The second day of the conference was about relaxing. The participants enjoyed a trip to the Semenggoh Wildlife Centre to encounter one of Borneo's endangered species - Orangutans. Participants got to observe the forest reserve's caretakers during their feeding time.
65. Participants also visited the Borneo Cultures Museum, which is the second largest museum in Southeast Asia. The state-of-the-art complex is home to over 1,000 artefacts that boast the rich culture and heritage of the indigenous peoples of Borneo and Sarawak. On the last day, Prof Uday Maitra from India started the 'Chemistry is Fun' session with a series of lectures and demonstrations. He presented interesting lectures on historical chemistry and chemistry in space. The second demonstration was from a school teacher, Mr Liao Hsu-Mao from Taiwan. He discussed the Design and Application of the Mini Stirrer Modules. The demonstrations were catered for teachers so that they could each bring home a unit to be distributed and demonstrate to their students in their respective institutions. Mr Liao explained the steps involved to assemble each mini stirrer units and showcased the use of such units in teaching.
66. During the conference dinner, all the participants from each country showcased their singing talents on stage making the dinner full of entertainment and fun. During the closing ceremony, Datuk ChM Dr Soon Ting Kueh passed the baton to the next NICE conference organizing Chairman, Prof. Dr Kuriyama from Yamagata University, Japan. The next NICE conference will be held in Japan in the year 2025.

INTERNATIONAL CONGRESS ON PURE & APPLIED CHEMISTRY (ICPAC) BALI 2023, INDONESIA

67. Institut Kimia Malaysia (IKM) successfully organized the ICPAC Bali 2023 at the Patra Bali Resort & Villa from 12-17 September 2023. ICPAC Bali 2023 is a major international scientific meeting covering all major areas of pure and applied chemistry. ICPAC was first held in 2016 in Kuching, Sarawak, Malaysia and ever since, it is being held annually in countries like Vietnam, Cambodia, Malaysia and Myanmar. ICPAC Bali 2023 is the seventh of a series of major international scientific meeting covering all areas of pure and applied chemistry including specific themed symposia.
68. The participants of ICPAC Bali 2023 come from all over the world, but majority are from Asia. For ICPAC BALI 2023, we have a total of 231 delegates coming from 10 countries. The Scientific programmes include 4 Plenary Lectures, 6 Keynotes, 151 Invited/Oral Lectures and 4 poster presentations, making a total of 165 presentations. IKM would like to record sincere appreciation to the Joint Organizers, namely Himpunan Kimia Indonesia, the Foundation for Interaction between Science and Technology, Japan and Asia Chem Corporation (Japan) for collaborating in jointly organizing ICPAC BALI 2023. The theme 'Advancing Chemical Science for Sustainability & Environmental Protection in Asia and the Pacific' focused on advancing chemistry for meeting the UN Sustainable Development Goals 2030.
69. ICPAC BALI 2023 comprised the following General Session and Symposia:
- ICPAC Bali 2023 General Session (IGS)
 - Symposium on Organic and Biomolecular Chemistry (OBC)
 - Symposium on Inorganic and Coordination Chemistry (ICC)
 - Symposium on Physical Chemistry and Catalysis (PCC)
 - Symposium on Analytical and Environmental Chemistry & Engineering (AEC)
 - Symposium on Polymer and Materials Chemistry (PMC)
 - Symposium on Analytical Chemistry (ANC)
 - Symposium on Biochemistry (BCM)
70. The main objective of ICPAC BALI 2023 is to promote the advancement of chemical sciences in the Asia Pacific region. The congress also leads to collaboration in research and networking among scientists from this part of the world. In parallel with rapid economic development in this part of the world, we hope that this region will also see significant scientific advancement that will give support to the socio-economic transformation and elevate the level of science, technology and innovation to be on par with the best in the world. Prof Dr Ir H. Muhammad Nurdin,

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

President Elect of Himpunan Kimia Indonesia welcomed the delegates to Bali and ICPAC Bali 2023 during the Opening Ceremony on Tuesday, 12 September. The Congress was officially opened by Datuk ChM Dr Soon Ting Kueh and witnessed by Bapak Dr I Wayan Serinah, Asisten Perekonomian & Pembangunan Sekda Provinsi Bali.

71. ICPAC BALI 2023 Technical Programme

Plenary Sessions

- Plenary Lecture 1 - Phenine Nanocarbon Molecules by Hiroyuki Isobe, University of Tokyo, Japan
- Plenary Lecture 2 - N-Confused Porphyrinoids: Directional Evolution from Porphyrin Isomer to Functional NIR Dyes by Hiroyuki Furuta, Ritsumeikan University, Japan
- Plenary Lecture 3 - Strategies for Highly Electrophilic and Stable Zinc and Magnesium Cations: Synthesis, Structure and Use in Catalysis by Samuel Dagorne, CNRS, France
- Plenary Lecture 4 - Mesoporous Materials for Sustainable Environment and Energy by Joon Ching Juan, University of Malaya, Malaysia

72. The welcome reception for the delegates were held at the Patra Bali & Resort poolside. The delegates got a feel of Bali's stunning sunset view with combination of delicious seafood and live music. The Congress Banquet held on Friday, 15 September, was a grand occasion. About 150 delegates attended the Banquet. Datuk ChM Dr Soon Ting Kueh gave the Welcome Address to invite all delegates to sample the local dishes and enjoy the entertainment provided. A number of guests including Prof Takahashi and Datuk ChM Dr Soon also took to the stage with karaoke singing. All in all, it was a fun filled evening. IKM organized 3 tours for the delegates with a local tour company. Delegates were allowed to choose one from the three tour packages offered.

73. ICPAC BALI 2023 was a successful and memorable event. On behalf of the Organizers, IKM would like to record our sincere appreciation to Himpunan Kimia Indonesia, the Foundation for Interaction between Science and Technology (Japan) and Asia Chem Corporation (Japan) for the support and collaboration in making ICPAC BALI 2023 a great success. We would also like to thank all ICPAC BALI 2023 Plenary and Keynote Speakers, all Invited, Oral and Poster Presenters, and all Session Chairpersons for contributing to the success of ICPAC BALI 2023. To all Members of ICPAC BALI 2023 Organizing Committee and all those who have contributed in one way or another in making ICPAC BALI 2023 a success, we would like to record our utmost appreciation.

16th ASIAN CONFERENCE ON ANALYTICAL SCIENCES (ASIANALYSIS XVI) 2023

74. The 16th Asian Conference on Analytical Sciences, ASIANALYSIS XVI 2023, was successfully organised at the Kuala Lumpur Convention Centre, Malaysia from 9-12 October 2023, leaving a profound mark on the field of analytical sciences. This prestigious event held in conjunction with LabAsia 2023, brought together leading experts, scholars and professionals from around the globe. This year's theme "Advancing Analytical Sciences for Sustainable Development," encapsulated our commitment to pushing the boundaries of analytical research for the betterment of our communities and the world. The conference also incorporated the 19th Asia-Pacific International Symposium on Microscale Separations and Analysis 2023 (APCE 2023), Symposium on Forensic Science and Symposium on Halal Testing and Authenticity. It was a joint effort of Malaysian Institute of Chemistry (IKM) with the Department of Chemistry Malaysia (JKM) and the Forensic Science Society of Malaysia, allowing us to harness the collective expertise of multiple organizations and broaden the range of insights shared at the event. It was a testament to the power of collaboration in advancing analytical sciences.

75. The event's sponsors, including Malaysia Convention & Exhibition Bureau (MyCEB), Radius Exhibits & Interior Sdn Bhd/Agilent Technologies, CLMO Technology Sdn Bhd, Thermo Fisher, Waters Analytical Sdn Bhd, Orbiting Scientific & Technology Sdn Bhd, Interscience Sdn Bhd, Lab Science Solution (LSS), and Inno Lab, played a pivotal role in making this conference a reality. Their generous contributions made a significant impact on the success of ASIANALYSIS XVI 2023. The international scope of ASIANALYSIS XVI 2023 was evident in the participation of 311 attendees from 22 countries, including Bangladesh, China, the Czech Republic, Germany, Hong Kong, India, Italy, Japan, Jordan, the Netherlands, Pakistan, the Philippines, Poland, Russia, Singapore, South Korea, Switzerland, Taiwan, Thailand, United Arab Emirates, Vietnam, and, of course, Malaysia. This diverse representation contributed to the richness of discussions and knowledge exchange throughout the conference.

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

76. The ASIANALYSIS International Advisory Board Meeting took place on 8 October 2023 providing a platform for strategic discussions and decision-making. This gathering of esteemed advisors and experts in the field of analytical sciences marked a pivotal moment in shaping the future direction of the ASIANALYSIS conference series. The meeting served as an opportunity to exchange insights, share experiences and set the course for upcoming conferences, reinforcing the commitment to excellence and innovation in analytical sciences. This was followed by registration process the next day with attendees from around the world eagerly signing in to embark on a journey of scientific discovery and collaboration. The welcome reception provided a warm and convivial atmosphere for participants to network, share insights, and establish connections. It was an opportunity for everyone to connect, exchange ideas, and set the stage for several days of fruitful discussions during the conference.
77. On 10 Oct 2023, the day kick-off with the Joint Opening Ceremony of ASIANALYSIS XVI, APCE 2023, and LABASIA 2023. It was a momentous occasion that marked the convergence of scientific excellence and innovation. The event commenced with a warm welcome address by ChM Dr. Malarvili Ramalingam, the Chairperson of ASIANALYSIS XVI 2023, setting the stage for an exciting day ahead. Professor ChM Dr. Juan Joon Ching, Chairperson of APCE 2023, shared his insights, followed by a significant address from Ms. Geonice Chong, Lab Asia Event Manager, emphasizing the importance of such collaborative endeavors. ChM Halimah binti Abdul Rahim, the Director General of the Department of Chemistry Malaysia, shared her perspective, and the grand moment arrived with the Opening Address by Datuk ChM Dr. Soon Ting Kueh, President of Institut Kimia Malaysia and Advisor of ASIANALYSIS XVI 2023. The ceremony continued with two engaging Plenary Lectures. Plenary Lecture 1, titled "The Road to New Frontiers: A Sustainable Future Opened by OptoBioanalysis" by Prof. Takeaki Ozawa from the University of Tokyo, Japan, showcased the latest advancements in opto-bioanalysis. Plenary Lecture 2, presented by Prof. Mohd Rafie Johan from the Nanotechnology and Catalysis Research Center, Malaysia, explored the innovative "7-in-1 Halal PCR Test Kit." These lectures paved the way for fruitful discussions and knowledge sharing throughout the conference. Following this, the programme culminated with the ribbon-cutting ceremony of LABASIA 2023, symbolising the beginning of an exciting and knowledge-rich conference. The day continued with poster session and oral presentation Session I Theme: Sensor Technologies; Keynote Lecture 1: From Local Wisdom to Initiatives in Employing a Natural Reagent and Nqs-Index for Sustainable Analytical Chemistry presented Assoc. Prof. Dr Wong Pei Mun from University Malaya on behalf of Prof. Kate Grudpan of Chiang Mai University, Thailand; Session II Theme: Sensor Technologies & Microscopy and Imaging Technology and finally Session III: Microscopy and Imaging Technology, Green Analytical Chemistry & Cosmetic and Pharmaceutical Analysis. The diverse range of sessions provided a holistic view of the analytical sciences landscape.
78. On the third day, the programme started with a keynote lecture by Prof. Janusz Lipkowski, Poland, about Clathrate Chromatography: Past and Present, followed by two plenary lectures delivered by Prof. Heesun Chung from Sungkyunkwan University, South Korea, and Prof. Uday Maitra from the Indian Institute of Science, Bengaluru, India. The lectures presented on October 11, 2023 were as follows: (i) Plenary lecture 3: The Role of Forensic Science Societies on the Development of Forensic Science. In her keynote lecture, Prof. Heesun Chung presented the historical and first developments of the forensic technology working group. (ii) Plenary lecture 4: A General Photo-Luminescent Sensor Platform for Specific Drugs, Hydrolases, and Small Molecules. Prof. Uday highlighted the impact of photoluminescence on multireactions in chemistry.
79. After plenary lectures completion, the next session focused on oral presentation sessions with various research themes:
- i) Chromatography and Separation Techniques, Green Analytical Chemistry & Mass Spectrometry
 - ii) CE/LC-Mass Spectrometry
 - iii) Electrophoretic Separation and Sample Pretreatment
 - iv) Questioned Documents, Fire Investigation, Human Identification, Seized Drugs & Disaster Victim Identification
 - v) Green Analytical Chemistry & Computational and Chemometric Approach
 - vi) Mass Spectrometry Techniques and Miniaturized Devices
 - vii) Polymer Nanotechnology & Polymer and Materials Science

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

80. A significant portion of the presenters shared their research findings, with the majority emphasizing advancements in analytical methods and the utilization of Mass Spectrometry (MS) for the detection of food and environmental samples. Notably, the conference also shed light on how Ion Chromatography (IC) and MS detection techniques can be enhanced for more accurate results. Topics such as electrophoresis, titration, separation processes, and cutting-edge instrumentation garnered substantial attention. Additionally, the conference delved into the realm of Green Analytical Chemistry and Computational and Chemometric Approaches, highlighting the use of nanostructured materials in liquid-liquid extraction, synthesis, and catalysis, along with noteworthy advancements in the synthesis and characterisation of Schiff bases as potential anti-malarial agents.
81. The thematic areas of Electrophoretic Separation and Sample Pretreatment and Mass Spectrometry Techniques and Miniaturized Devices continued to focus on innovative electrophoresis methodologies and analytical strategies utilizing MS technology. In the domain of polymer nanotechnology and materials science, the majority of researchers in this session concentrated their efforts on developing advanced polymer materials derived from natural rubber, with applications ranging from CO₂ capture to biocomposites. Furthermore, some noteworthy discoveries in fundamental chemical bonding within polymer studies were unveiled, adding depth and significance to the field.
82. On the evening of Wednesday, October 11, 2023, we had the pleasure of hosting a delightful dinner for both our esteemed participants and members of our delegation at the Impiana KLCC Hotel. As the evening unfolded with a sumptuous meal and refreshing drinks, it created the perfect backdrop for an engaging exchange of ideas and warm social interactions among all in attendance.
83. The final day of the conference, Thursday, October 12, 2023, started with several keynote lectures presented by researchers from Japan, Malaysia, Vietnam, and Thailand and one plenary lecture by Prof. Doo Soo Chung, Seoul National University, Korea. The plenary lecture presented by Prof. Doo Soo Chung is Assisting Electrophoresis and Exploring Photophoresis. In his lecture, Prof. Doo Soo Ching presented the deep research related to fundamental capillary electrophoresis and photophoresis that has been explored in his working group.
84. After the completion of the plenary lecture session, the next session focused on various themes as follows:
- Food Safety and Authenticity & Spectroscopy and Applications
 - Spectroscopy and Applications
 - Environmental Science
 - Electrophoretic Separation
 - Applications in Pharmaceutical and Chemical Analysis
 - Applications in Biomedical and Environmental Sciences
85. As the event drew to a close, the atmosphere gradually settled, and the Chair of the 16th Asian Conference on Analytical Sciences (Asianalysis XVI) 2023, Dr. Malarvili, extended her heartfelt appreciation. She expressed her gratitude to the dedicated committee members for their tireless efforts, acknowledged the presence of esteemed honorary guests, and thanked the valuable participants who had traveled from across Malaysia and overseas to attend and support this remarkable event. The evening concluded with a memorable photo session, capturing the spirit of collaboration and knowledge-sharing that had defined the conference.

MALAM KIMIA & PRESENTATION OF IKM AWARDS 2023

86. Institut Kimia Malaysia (IKM) successfully organized the Malam Kimia & Presentation of IKM Awards 2023 on 1 December 2023 at One World Hotel, Petaling Jaya, Selangor. YB Tuan Chang Lih Kang, Minister of Science, Technology & Innovations was the Guest-of-Honour at this event. Malam Kimia is an annual gala event where we recognise excellence in chemistry and contributions to IKM and the development of chemistry in Malaysia. The awards presented were as follows: K3M Top Scorer Awards, IKM Merit Awards, IKM Special Merit Awards, IKM Graduate Chemistry Medals, IKM Research Prize in Polymer & Materials Science, IKM/RSC-Synthomer Award in Polymer Science, Tan Sri Datuk Ong Kee Hui Postgraduate Chemistry Medal, Outstanding Young Chemist Awards, IKM Citation Awards, New Fellows of IKM, IKM Gold Medal and IKM Laboratory Excellence Awards.

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

87. This year we presented IKM Licentiate Examination Certificates to those who passed the IKM LMIC Part 1 Examination in 2023. A total of 33 candidates passed the examination in 2023. Malam Kimia 2023 managed to attract a total of 663 guests comprising IKM members, S&T organizations, universities and industries as well as well-wishers. The event was a great success. On behalf of the Organizers, IKM would like to record our sincere appreciation to Ministry of Science, Technology and Innovation (MOSTI), IKA Works (Asia) Sdn Bhd, Trienekens (Sarawak) Sdn Bhd, SugarBomb Worldwide Sdn Bhd, Mirror Gifts Resources, Anton Paar Malaysia Sdn Bhd, Scot Printers, Inno Lab Malaysia Sdn Bhd, all IKM Branches and all those who have contributed to the success of Malam Kimia & Presentation of IKM Awards 2023. The list of 2023 Award Recipients are listed below:

| Award | Recipient |
|---|--|
| IKM Gold Medal | ChM Dr Mansor Bin Ahmad @ Ayob |
| New Fellow of IKM | Prof Dato' ChM Dr Mohd Jamil Bin Maah, ChM Teo Chook Kiong, Prof ChM Dr Zainab Binti Ngaini, Assoc Prof ChM Ts Dr Cheng Sit Foon |
| IKM Citation Award | ChM Aishah Binti Abdul Aziz, ChM Dr Chong Mun Hwa, ChM Jocelyn Agnes Lazarus, ChM Mohd Shafizi Bin Ab Aziz, Assoc Prof ChM Dr New Siu Yee, ChM Ng Choon Heng, ChM Dr Sheela Chandren |
| IKM Outstanding Young Chemist Award | Academic - Assoc Prof ChM Dr Gan Chee Yuen Industry - ChM Ts Dr Yeoh Beng Hoong |
| Tan Sri Datuk Ong Kee Hui Postgraduate Chemistry Medal | Dr Wan Hafizi Bin Wan Ishak |
| IKM/RSC – Synthomer Award in Polymer Science sponsored by Synthomer Sdn Bhd | ChM Dr Eleen Dayana Binti Mohamed Isa |
| IKM Research Prize in Polymer and Materials Science sponsored by HARPS Holdings Bhd and Synthomer Sdn Bhd | Chia Min Rui, Dania Adila Binti Ahmad Ruzaidi, Junaid Mohammad Khan, Mhonishya Krishnamoorthy, Mohd Faridzuan Bin Majid, Nur Fattima' Al-Zahara' Binti Tuan Mohamood |
| IKM Graduate Chemistry Medals | Chan Kai Qing, Chang Wei Jin, Izzhan Zafri Bin Haron, Lau Thorng En, Nuratiqah Ramadaniyah Binti Mohammad, Tan Yi Ying, Tay Chia Pao |

| K3M Top Scorer Award Winners 2023 | |
|-----------------------------------|--------------------------------------|
| O Level | |
| Ngian Li Jue | SMK Tung Hua |
| Oh Keng Yong | SM Pay Fong |
| Er Zhi Xuan | SMK Damansara Jaya |
| Chris Law Meng Jin | SMK Tung Hua |
| A Level | |
| Bernice Chew Ching Siew | SMK Tung Hua |
| Tiffany Ting Fen Ni | SMK Tung Hua |
| Wong Ching Shuen | MCKL College (Penang, PYKETT Campus) |
| David Luk Ku Chian | Lodge International School |
| Kuok Jun Ling | SMK Tung Hua |

| The IKM Merit Award Recipients | | |
|------------------------------------|--|-----------------|
| Recipients | Parent | Examination |
| Abner Ju Jing Kui | Petronella G Ah Tung @ Petronella Gerald | SPM 2022 |
| Adila Fasiha Binti Pauzer | Pauzer Bin Ahmad / Azlina Binti Shafawi | SPM 2022 |
| Chua Heng Kok | Tan Hui Choo | SPM 2022 |
| Izzah Masturina Binti Khairul Hadi | Khairul Hadi Bin Hj. Abd Raof | SPM 2022 |
| Lee Yen Nee | Poon Poh Fong | SPM 2022 |
| Tay Zi Qing | Tay Meng Guan, Assoc Prof ChM Dr | SPM 2022 |
| Tee Yan Qi | Tee Kai Ming | SPM 2022 |
| Amir Firdaus Bin Mohd Hasnain | Zainab Binti Ngaini, Prof ChM Dr | Foundation 2022 |

| IKM LMIC Part I Examination 2023 Certificates Recipients | |
|--|-----------------------------------|
| Aa'ishah Binti Abd Gafar | Nur Liyana Bt Ruslan |
| Aimi Aishah Binti Arifin | Pasilatun Adawiyah Binti Ismail |
| Aqilah Nabihah Binti Omar | Rafiq Farhat Bin Abdul Razak |
| Chia Vi Vien | Rozilawati Binti Mohamad Achil |
| Haziqah Binti Norazmi | Samsiah Binti Sahap |
| Jamilahtul Hayati Binti Ahmad Nadzeri | Siti Khadijah Binti Zainal Abadin |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | |
|--------------------------------------|---|
| Kalaivaani Devi A/P Shanmugam Pillai | Siti Nur Izati Binti Azmi |
| Leela A/P PV Poul | Dr Tan Chu Shan |
| Mazria Haslina Binti Md Akir | Tan Jing Lin |
| Mohamad Fauzi Bin Hussin | Tan Ying Hui |
| Mohamed Helmi bin Shari | Teh Kheng Liong |
| Muhamad Ahnaf Fudhail Bin Maznun | Teng Cai Sze |
| Dr Muhammad Fauzi Bin Abd Jalil | Teoh Qiao Yi |
| Muhammad Zulhusni Bin Mohmad | Tung Xiao Dan |
| Dr Norliza Binti Abdul Latiff | Uyun Norohmah Binti Mohd Ali |
| Nur 'Afini Binti Abdul Rauf | Wan Noorfazlana Umirah Binti Wan Yusoff |
| Nur Ashikin Binti Ab Rahman | |

88. Another highlight of the Malam Kimia is the presentation of the IKM Laboratory Excellence Awards. This year, a total of 71 laboratories throughout Malaysia received their certificates.

IKM TRAVEL GRANT RECIPIENTS

89. Travel Grant recipients for the term 2023/2024:

| Name | Amount (RM) | Purpose |
|---|-------------|---|
| ChM Dr Shahrul Nizam Ahmad | 2,500 | Oral lecture during PhosAgro/UNESCO/IUPAC International Symposium at Tashkent, Uzbekistan from 3-5 November 2023 |
| ChM Dr. Eng Aik Hwee | 2,000 | Oral presentation at The 5th International Conference on Materials Research and Innovation (ICMARI) at Bangkok, Thailand from 14 to 15 Dec 2023. |
| ChM Dr. Siti Syaida Sirat | 2,000 | Oral presentation at International Conference on Chemistry and Material Sciences 2023 at Grand Mercure Mirama Hotel, Malang, Indonesia from 11 - 12 October 2023. |
| Dr Sivasangar Seenivasagam | 2,000 | Oral presentation at ICPAC Bali 2023, 12-17 September 2023 |
| Assoc Prof ChM Dr Tay Meng Guan | 2,000 | Oral presentation at ICPAC Bali 2023, 12-17 September 2023 |
| ChM Dr Mazlin Binti Mohideen | 1,500 | Oral presentation at 35th International Conference of Analytical Sciences (SKAM35) 2023 at Langkawi, Kedah. |
| ChM Dr. Cindy Tan Soo Yun | 2,000 | Oral presentation at ICPAC Bali 2023, 12-17 September 2023 |
| Assoc Prof ChM Dr Mohd Sani Bin Sarjadi | 2,000 | Oral presentation at ICPAC Bali 2023, 12-17 September 2023 |
| ChM Dr Chua Kah Heng | 2,500 | Oral presentation at IUPAC CHAINS 2023 WORLD CHEMISTRY CONGRESS, The Hague, The Netherlands, 20 – 25 August 2023 |
| ChM Dr Shanmuga Suntharam Kittappa | 2,500 | Poster presentation at IUPAC CHAINS 2023 WORLD CHEMISTRY CONGRESS, The Hague, The Netherlands, 20 – 25 August 2023 |
| ChM Dr Ngai Koh Sing | 2,500 | Poster presentation at IUPAC CHAINS 2023 WORLD CHEMISTRY CONGRESS, The Hague, The Netherlands, 20 – 25 August 2023 |

PUBLICITY

90. The following information circulars/flyers were sent to members: -
- Malam Kimia 2023
 - Year 2023 Retention Fee Payment
 - Notice of the 57th AGM 2023
 - Draft Minutes of 56th AGM 2023
 - Annual Financial Statements for year ended 31 December 2023
 - Annual Report for 2023/2024

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

III: INTERACTION WITH NATIONAL, REGIONAL & PROFESSIONAL ORGANIZATIONS

CONFEDERATION OF SCIENTIFIC AND TECHNOLOGICAL ASSOCIATIONS IN MALAYSIA (COSTAM)

91. The COSTAM EXCO for 2022/2024 are as follows:

| Names | Association | Position |
|--|-------------|--------------------------|
| Prof. Ir. Dr. Ruslan Hassan | TAM | President |
| DCP(R) Assoc Prof Dato' ChM Dr. Yew Chong Hooi | FSSM / IKM | Deputy President |
| Prof. Dr. Abd Rahman Milan | PGM | Vice President |
| AP Dato' Dr. Vellayan Subramaniam | MSA | Vice President |
| Dr. Stephen Wong Kam Sum | MSSA | Honorary Secretary |
| Dr. Koh Kar Chai | MMA | Asst. Honorary Secretary |
| Ts Joel Lim Soon Yeen | TAM | Treasurer |
| Dr. Sam Mohan | MSPTM | Exco Member |
| Dr. Yeap Gim Ean | MMA | Exco Member |
| Ms. Wee Hui Bieh | MSA | Exco Member |
| Dr. Mohammed Rizman bin Iddid | MSMS | Exco Member |
| Prof. Lee Chien Sing | MINDS | Exco Member |
| Ir. Dr. Aidil bin Chee Tahir | IEM | Exco Member |

KISM SDN BHD

92. KISM Sdn Bhd is a privately owned company by six S&T organizations, namely Malaysian Scientific Association (MSA), Institut Kimia Malaysia (IKM), Institut Fizik Malaysia (IFM), Plastic and Rubber Institute of Malaysia (PRIM), Veterinary Association Malaysia (VAM) and Malaysian Institute of Food Technology. As at 31 December 2019, IKM holds 210,000 shares in KISM Sdn Bhd out of a total of 1,500,000 shares. IKM's representative on KISM Board is Datuk ChM Dr Soon Ting Kueh with Datin ChM Dr Zuriati Zakaria as the alternate as from May 2018.
93. KISM Sdn Bhd held its Annual General Meeting on 24 June 2023 at KISM Sdn Bhd Office, Bangunan Sultan Salahuddin Abdul Aziz Shah, 16 Jalan Utara, 46200 Petaling Jaya, Selangor.
94. For 2022, KISM Board had decided to pay a dividend of 7% amounting to RM105,000 to the shareholders. For IKM, this amounted to RM14,700.00.
95. Maxis Communications continued its rental at Wisma KISM at a monthly rental of RM4,250 per month starting from April 2022.
96. Wisma KISM is rented to WQ Medic Sdn Bhd effective 1 September 2022 for a period of 3 years with a monthly rental of RM15,000.
97. KISM Sdn Bhd's shop lot (2034 sq. ft.) at Leisure Commerce Square, Kuala Lumpur is currently rented out to R Logic Customer Care Sdn. Bhd at RM2,800 per month.

BALAI IKHTISAS MALAYSIA (BIM)

98. Exco for 2023-2025
- | | | |
|--------------------|---|---|
| President | : | Prof ChM Dr Juan Joon Ching (IKM) |
| Deputy President | : | Assoc. Prof. LAr Dr Nor Atiah Ismail (ILAM) |
| Vice President | : | Prof Log. Ts. Dr Othman Ibrahim (CILTM) |
| Vice President | : | Mr Andrew Tan Eng Joo (MPS) |
| Honorary Secretary | : | Ir Dr Bhuvendhraa Rudrusamy (IEM) |
| Honorary Treasurer | : | Dr Chee Liung Wun (MAVMA) |
| Exco Member | : | Datin TPr Noraida Saludin (MIP) |
| | : | Sr Lim Kok Sang (RISM) |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | |
|----------------------------|---|
| | Assoc. Prof. Ts Dr Jessica Ong Hai Liaw (CILTM) |
| | Dr Helen Mitin (MAVMA) |
| | Dr Ismail Harun (IRIM) |
| Co-opted Exco Member : | Ts Hj Dr Mohd Nasir Bin Alias (CILTM) |
| Immediate Past President : | Dr Wilmot Sasindran Dass (MAVMA) |
| Executive Director : | Ms Shantee Segaran |

99. Balai Ikhtisas Malaysia (BIM) is built on the values of integrity, accountability, transparency, and good governance, which served as a pillar and source of support for its members. As professionals, we recognize the importance of upholding the highest standards in our respective fields. Thus, we are dedicated to maintaining and advancing the reputation and credibility of our profession. In this new era, we are subject to exponentially technology advancement such as digitalization and artificial intelligence (AI). Therefore, any professional organization should be committed to continuous learning and improvement. We must remain at the forefront of our industries, adapting to the ever-evolving landscape of the technological revolution. Besides that, climate change has caused catastrophic environmental damage and humanitarian crises. In 2015, United Nations has developed Sustainable Development Goals (SDGs) to create a more sustainable, equitable, and prosperous world by the year 2030. On top of that, the enforcement of Environmental, Social, and Governance (ESG) standard has been implemented. These three key factors will be considered by investors, businesses, and organizations when evaluating the sustainability and ethical impact of an investment or business operation. BIM will invest more effort in professional development and ensure that our members are equipped to excel in a rapidly changing world to meet SDGs and ESG requirements. BIM will continue to advocate for policies and regulations that benefit our members. We will engage with decision-makers, share our expertise, and make a positive impact on the direction of our fields. By actively participating in the shaping of our professions, we ensure a prosperous future for ourselves and future generations. BIM also pledged to our new tagline of "Professional excellence, serving the society".

100. Sub-committee

Presidential Advisory Council (PAC) (Chair: Dr Wilmot)

Dr Wilmot reported that the meeting with the Presidents and Hon. Secretaries of the Member Institutions together with the PAC, was carried out on 6 December 2023, at Eastin Hotel, it was a great networking with the Presidents and Honorary Secretaries from the Member Institutions.

The committee is now working on: -

- (i) the awards presentation nominees for the coming annual dinner which will be held on 24 July 2024, there are two categories of the Awards, namely, the Lifetime Achievement Awards and The Excellence Awards.
- (ii) The amendments to the constitution from the previous term, for the review of the following: -
 - How to transfer property to be held under the Institution?
 - Matters on Trustee.
 - To enable financial year ending to January to December for purposes of tax reporting at the Lembaga Hasil.

Corporate Communication and Strategic (Chair: Assoc. Prof. LAr. Dr Nor Atiah Ismail)

Balai Ikhtisas Malaysia Team Building and Strategic Workshop 2023 will be organized in order to revisit the Strategic Plan of BIM. It was proposed that the programme be held outside the office despite the feedback from the BOM to have here and the total budget of organizing the event with come to about RM10k.

Secretariat & Finance

(a) Administrative (Dr Bhuvendhraa) and Finance (Dr Chee Liung Wun)

- i. The appraisal form for the KPI of the secretariat staff is in place. There are 2 different categories of KPI, i.e Executive/Senior Executive. Both the President and the Hon. Secretary to conduct the appraisal as the secretariat staff is under the portfolio of the Admin Committee and also directly working with the President.
- ii. The Exco held a discussion pertaining to the staff increment and salary adjustment, after confirming that the appraisal form is in order for KPI exercise, the Exco agreed to approve a one (1) month bonus to be paid out in December 2023, and a 5% increment effective January 2024, and also a promotion to the Executive Secretary to Executive Director from January 2024.

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Membership and Welfare (Chair: Mr Andrew Tan)

- i. There is an interest from Malaysian Dental Association (MDA) to re-join BIM.
- ii. We have received a membership application from Persatuan Pegawai Pembangunan Masyarakat (Perubatan) Malaysia, the committee is still in the process of reviewing the application, as they have not submitted the relevant documents for further consideration.
- iii. *Welfare*
- iv. The committee submitted a full report on the event organized whereby BIM together with Kiwanis Down Syndrome Foundation for the e-bulletin publication, he also reported that the event has been reported at the Utusan Malaysia on 15 December 2023.

Training and Professional Practice (e.g. intercluster) (Chair: Sr Lim)

BIM has received positive response from Datuk Sundra Rajoo of ASIAN International Arbitration Centre (AIAC) to our proposal for the BIM Summit on Appropriate Dispute Resolution, however the dates given were too near Chinese New Year, the committee is now in the midst of proposing a new date, AIAC will provide the venue and speakers, BIM to take care of the refreshments and lunch expenses. The committee proposed that a minimal charge to the participants to subsidize the expenses. In the meantime, the committee to work on organizing talks and training on ESG.

Multimedia (e.g. website, IT infra, and publication) (Chair: Datin TPr Noraida Saludin)

- i. E-Bulletin - the second issue e-bulletin was published and as discussed, the cover on the issue carries the image of the cluster for medical and healthcare;
- ii. BIM coffee table book – the committee will work on the concept paper and budget in due course;
- iii. Website – have yet to look into it and will do so in due course.

Media and Publicity (Chair: Assoc Prof Ts. Dr Jessica Ong)

- i. Upcoming Industry Talk Series organized by CILTM working together with Saito University College, the theme being Railway Renaissance: Transformative Innovations Shaping the Future Transportation Network on 22nd January 2024, 2.30PM, a slot is given for a simple introduction of BIM.
- ii. The International Symposium of Logistics and Supply Chain 2020 to be held in Thailand, 6th February 2024, in which the logo of BIM has been printed as supporter of the event.
- iii. To use the logo of BIM as supporter for the programme organized by WiLAT for their International Women's Day 2024 Celebration, this programs ins in collaboration with WIAM, Women in Engineering (IEM) and Mirakama.

Government Liaison and Governance Committee (Chair: Prof Log. Ts. Dr Othman)

- i. Courtesy Visits/Touching Base the Ministers:
- ii. Both Minister of Works, Dato Sri Alexander Nanta Linggi, and Minister of Investment, Trade and Industry, Tengku Zafrul bin Tengku Abdul Aziz, still touching base with the PA for a date, forsee a date to be fixed sometime in early February, 2024.

Education (Chair: Ts Dr Hj Mohd Nasir)

BIM provide student loan and thus BIM received several applications from various professional degree students.

Youth and gender Affirmity (Chair: Dr Helen Mitin and Dr Ismail)

- i. Program to foster relationship among Young Professionals
- ii. Organising activities or sport such as bowling tournament
- iii. Green and gender issues

IKM REPRESENTATIVES IN NATIONAL COUNCIL, COMMITTEES & WORKING GROUPS

101. IKM representatives on Standards Malaysia's Committees:

Malaysian National Accreditation Committee (NAC)

| | |
|------------------------------|--------------------|
| Datuk ChM Dr. Soon Ting Kueh | (Permanent member) |
| ChM Dr. Malarvili Ramalingam | (Alternate member) |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

National Standards Committee on Chemicals and Materials (NSC 02)

Datuk ChM Dr. Soon Ting Kueh (Permanent member)
ChM Chang Hon Fong (Alternate member)

National Standards Committee on Plastics and Plastic Products (NSC 10)

ChM Dr Lee Siang Yin (Alternate member)

National Standards Committee on Textiles and Apparels (NSC 17)

ChM Dr Nurul Huda binti Abd Karim (Permanent member)
Prof ChM Dr Phang Sook Wai (Alternate member)

National Standards Committee on Quality Management and Quality Assurance (NSC 25)

ChM Chang Hon Fong (Permanent member)
ChM Dr Li Hui Ling (Alternate member)

National Standards Committee on Environmental Management (NSC 26)

Datin ChM Dr Zuriati Zakaria (Permanent member)
Prof ChM Dr Juan Joon Ching (Alternate member)

Technical Committee on Plastic Products

ChM Dr Mansor Ahmad (Permanent member)

Technical Committee on Textile Raw Materials and Chemical Tests

Academician ChM Dr Ho Chee Cheong (Permanent member)

Technical Committee on Nanotechnologies

DCP(R) Assoc. Prof. Dato' ChM Dr Yew Chong Hooi (Permanent member)
Prof. ChM Dr. Sharon Teh Geok Bee (Alternate member)

Technical Committee on Forensics

ChM N. Hithaya Jeevan (Chairman)

Technical Committee on Statistical Methods

ChM Chang Hon Fong (Permanent member)
Prof. ChM Dr Sharon Teh Geok Bee (Alternate member)

Technical Committee on Conformity Assessment

Prof ChM Dr Sharon Teh Geok Bee (Co-opted member)
ChM Dr Linda Ng Yian Yian (Co-opted member)

Technical Committee on Child Care Articles

Datin ChM Dr Zuriati Zakaria (Permanent member)
Asst Prof ChM Dr Yvonne Choo Shuen Lann (Alternate member)

Technical Committee on Circular Economy

Datin ChM Dr Zuriati Zakaria (Permanent member)
ChM Dr Mansor Ahmad (Alternate member)

Technical Committee on Lime and Lime Products

ChM Zainal Arif Perwira bin Zainal Abidin (Permanent Member)

Working Group On Workplace Atmosphere and Indoor Air

Prof ChM Dr Juan Joon Ching (Permanent member)
Prof ChM Dr Phang Sook Wai (Alternate member)

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Working Group on Revision of SC1.2: Specific Criteria for Accreditation in the Field of Chemical Testing

Dr. Linda Ng Yian Yian (Permanent member)

Working Group on Chemical Test Method Related to Halal

ChM Dr. Malarvili Ramalingam (Permanent member)

ChM Dr Li Hui Ling (Alternate member)

102. IKM representatives on Department of Environment's Committee:

Consultant Evaluation Committee

Datuk ChM Dr. Soon Ting Kueh (Permanent member)

Datin ChM Dr Zuriati Zakaria (Alternate member)

103. IKM representatives on Malaysian Timber Industry Board

Technical Committee for Formaldehyde Emission CB

Assoc. Prof. ChM Dr. Nor Yuziah Mohd Yunus (Permanent member)

ChM Dr Li Hui Ling (Alternate member)

Technical Committee for Plywood Type 5 Scheme CB

Assoc. Prof. ChM Dr. Nor Yuziah Mohd Yunus (Permanent member)

ChM Dr Li Hui Ling (Alternate member)

FEDERATION OF ASIAN CHEMICAL SOCIETIES (FACS)

104. The Federation of Asian Chemical Societies (FACS) held 21th General Assembly and 83th FACS EXCO Meeting at Istanbul, Turkey on July 9, 2023 from 10.00 am to 12.00 noon. The FACS Executive Committee for 2023 – 2025 are as below-

| <i>Name</i> | <i>Position</i> | <i>Country</i> |
|---------------------------|---|----------------|
| Prof Mustafa Culha | President | Turkey |
| Prof Reuben Jih-Ru Hwu | Past President | Taiwan |
| Prof Supa Hannongbua | President-Elect | Thailand |
| A/Prof Onder Metin | Secretary General | Turkey |
| A/Prof. Supakorn Boonyuen | Secretary General-Elect | Thailand |
| Prof Juan Joon Ching | Treasurer | Malaysia |
| Prof Ehud Keinan | Communications Director | Israel |
| Prof Dave Winkler | Science Director | Australia |
| Prof Seokmin Shin | Science Director | Korea |
| Prof. Raymond Wong | Rep. from East & Pacific Asia | Hong Kong |
| Dr Dien Pandiman | Rep. from Southeast Asia & Papua New Guinea | Singapore |
| Dr Hamdan Mohammad Alajmi | Rep. from South & West Asia | Kuwait |

FACS has organized 21th general assembly and 83th FACS EXCO meeting on 9th of July 2023 during 19th Asian Chemical Congress (19ACC) from July 9-14, 2023 at Istanbul Technical University Suleyman Demirel Congress Center, Istanbul, Turkey. During the general assembly, Institut Kimia Malaysia (IKM) successfully won the bidding to organize 21th Asian Chemical Congress (21ACC) on 2027 in Kuala Lumpur, Malaysia. Datuk Dr Soon Ting Kueh managed to convince the EXCO members to entrust IKM for this conference. The upcoming 20th Asian Chemical Congress (20ACC) will be organized by Prof Supa Hannongbua at Thailand in 2025.

FEDERATION OF ASIAN POLYMER SOCIETIES (FAPS)

105. The Federation of Asian Polymer Societies, or FAPS, is a federation of national polymer/chemical societies from countries and territories in Asia. It was first established in 2008 with 4 Founding Members from China, India, Japan and South Korea. IKM joined FAPS as a member in 2009. At present, member countries are South Korea, India, Japan, China, Turkey, Russia, Taiwan and Malaysia. Prof ChM Dr Rusli Daik is IKM's representative at FAPS.

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

106. FAPS Polymer Congress 2023 (8th FAPS PC) was held at Bahçeşehir University (BAU), Istanbul Turkey, 12 – 14 September 2023, chaired by Prof. Dr. Ayşe Zehra AROĞUZ. Prof. Phang Sook Wai represented IKM and Malaysia to the congress (attended online).
107. Towards the end of the congress a FAPS Council Meeting was held. Amongst decisions made are as follows:
- 9th FAPS Polymer Congress will be held in Singapore in 2025. Professor Xiao Hu Matthew will be chairing the congress.
 - A new FAPS website will be established (<https://fapsasia.com>).

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY (IUPAC)

108. Institut Kimia Malaysia (IKM) continued to be a National Adhering Association (NAO) of the International Union of Pure and Applied Chemistry (IUPAC) since 2009. IKM's annual National Subscription to IUPAC for 2021 was paid by the Department of Chemistry Malaysia as requested by the Ministry of Science, Technology & Innovation (MOSTI).
109. IKM representation in Committees / Divisions of IUPAC for 2024/2025 term are:

| <i>Committee / Divisions</i> | <i>IKM Representative</i> | <i>Position</i> |
|--|---|-------------------------|
| Committee on Chemistry Education (CCE) | Datuk ChM Dr Soon Ting Kueh | Titular Member |
| Division I: Physical and Biophysical Chemistry | Prof ChM Dr Chong Kwok Feng | Associate Member |
| Division II: Inorganic Chemistry | ChM Dr Yang Farina Abdul Aziz | Titular Member |
| Division III: Organic & Biomolecular Chemistry | Datin ChM Dr Zuriati Zakaria | Titular Member |
| Division IV: Polymer | Prof ChM Dr Rusli Daik | National Representative |
| Division V: Analytical Chemistry | ChM Dr Malarvili Ramalingam | Associate Member |
| Division VI: Chemistry and The Environment | Prof ChM Dr Juan Joon Ching | Associate Member |
| Division VII: Chemistry & Human Health | Asst Prof ChM Dr Awis Sukarni Mohmad Sabere | Titular Member |
| Committee on Chemical Research Applied to World Needs (CHEMRAWN) | Asst Prof ChM Dr Yvonne Choo Shuen Lann | Associate Member |
| Committee on Chemistry and Industry (COCI) | ChM Dr V Jeyanny Vijayanathan | Associate Member |
| Interdivisional Committee on Green Chemistry for Sustainable Development | Prof ChM Dr Juan Joon Ching | Division Representative |

110. The Dutch Chemical Society hosted the 52nd General Assembly (52GA) and 49th World Chemistry Congress (49WCC) from 20-25 August 2023 in The Hague, Netherlands.
111. IKM will host the IUPAC 53rd General Assembly (53GA) and 50th World Chemistry Congress (50WCC) from 11-18 July 2025 in Kuala Lumpur, Malaysia. IKM will also host 51st World Polymer Congress (MACRO 2026) from 6-11 July 2026 in Kuching, Sarawak, Malaysia.

IV: STEERING COMMITTEES PROFESSIONAL AFFAIRS COMMITTEE

112. The main tasks of the IKM Professional Affairs Committee were to look into the setting up of the Joint Technical Committee for the accreditation of Chemistry Programmes, appointment of Inspectors under the Chemists Act and also to review the Chemist (General) Rules 1977.
113. The "Notification of Appointment of Inspectors" has been published in the gazette on 7 September 2017.
114. The contents of Chemist Rules 2024 were discussed with officials from the Attorney General's Chamber. The documents are expected to be submitted to YB Minister of MOSTI for approval in year 2024.

Joint Technical Committee (JTC)-IKM Working Group

115. IKM Council initiated to develop chemistry degree program standards to be adopted by our local universities.

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Subsequently a joint technical committee (JTC-IKM) working group involving representatives from IKM, Malaysian Qualifications Agency (MQA), universities and industries was formed to discuss and develop a chemistry degree programme standards for implementation by MQA for adoption by local universities. The inaugural JTC-IKM Working Group Committee Meeting was held on 3 January 2018 at IKM Board Room.

116. The JTC-IKM Working Group comprises the following:

| | |
|---|--------------------------------------|
| Academician ChM Dr Ho Chee Cheong (<i>Chairman</i>) | IKM |
| Mr Abdul Saman Taip | MQA |
| Mr Kamarul Bakri Abd Aziz | MQA |
| Ms Roslina Binti Abdullah | MQA |
| Ms Nurul Atiqah Abdul Rahman | MQA |
| Datin ChM Dr Zuriati Zakaria | IKM |
| ChM Chang Hon Fong | IKM |
| ChM Dr Mansor Ahmad | Universiti Putra Malaysia / IKM |
| ChM Dr Yang Farina Abdul Aziz | Universiti Kebangsaan Malaysia / IKM |
| DCP(R) Assoc. Prof. Dato' ChM Dr Yew Chong Hooi | IKM |
| ChM Dr Malarvili Ramalingam | Jabatan Kimia Malaysia / IKM |
| Prof ChM Dr Sharon Teh Geok Bee | IKM |
| ChM Dr Chong Fai Kait | Universiti Teknologi PETRONAS |
| ChM Dr Leong Loong Kong | IKM |
| Assoc Prof ChM Dr Ooi Ing Hong | International Medical University |
| ChM Dr Chin Teen | ALS Technichem (M) Sdn Bhd |
| ChM Dr Ng Thian Hong | IKM |
| ChM Dr Aqeel Saravanan | IKM |
| ChM Mohd Azizi Al-Hafiz Wirzal | IKM |

117. **Chemistry Degree Program Standards**

The program standards cover 5 modules: Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Analytical Chemistry and Chemical Health & Safety Management. The Chemistry Programme Standards based on the proposals from JTC-IKM Working Group has been submitted to MQA for review and approval.

V: EVENTS IN 2024

118. **Forum on Continuous Professional Development (CPD) Programme for Registered Chemists under Chemists Act 1975 (Act 158)**

Saturday, 30th March 2024 at Eastin Hotel Kuala Lumpur, Petaling Jaya, Selangor.

119. **57th IKM AGM & 3rd IKM Law Hieng Ding Foundation AGM**

Saturday, 30th March 2024 at Eastin Hotel Kuala Lumpur, Petaling Jaya, Selangor.

120. **International Congress on Pure & Applied Chemistry (ICPAC) Mongolia 2024**

Institut Kimia Malaysia (IKM), together with the Mongolian Chemical Society, Foundation for Interaction between Science & Technology (FIST) Japan and Asia Chem Corporation (ACC) Japan are jointly organizing the International Congress on Pure & Applied Chemistry Mongolia 2024 from 28 August – 1 September 2024. Please refer to <https://icpacmongolia2024.org/> for updates.

121. **Malam Kimia 2024**

Malam Kimia and Presentation of IKM Awards 2024 will be held on Friday, 6 December 2024.

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

VI: ACTIVITIES OF BRANCHES

122. During the year, the Branches organized several activities which include the following:

ANNUAL REPORT 2023/2024

B1 - IKM NORTHERN BRANCH

The 44th Annual General Meeting IKM Northern Branch was held on 11th February 2023 (Saturday), 3:00 – 5:00 pm, in an open hall at 41, Jalan Siakap, Bandar Seberang Jaya, 13700 Penang. Prof. ChM Dr. Yang Farina binti Abdul Aziz, from IKMHQ, was called upon to deliver a speech and officiate the 44th AGM of IKMNB. She began by thanking the chairman and the members for the warm welcome extended to her. She delivered the message by the President of IKM, Datuk ChM Dr. Soon Ting Kueh and said that she was delighted to see many young enthusiastic chemists (members of IKMNB) attending the meeting. She briefly explained the roles of IKM, and subsequently officiated the 44th AGM of IKMNB. She was then called upon to conduct the election of the office bearers of IKMNB. The newly elected office bearers of IKMNB for the term 2023-2024 are depicted below:

| No. | Name | Position |
|---|---|----------------------|
| 1 | Dato' ChM Dr. Hj. Mas Rosemal Hakim bin Mas Haris | Chairman |
| 2 | ChM Dr. Kathiresan a/l Sathasivam | Vice Chairman |
| 3 | ChM Dr. Nor Aziyah binti Bakhari | Hon. Secretary |
| 4 | ChM Dr. Lim Vuanghao | Hon. Treasurer |
| 5 | ChM Marina binti Mokhtar | Assistant Secretary |
| 6 | ChM Airul Azmel bin Ismail | Assistant Treasurer |
| 7 | ChM Damien Khoo Yiyuan | Committee Member |
| 8 | ChM Dr. Melati binti Khairuddean | Committee Member |
| 9 | ChM Dr. Lee Hooi Ling | Committee Member |
| 10 | ChM Dr. Lee Chai Guan | Committee Member |
| 11 | ChM Buvearasan a/l Muniandy | Committee Member |
| 12 | ChM Dr. Thiruvethan a/l Karunakaran | Co-opted Com. Member |
| 13 | ChM Dr. Muhammad Hakimin bin Shafie | Co-opted Com. Member |
| 14 | ChM Sidek bin Ahmad | Co-opted Com. Member |
| 15 | ChM Zaiton binti Abu Baidah | Co-opted Com. Member |
| 16 | ChM Dr. Sumiyyah binti Sabar | Co-opted Com. Member |
| Internal Auditors of IKM Northern Branch for the term 2023-2024 | | |
| 1 | ChM Dr. Goh Teik Beng | |
| 2 | ChM Dr. Mohd Ridhwan bin Adam | |

Meetings

| Meetings | Date | Venue |
|---|---|---|
| 1 st IKMNB Committee Meeting | 11 th February 2023 (Saturday) | At 41, Jalan Siakap, BSJ, Penang, i.e., after the 44 th AGM of IKMNB |
| 2 nd IKMNB Committee Meeting | 8 th March 2023 (Wednesday) | Online - Zoom meeting |
| 3 rd IKMNB Committee Meeting | 26 th April 2023 (Wednesday) | At AIMST University, Bedong, Kedah |
| 4 th IKMNB Committee Meeting | 13 th May 2023 (Saturday) | Online - Zoom meeting |
| 5 th IKMNB Committee Meeting | 14 th June 2023 (Wednesday) | Online - Zoom meeting |
| 6 th IKMNB Committee Meeting | 25 th June 2023 (Sunday) | In a meeting room at 41, Jalan Siakap, Bandar Seberang Jaya, Penang. |
| 7 th IKMNB Committee Meeting | 26 th September 2023 (Tuesday) | In a meeting room at 41, Jalan Siakap, Bandar Seberang Jaya, Penang. |
| 8 th IKMNB Committee Meeting | 10 th December 2023 (Sunday) | De Pauh Garden Restaurant, Permatang Pauh, Penang |
| 9 th IKMNB Committee Meeting | 6 th January 2024 (Saturday) | Penang Golf Resort, Bertam, Penang |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Activities

Visit AIMST University, host for Karnival Kimia Malaysia (K2M) ZON UTARA 2023

On 26th April 2023, the chairman and five committee members of IKMNB met Prof. Datuk Dr. John Antony Xavier, the Vice Chancellor of AIMST University. The main purposes were to discuss the planning of K2M Zon Utara 2023 and visit several possible sites for the program.

Karnival Kimia Malaysia (K2M) ZON UTARA 2023

K2M Zon Utara 2023 was held on 14th June 2023 (on-line) and 15th June 2023 (on-site). ChM Dr. Malarvili Ramalingam officiated the program. The programs were well received by academicians, students (secondary schools, undergraduates, and graduates), governmental and non-governmental institutions, administrators, and the public at large. The total number of attendees for the On-Site Activities held 15th June 2023 at AIMST University is 1075. A vote of thanks to all that had contributed to making the program a memorable success.

Sains Ke Desa

Sains ke Desa event was held on 24th June 2023 (Saturday), 8.30 a.m. to 1.00 p.m. The Department of Applied Science, UiTM Penang Branch, in collaboration with SMK Sungai Acheh, YaPEIM and Institut Kimia Malaysia Northern Branch organised the program at SMK Sungai Acheh, Nibong Tebal, Penang. The closing ceremony was officiated by the Deputy of PPD SPS (Sektor Pembangunan Murid), Puan Siti Fadzilah Binti Osman. A total of 300 students and 70 teachers have participated in this program. A variety of STEM (Science, Technology, Engineering and Mathematics) activities were held, including Fun-task-stick Science Exploration, Junior Investigator, bridge building competition, STEM exhibition and academic mission exhibition. These activities were not only educational but also encouraged students to apply the concepts and principles of STEM in real-world situations.

Nuclear Magnetic Resonance (NMR) Workshop

A '2-days NMR Workshop', was conducted at the School of Chemical Sciences, Universiti Sains Malaysia on 3rd and 4th October 2023. IKMNB was invited to be the co-organiser. Several IKMNB committee and members (7 persons) attended the workshop. The speaker of the program was Dr Chin Ho from USM.

Community Based Program – “Pertandingan Congkak & Boling 2023”

IKMNB members from USM (PPS Kimia & Pusat Racun Negera), UiTM Penang, Petronas (PCFKSB) and from non-governmental organizations attended and participated in the Bowling Competition held on 21st October 2023 at Ole Ole Superbowl Mydin Mall Bukit Mertajam, Penang. Besides winning cash prizes and trophies, members were also awarded certificates.

“Malam Apresiasi”

An appreciation event – “Malam Apresiasi” was held on 16th December 2023 at De Pauh Garden, Permatang Pauh, Penang. ChM Dr. Malarvili Ramalingam officiated the event. Members of IKMNB, strategic partners (AIMST University, UiTM Penang, USM, Petronas Fertilizers Gurun, Jabatan Pendidikan Negeri and Pejabat Pendidikan Daerah Pulau Pinang), invited guests, teacher and students attended the event.

B2 - IKM SOUTHERN BRANCH

37th Annual General Meeting

The 37th Annual General Meeting of the Branch was held on 11th March 2023 at KSL Hotel & Resort, Johor Bahru. A total of 31 members attended the meeting. The AGM was officiated by IKM HQ representative ChM Mr. Chang Hon Fong, who also witnessed the election of the office bearers for the term 2023/2024.

The following members were elected as office bearers for the term 2023/2024:

| | |
|----------------------------|----------------------|
| ChM Ms. Yap Fei Ching | Chairman |
| ChM Dr. Sheela Chandren | Vice Chairman |
| ChM Ms. Poo Sher Lin | Hon. Secretary |
| ChM Mr. Soh Ee Shan | Hon. Treasurer |
| ChM Dr. Mohd Akmal Mokhter | Asst. Hon. Secretary |
| ChM Dr. Cassy Chong | Asst. Hon. Treasurer |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | |
|--------------------------------------|------------------|
| Assoc. Prof. ChM Dr. See Hong Heng | Committee Member |
| ChM Ms. Amelia Cheng Guay Neo | Committee Member |
| ChM Mr. Rajendran M. Subramaniam | Committee Member |
| Prof. ChM Dr. Zaiton Abdul Majid | Committee Member |
| Assoc. Prof. ChM Dr. Jafariah Jaafar | Committee Member |

The following members were nominated and duly elected as internal auditors:

ChM Mr. Chong Kuek Phin & ChM Ms. Leong Lee Siah

During the branch committee meetings, the following were co-opted into the committee:

Assoc. Prof. ChM Dr. Mohd Bakri Bakar & ChM Dr. Mohamad Shazwan Shah Jamil

The committee also unanimously endorsed to invite ChM Mr. Qua Sai Chuan as the committee's advisor.

Committee Meeting

The branch held 4 committee meetings during the term. The dates of the meeting are as follows:

- 1st Committee Meeting - 11th March 2023 (offline meeting)
- 2nd Committee Meeting - 14th June 2023 (virtual meeting)
- 3rd Committee Meeting - 24th August 2023 (virtual meeting)
- 4th Committee Meeting - 21st October 2023 (offline meeting)

Activities

Investment Talk titled "Market Outlook and Investment Opportunities 2023" (11 March 2023)

In conjunction with the 37th AGM, an investment talk titled "Market Outlook & Investment Opportunities 2023" was given by Ms. Cherry Hoh Chui Thing on 11th March 2023 at 9.30am at KSL Hotel & Resort, Johor Bahru. The talk covered topics on global inflation & Malaysia's inflation and the market outlook in Asia. Speaker: Ms. Cherry Hoh also listed some investments that are speculated to have positive gains and she showed us a few good examples of positive results from her clients' investments. The talk was attended by 34 members and spouses.

Educational Visit to Kluang

Educational and Fellowship Tour to Kluang was organized for members and their family. Total 44 members and their family joined the trip. The visit includes the attractions of the Zenxin Organic Farm, UK Farm. Kluang Coffee Factory and the street painting.

2-Day Workshop on General QA/QC Procedures for Testing Laboratories (9 - 10 October 2023)

A 2-day workshop on General QA/QC Procedures for Testing Laboratories was held on 9 - 10 October 2023 at Capri by Fraser, Johor Bahru. Mr. Yeoh Guan Hua was the trainer for the workshop and a total of 29 participants from the industries attended the course.

Karnival Kimia Malaysia, K₂M (Johor) (14 October 2023)

Karnival Kimia Malaysia (K₂M) Johor 2023 has been held on the 14th of October 2023, Saturday in the N24 Building, Universiti Teknologi Malaysia (UTM). This carnival was organised by Institut Kimia Malaysia (IKM) Southern Branch and Faculty of Science UTM with great contribution from Jabatan Pendidikan Negeri Johor and Jabatan Kimia Malaysia Negeri Johor. More than 750 secondary school students and teachers (683 students and 96 teachers) from all around Johor (Johor Bahru, Muar, Batu Pahat, Kluang, Mersing and other districts) have participated in this carnival to join the competitions and experience a lot of fun and interesting activities held by different exhibition booths from different departments like chemistry, physics, biology and mathematics.

The competitions held during this carnival include:

- Chemdemo- chemistry demonstration competition
- Crime scene investigation competition
- Periodic table games
- Chemistry in living lab competition
- 3 minutes' chemistry competition

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

- Chemistry Olympiad

All the competitions were held for lower and upper form students. Besides that, Meet the Scientist talk was also held in the opening session of the carnival and the talk was given by Prof ChM Dr. Zaiton Abd Majid. It was a great session that discovered school students' passion and enthusiasm towards chemistry and science field. After that, a talk related to the safety measures in the laboratory was also given by Assoc. Prof. ChM Dr. Jafariah Jaafar, one of the most active OSHE CHRA auditors for the school teachers who teach chemistry or science subjects in the laboratory. Jabatan Kimia Malaysia Johor also participated in this carnival by opening an exhibition booth for the visitors. All the participants from 44 secondary schools and competition winners coming from different schools around Johor were acknowledged during the closing ceremony of K2M which was officiated by Deputy Vice Chancellor (Research and Innovation) of UTM, Prof. Dr Mohd Shafry Mohd Rahim. This closing event was also attended by Dean of Faculty of Science UTM, Assoc. Prof. Dr. Shafinaz Shahir and IKM(S) committees. The closing was completed with a gimmick performance related to chemistry reduction-oxidation reaction and montage video. This K2M was a grand and successful event held by IKM(S) since after pandemic covid-19 which the last one was held in 2019.

Seri 2023: Series 1 – Share Your Experience: Research & Industrial Training (2 November 2023)

Seri 2023: Series 1 – Share Your Experience: Research & Industrial Training took place on the 2nd of November 2023 online through the WEBEX application. The program was organized by JKPP, Department of Chemistry, Faculty of Science, UTM, in collaboration with the Institut Kimia Malaysia (IKM) Southern Branch, Association of Official Agricultural Chemists Southeast Asia Section (AOAC Southeast Asia), and Universiti Sains Malaysia (USM). ChM Dr. Sheela Chandren, Vice Chair of the Institut Kimia Malaysia (IKM) Southern Branch, led this forum alongside 3rd-year Chemistry students as the organizing committee. The objective was to provide early industrial exposure to students before their Industrial and Research Training. The event featured insights from three industry representatives: Ms. Joanne Ho from Waters Corporation, Singapore, Ms. Ratih Dewi Sujana from PT Saraswanti Indo Genetech (SIG Laboratory), Indonesia, and Ms. Zuraidah Yahya from Frost & Sullivan GIC Malaysia Sdn Bhd, Malaysia. The agenda covered challenges and expectations related to the quality of Malaysia-produced graduates. ChM Rachel Yap Fei Ching, Chairman of the Institut Kimia Malaysia (IKM) Southern Branch, and Dr. Qi Lin, President of the AOAC Southeast Asia Section, delivered opening speeches, followed by the official commencement by Assoc. Prof. ChM Dr. Norazah Basar, Director Chemistry, Faculty of Science, UTM. A total of 214 participants attended the online event, with 213 undergraduates and 1 staff from UTM (207), USM (6), and UTAR (1). The forum included 4 game sessions through the Mentimeter website, adding a lively and interactive dimension to the event. At the conclusion, 10 lucky students received RM25 cash prizes each for answering quiz questions correctly.

IKM(S) Academic Excellence Award (21 November 2023)

This award is given to a bachelor's degree graduate who has shown excellent achievement in the field of chemistry. Congratulations to Sandra Ooi (from Industrial Chemistry) for achieving this award and receiving a RM1000 cheque and a certificate from ChM Yap Fei Ching (Chairman, IKM Southern Branch).

Educational Visit - Food & Water Testing Laboratory Visit to Allied Chemists Laboratory Sdn. Bhd. (24 November 2023)

An educational visit to Allied Chemists Laboratory Sdn. Bhd., Johor Bahru took place on 24th November 2023, Friday from 9.00am to 12.00pm. There were 16pax of IKM(S) members who attended the visit. The educational visit included a laboratory visit and a presentation to further understand the services that the laboratory provides.

IKM(S) – UTM Workshop on Preparation & Application of Registered Chemists under IKM (28 November 2023)

The Centre for Talent and Leadership Development (CTLTD) Universiti Teknologi Malaysia (UTM), in collaboration with the Faculty of Science, hosted a workshop on 28th November 2023, focusing on becoming professional chemists (ChM) in Malaysia. The Chairman of the IKM (Southern Branch) ChM Rachel Yap Fei Ching was the speaker and led the session at the Faculty of Science, UTM. The workshop, attended by 14 UTM lecturers interested in joining IKM, provided valuable insights into IKM, including the Chemist Act, and covered the details of membership application processes. The goal was not only to guide participants but also to enhance IKM's presence

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

at the higher education level. This collaborative program between IKM and UTM also emphasizes a commitment to promoting professional development within the academic community.

IKM Malam Kimia (1 December 2023)

Malam Kimia & Presentation of IKM Awards 2023 was held on 1st December 2023 at One World Hotel, Kuala Lumpur. Congratulations to ChM Dr. Sheela Chandren & ChM Dr. Cassy Chong Mun Hwa for the IKM Citation Awards 2023. IKM(S) Chairman, ChM Ms. Yap Fei Ching together with ChM Ms. Poo Sher Lin and ChM Mr. Rajendran A/L M. Subramaniam attended the event.

Appreciation

The IKM Southern Branch committee (term 2023/2024) wished to express their appreciation to all members, friends from the industries and all those who had in one way or another helped in supporting the functions organized during the current term.

B3 - IKM SARAWAK BRANCH

37th IKM Sarawak Annual General Meeting

IKM Sarawak Branch 37th Annual General Meeting (AGM) was held on the 25th of February 2023 at the Rafflesia Room, Chemsain Building, Kuching, Sarawak, and a talk entitled 'Greenhouse Gas Reduction Initiatives in The Oil & Gas Industry' was presented by Ms. Mariana Michael, the invited speaker of the event. A total of 35 members attended the event. During the AGM event, IKM Vice President, Datin ChM Dr. Zuriati Zakaria addressed matters related to the activities organized by IKM including its future plans. The Chairman of IKM Sarawak Branch, ChM Dr. John Chan also summarised IKM's past term activities and expressed his gratitude to all the members for their commitment and undying support. The following office bearers were duly elected for the year 2023/2024:

| | |
|-----------------------|-------------------------------------|
| Chairman | ChM Dr. John Chan Sung Tong |
| Vice Chairman | Assoc. Prof. ChM Dr. Sim Siong Fong |
| Hon. Secretary | ChM Hazalinawati Binti Zailani |
| Hon. Treasurer | Assoc. Prof. ChM Dr. Tay Meng Guan |
| Assist Hon. Secretary | ChM Aishah Binti Abdul Aziz |
| Assist Hon. Treasurer | ChM Jong Hui Lan |
| Committee Members | Prof. ChM Dr. Zainab Binti Ngaini |
| | ChM Nigel Lim Poon Teck |
| | ChM Dr. Lau Seng |
| | ChM Gerald Grino Anak Apil |
| | ChM Dr. Cindy Tan Soo Yun |
| Internal Auditors | ChM Jong Poh Chan |
| | ChM Affifandi Bin Allias |

IKM Sarawak Branch Committee Meetings

Five IKM Sarawak committee meetings have been held in 2023. Details are as follows: -

| Meeting No. | Date | Mode | Venue |
|-------------|----------------|----------------------|----------------------------|
| 1 | 13 March 2023 | Physical and Virtual | Chemsain Building, Kuching |
| 2 | 28 March 2023 | Physical and Virtual | Chemsain Building, Kuching |
| 3 | 20 May 2023 | Physical and Virtual | Chemsain Building, Kuching |
| 4 | 8 August 2023 | Physical and Virtual | Chemsain Building, Kuching |
| 5 | 3 October 2023 | Physical | Chemsain Building, Kuching |

During the first IKM Sarawak Branch committee meeting, six IKM members were appointed as co-opted committee members. The co-opted members are:

- ChM Nur An-Nisaa' binti Mohamad Yusoff
- ChM Fakhrol Iman bin Mohammad
- ChM Michelle Crystal Henry
- ChM Jocephine anak Jonip
- ChM Nur Ainiza binti Zakaria

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

vi. ChM Nur Aida binti Nur Azman

The Chairs of the IKM Sarawak sub-committee for the Sibul, Bintulu, and Miri regions continually led their respective regions' activities. The Chairs are:

- (i) ChM Mozzarie Shahrayzam Bin Masidi – Sibul Region
- (ii) ChM Dr. Sivasangar a/l Seenivasagam – Bintulu Region
- (iii) ChM Alvin Bong Chee Hong – Miri Region

IKM Sarawak Exhibition – Betong Gawai Fun Run 2023

Meanwhile, IKM Sarawak Sibul Region was invited to participate in an exhibition expo held on 1st May 2023 in Betong Division, Sarawak. *Pejabat Kesihatan Bahagian* (PKB) Betong organized this exhibition as part of the Betong Gawai Fun Run 2023 program. The event itself was inaugurated by YB Dato Gerald Rentap Jabu, Deputy Minister of Youth, Sports, and Entrepreneur Development and member of the N.36 Layan State Assembly. Along with 150 runners, including students, PKB employees, chemists, and members of the general public, the event attracts representatives from several professional groups in Sarawak. Through this participation, IKM Sarawak hopes to establish its presence in the Betong Division and meet chemists from various backgrounds to connect, network, and forge stronger bonds. IKM Sarawak Sibul Region Sub-Committee Chairman, ChM Mozzarie Shahrayzam Bin Masidi, led the exhibition.

IKM Sarawak Talk 2023 – Sharing Experiences of Research Secondment and Travels in Estonia and Romania

An interesting talk entitled "Sharing Experiences of Research Secondment and Travels in Estonia and Romania" was presented by Assoc. Prof. ChM Dr. Sim Siong Fong on 29th May 2023. 28 IKM members attended the talk virtually via Microsoft Team.

IKM Sarawak Chemists Bowling Fellowship 2023

A Chemists Bowling Fellowship 2023 was held on 11th June 2023 at MegaLanes Emart Batu Kawa, Kuching by the IKM Sarawak Branch. Eleven teams made up of IKM members, postgraduate students, friends, and family participated in the competition. Kuching Water Board's KWB Strikers won the gold medal, followed by Al-Haytham Squad for silver, and Fe-KIMIA from the Department of Chemistry Malaysia Sarawak State for bronze. This competition's goals are to foster fellowship among participants and promote IKM to postgraduate students. ChM Dr. Cindy Tan Soo Yun coordinated the event assisted by ChM Hazalinawati binti Zailani.

IKM Sarawak Exhibition – STEM TRAILBLAZERS Sarawak

IKM Sarawak Miri Region has participated in an exhibition held on 6th – 8th July 2023 at Curtin University Malaysia, Miri, Sarawak. The event was jointly organized by the Ministry of Education, Innovation and Talent Development, Sarawak (MEITD), Swinburne University of Technology, Curtin University Malaysia, and University Technology of Sarawak to promote STEM education and careers besides building interest and inspire Sarawakians towards STEM. The exhibition was led by IKM Sarawak Miri Region Sub-Committee Chairman, ChM Alvin Bong Chee Hong, and assisted by ChM Phneh Kok Wei and ChM Amelia Mavis Lee Ting Ting.

The 9th International Conference on Network for Inter-Asian Chemistry Educators (9NICE)

The event was successfully organized on 28th – 30th July 2023 at the Imperial Hotel, Kuching, and Maktab Perguruan Batu Lintang, Kuching. The conference which involved participants from Japan, Korea, Taiwan, and Malaysia was organized by Institut Kimia Malaysia (IKM) with the collaboration of IKM Sarawak Branch, Institut Pendidikan Guru Kampus Batu Lintang, Universiti Malaysia Sarawak, Department of Chemistry Malaysia, Sarawak State and Sarawak Education Department.

Karnival Kimia Malaysia (K2M) Sarawak Zone 2023 & Rotary Youth Leadership Awards (RYLA)

The successful event, held from 23rd to 26th September 2023 at SMK Kapit No. 2, Kapit, Sarawak, hosted 200 students. Pelagus assemblyman, YB Wilson Nyabong anak Ijang inaugurated the program, featuring talks on the "Wonders of Science" and hands-on projects covering diverse topics. The event followed by RYLA who empowered Form 3 and 4 students to emerge as effective leaders.

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Borneo Environment Conference 2023 (BEnConf 2023)

The Borneo Environment Conference 2023 (BEnConf 2023), a program jointly organized by the Natural Resources and Environment Board (NREB) Sarawak and Sarawak Energy, was held on 15th-16th November 2023 at Imperial Hotel, Kuching. The program focuses on "Knowing and Managing Climate Change" and it was inaugurated by Deputy Minister for Energy and Environmental Sustainability, Datuk Dr. Haji Hazland bin Abang Haji Hipni who delivered its keynote speech.

UPC Inter-Professional Games (IPG) 2023

IKM Sarawak Branch collaborated with Sarawak Institute of Agricultural Scientists (SIAS) and Sarawak Veterinary Association (SVA) for IPG 2023, participating in Golf, Badminton, and Bowling. The closing dinner took place on 13th October 2023 at Sarawak Club, Kuching.

IKM Sarawak Training

Understanding the Elements of MS ISO/IEC 17025:2017: What Has Changed and GAP Analysis Workshop

The 2-days workshop was coordinated by ChM Nur An-Nisaa' binti Mohamad Yusoff and the trained by ChM Sim Hang Thiew on 17th and 18th July 2023 at Raia Hotel, Kuching. 25 participants from Semongok Agriculture Research Centre (ARC) attended the workshop. The workshop aimed to provide participants with an understanding of the MS ISO/IEC 17025:2017, the current changes, and the GAP analysis.

Workshop on Analytical Skills for Laboratory Technicians

The Analytical Skills for Laboratory Technicians workshop was conducted on 25th and 26th July 2023 at the Faculty of Resource Science and Technology, Universiti Malaysia Sarawak (UNIMAS), Kota Samarahan. Attended by 24 participants from various agencies, this workshop was coordinated by ChM Aishah Binti Abdul Aziz and Prof. ChM Dr. Zainab Ngaini. Moreover, the 2-days workshop also covers classroom theory, discussion, and hands-on laboratory sessions to provide theoretical and practical skills for laboratory technicians.

Course on Good Laboratory Practices

Prof. ChM Dr. Zainab Binti Ngaini, ChM Aishah Binti Abdul Aziz, and ChM Hazalinawati Binti Zailani, together organized a 2-day course on 15th and 16th August 2023 at Raia Hotel, Kuching. Incorporating theory, practice, and discussion, this workshop was attended by 30 participants from the Semongok Agriculture Research Centre (ARC), to provide key principles of Good Laboratory Practice (GLP participants).

Workshop on Advanced Microsoft Excel for Laboratory Data Management

The Advance Microsoft Excel for Laboratory Data Management workshop was conducted on 23rd and 24th August 2023 at Chemsain Building, Kuching, and coordinated by ChM Hazalinawati Binti Zailani, including Assoc. Prof. ChM Dr. Sim Siong Fong lead the training session. Attended by 14 participants from various agencies, the objective of this workshop was to provide participants with skills to manage and analyze routine laboratory data using advanced Microsoft Excel features.

Workshop on Basic Microsoft Excel for Laboratory Data Management and Processing

The 2-day Basic Microsoft Excel for Laboratory Data Management and Processing workshop was conducted on 18th and 19th December 2023 at Kelab Kidurong Bintulu and coordinated by ChM Hazalinawati Binti Zailani. The trainer of the workshop, Assoc. Prof. ChM Dr. Sim Siong Fong led 11 participants from Malaysia LNG (MLNG) to provide participants with fundamental skills like organizing, processing, and managing data from laboratory analysis.

IKM Sarawak Branch Upcoming Activities

| No. | Event | Date | Venue |
|-----|--|--------------|---------------------------|
| 1. | IKM Sarawak Chemistry Night 2024 | 1 March 2024 | Waterfront Hotel, Kuching |
| 2. | IKM Sarawak Branch 38 th Annual General Meeting (AGM) | 2 March 2024 | Waterfront Hotel, Kuching |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Conclusion

The year 2023/2024 was another successful year for IKM Sarawak Branch with many activities and events organized by the committee members. Being fully committed and dedicated, IKM Sarawak Branch believes that all these activities have positive impacts on the development of Chemistry in particular and Science in general.

B4 - IKM SABAH & FT LABUAN BRANCH

30th Annual General Meeting

Date: 4th March 2023

The Pacific Sutera Hotel, Kota Kinabalu, Sabah

21 members attended the 30th AGM. During the meeting, standing committee members for the term 2022/2023 relinquished their posts. The new committee members for term 2023/2024 were elected and co-opted as follows;

| | |
|--------------------------|---|
| Chairman | ChM Dr Jenny Lee Nyuk Len |
| Vice Chairman | ChM Dr Morius bin Bantas |
| Honorary Secretary | ChM Debbie Annabell Peter |
| Honorary Treasurer | ChM Robinetta Joyce Malangig |
| Honorary Asst. Secretary | ChM Dr Stella Ho Yen Ling |
| Honorary Asst. Treasurer | Assoc. Prof Ts ChM Dr Mohd Sani Sarjadi |
| Committee members | Assoc. Prof ChM Dr Moh Pak Yan, ChM Suzanna J. Rice Oxley, ChM Bahri bin Rusli, ChM Doreen Benjamin, ChM Jessieca Junas & ChM Siti Fatimah binti Dek (Co-opted) |
| Internal Auditors | ChM Khairun Nasir bin Moktar & ChM Dr Newati Wid |

Committee Meetings (2023/2024)

There were four committee meeting held this year. Meetings were held on;

- 7th March 2023 at The Pacific Sutera Harbour, Kota Kinabalu with 9 attendees.
- 12th April 2023 at Hyatt Centric Hotel, Kota Kinabalu with 10 attendees.
- 30th July 2023 at Venitian Club, Kota Kinabalu with 10 attendees.
- 24th October 2023 at Venition Club, Kota Kinabalu with 8 attendees.

Activities

Workshop on Statistical Methods for Laboratory Analysis (WSML)

Date: 15th -16th February 2023 The Pacific, Sutera Harbour Resort, Kota Kinabalu

19 participants attended the 2-day course. The course was presented by Prof ChM Dr. Sharon Teh Geok Bee

Workshop on Method Validation & Verification Procedure and Protocol in The Quality System Compliance (MVVPC)

Date: 25th – 26th May 2023 Shang-ri La Tanjung Aru, Kota Kinabalu

45 participants attended the 2-day course. The course was presented by ChM Dr Malarvilli Ramalingam.

In house training on ISO awareness for ISO/IEC 17025 for Jabatan Air Negeri Sabah (JANS)

Date: 2nd – 3rd November 2023 The Pacific, Sutera Harbour Resort, Kota Kinabalu

20 participants attended the 2-day course. The course was presented ChM Debbie Annabell Peter

Karnival Kimia Malaysia (K2M)

Date: 28th October 2023 Maktab Sabah, Kota Kinabalu

The Malaysian Institute of Chemistry Sabah & Labuan FT Branch (IKM), together with SM Maktab Sabah (Sabah College), jointly organized the Malaysian Chemistry Carnival (K2M) 2023 for the Sabah State & FT Labuan levels at Perdana Hall for one day on 28th October 2023. This year marks the seventh time that the Malaysian Institute of Chemistry, Sabah and Labuan FT Branch, organized the event. The theme for K2M in 2023 is 'Chemistry is Awesome,' aimed at creating interest among students and showcasing that learning chemistry is interesting and fun. The event attracted an audience of about three hundred (300) Form 3 students from the school. Also in attendance were teachers, parents, civil servants, and members of the public. Datuk ChM Dr. Soon Ting Kueh, President of Institut Kimia Malaysia (IKM) Headquarters, officiated K2M 2023 with a chemical reaction gimmick

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

ceremony. Interactive exhibitions during the carnival saw participation from thirteen (13) government and non-government agencies from Sabah, mainly in the Kota Kinabalu area. The students were presented with a series of talks on 'Green Environment,' 'Sustainable Water Management,' and 'Chemical Waste.' The CSI games session for the students was handled by the Department of Chemistry, Malaysia (Sabah). The highlights of the carnival were a series of fifteen (15) chemistry experiments, such as Burning Paper, Black Snake, Coke Fountain, Chemical Traffic Lights, Candy Chromatography, Erupting Volcano, Extinguish and Reignition Experiment, Elephant Toothpaste, Fire-Proof Balloon, Invisible Fire, Larva Lamp, Needle through Balloon, Rainbow Column in Glass, Rainbow Milk, and Red Cabbage Indicator. During these experiments, the students had the opportunity to try out and conduct their own experiments under the guidance of University Malaysia Sabah (UMS) facilitators.

Study Tour to Beijing China

Date: 9th -15th November 2023 Beijing, China

The Institut Kimia Malaysia (IKM) Sabah and Federal Territory (FT) Labuan embarked on a study tour to Beijing, China, from 9 to 15 November 2023. Six IKM members participated in this study tour. Among the many attractions in Beijing, the members visited some of the most famous places, including the Forbidden City, Summer Palace, Tiananmen Square, Temple of Heaven, and the Bird's Nest Stadium—an architectural marvel from the 2008 Beijing Olympics. Undoubtedly a highlight of the tour, the members experienced the grandeur of the Great Wall of China. Hiking along sections of this ancient marvel, they were treated to historical significance and breathtaking panoramic views. To enrich the learning experience, the members also visited a prominent latex product manufacturer in Beijing. The manufacturer showcased a wide array of latex products, ranging from medical supplies to consumer goods. The members gained valuable insights into latex production processes, quality control measures, and the diverse applications of latex in various industries. The study tour provided a multifaceted learning experience for IKM Sabah and FT Labuan participants. Exposure to China's rich cultural heritage, coupled with the exploration of iconic landmarks, contributed to a deeper understanding of the nation's history and development. The visit to the latex product manufacturer offered practical knowledge about an industry with global significance.

IKM Sabah & FT Labuan Social Night 2023

Date: 16 December 2023 Shang-ri La Tanjung Aru, Kota Kinabalu

Social Night for IKM Sabah & FT Labuan was conducted with the theme "Alternative Career – If I am not a Chemist". Activities for the night include a buffet dinner, Charades competition, Logo Kahoot Quiz, Riddles contest, Best Dress and Lucky Draw.

B5 - IKM PERAK BRANCH

28th Annual General Meeting

The 28th Annual General Meeting of IKM Perak Branch was held at Kampar Meeting Room, Level 2, Travelodge Hotel Ipoh 6.00 pm on Saturday, 11th March 2023. A total of 29 members attended this meeting. Datin ChM Dr Zuriati Zakaria (IKM Vice President) representing the IKM President, officiated the AGM. The following members were elected to the Branch Committee for the year 2022/2023. However, Dr Lam tender resignation letter as committee member on 13/03/2023.

| | | |
|------------------------|---|---|
| Chairman | : | ChM Dr Wong Lai Peng |
| Vice-Chairman | : | ChM Dr Hayyiratul Fatimah Mohd Zaid |
| Hon. Secretary | : | ChM Chon Huey Chian |
| Hon. Treasurer | : | ChM Dr Mazlin Binti Mohideen |
| Asst. Hon. Secretary | : | ChM Jocelyn Agnes Lazarus |
| Asst. Hon. Treasurer | : | ChM Komathy A/P Veerasingham |
| Members | : | ChM Yong Pui San |
| | | ChM Dr Sharon A/P Fatinathan |
| | | ChM Rosmawati Shaharuddin |
| | | ChM Dr Tan Kok Weng |
| | | ChM Dr Lam Sze Mun (Resigned on 13/03/2023) |
| Hon. Internal Auditors | : | ChM Dr Khor Poh Yen |
| | | ChM Amar Singh s/o Banta Singh |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Committee Meetings

Total of 10 committee meetings were held for term 2023-2024. 6 committee meetings were held at Meeting Room, Jabatan Kimia Perak. The 7th committee meeting was held at Perak Golf Club, Fairway Restaurant and the 8th committee meeting was held online. 9th and 10th committee meeting was held at Perak Golf Club, Fairway Restaurant. Dr Wong proposed that Mr Khairul Hadi in 1st committee meeting and Mr Ng Choon Heng in 2nd committee meeting to be the Co-Opted Committee Member. The Committee Members unanimously agreed to this suggestion. Mr Khairul Hadi has resigned as Co-Opted Committee Member on 29/11/2023 due to transfer to Jabatan Kimia Negeri Johor.

| <u>Comm. Meeting No.</u> | <u>Date</u> |
|--------------------------|-------------|
| 1/2023-2024 | 31.03.2023 |
| 2/2023-2024 | 12.05.2023 |
| 3/2023-2024 | 09.06.2023 |
| 4/2023-2024 | 21.07.2023 |
| 5/2023-2024 | 24.08.2023 |
| 6/2023-2024 | 22.09.2023 |
| 7/2023-2024 | 06.10.2023 |
| 8/2023-2024 | 09.11.2023 |
| 9/2023-2024 | 06.12.2023 |
| 10/2023-2024 | 10.01.2024 |

Educational Visit

The education visits to Sibelco Tinex Kaolin Sdn Bdn was successfully held on 20/07/2023. The total number of participants were 16 people.

Social High Tea

IKM Perak Branch Social High Tea was successfully held on 24/11/2023, Sunday, 12.30pm – 4pm, High Tea Buffet at MH Hotel. Total of 38 participants attending which included IKM members and family members.

Workshop

The workshop on Understanding the elements of MS ISO/IEC 17025:2017 was successfully conducted on 02-03 October 2023 at Tower Regency Hotel by Mr Chang Hon Fong. Total of 14 paid participants attended the workshop. Dr Mazlin joined this workshop with no charge, and she was the person in-charge during the workshop.

CSR K2M Perak 2023

The 4th K2M 2023 was held on 18/11/2023, 8am-4.30pm, with theme “Kelestarian Kimia Dalam Kehidupan”. It was a collaboration event together with Panitia Kimia Daerah Kinta Utara, Perak. The venue of the event was SMK Menglembu, Ipoh. Total of 6 districts included Kinta Selatan, Kinta Utara, Kuala Kangsar, Larut, Matang & Selama, Manjung and Perak Tengah of Primary and Secondary Schools from Perak involved in this event. There were 164 students and teachers from both primary and secondary schools involved in Innovation competition, 11 teachers from both primary and secondary schools involved in 3 minutes PdPC Poster Pitching Competition, 33 teachers from both primary and secondary schools involved in Microscale Teaching of Chemistry workshop and 32 students and teachers from both primary and secondary schools involved in STEM Talent Show. There were 13 Judges invited from UTP and UniKL to judge the Innovation Competition and 3 minutes PdPC Poster Pitching Competition. 6 Lecturers from UKM led by Datin Dr Zuriati Binti Zakaria were invited as the Speakers in Microscale Teaching of Chemistry workshop. There were also 8 agencies included Jabatan Kimia Negeri Perak, Jabatan Perkhidmatan Veterinar Negeri Perak, Jabatan Bomba dan Penyelamat Malaysia Negeri Perak, Jabatan Alam Sekitar Negeri Perak, Bahagian Perkhidmatan Farmasi Negeri Perak, Universiti Tunku Abdul Rahman, Universiti Kuala Lumpur and Universiti Teknologi MARA Tapah attended and exhibited in this event. The occasion was graced and officiated by Timbalan Pengarah Sektor Pembelajaran Jabatan Pendidikan Negeri Perak YBhg. En. Safuan bin Hj Raba'ai (represented Pengarah Jabatan Pendidikan Negeri Perak, YBhg. Dato' Mohamad Fauzi bin Mahson, D.P.M.P., A.M.P.), IKM Vice President Datin Dr Zuriati Binti Zakaria, IKM Perak Branch Chairperson Dr Wong Lai Peng, Pengarah Jabatan Kimia Perak Encik Ramlee bin Ibrahim, Pengarah Jabatan Kimia Negeri Johor Tuan Khairul

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Hadi bin Haji Abd Raof, Principal of schools and officers from PPDKU. In total there were about 500 people attended K2M Perak 2023 during the day.

B6 - IKM TERENGGANU BRANCH

27th Annual General Meeting IKMTB

IKMTB held its 27th Annual General Meeting (AGM) on 25th February 2023 at Raia Hotel & Convention Centre Kuala Terengganu and a total of 19 members have attended. This AGM was officiated by Prof. ChM Dr. Juan Joon Ching followed by ChM Teo Chook Kiong has chaired and briefed the AGM on the activities of the past year and expressed his appreciation to all members and particularly the committee members for their commitment and strong support.

Committee Member for 2023/2024

At the 27th AGM, the following committee members have been duly elected for term 2023/2024:

Chairman : ChM Teo Chook Kiong
Vice Chairman : ChM Noor Dina Ali
Honorary Secretary : ChM Nurzuhrah binti Hassan
Honorary Treasurer : ChM Mohd Shafizi Ab Aziz
Assist. Hon. Secretary : ChM Dr. Salmiah Jamal Mat Rosid
Assist. Hon. Treasurer : ChM Mohammad Sabri Yaacob

Committee Members:

ChM Wan Nur Amalina Wan Mamat, Assoc. Prof. ChM Dr. Mohd Aidil Adhha Abdullah, Assoc. Prof. ChM Dr. Kamarul 'Ain Mustafa, ChM Shamsilawati Mustafar & ChM Emillia Kimlon

Co-opted Member:

ChM Mohd Fajariatudin Mustaffa, ChM Nordiana binti Salleh, ChM Wan Muhammad Rahmat Syazuli bin Wan Harun, ChM Dr. Nurul Najidah Mohamed & ChM Radi Hairil Mat Jusoh @ Ramli

Internal Auditor: ChM Dr. Mazidah bt Mamat & ChM Dr. Asmaliza Abd Ghani@ Yaacob

IKMTB Committee member meeting

A total of 5 committee meetings were held between March 2023 to December 2023, as follows:

| Meeting No. | Date | Venue |
|-------------|------------|---|
| 1/2023 | 25/03/2023 | Cisco Webex (Online) |
| 2/2023 | 13/05/2023 | Paya Bunga Hotel, Kuala Terengganu |
| 3/2023 | 15/07/2023 | Hybrid: - Physical: Interactive Room, Universiti Malaysia Terengganu (UMT) - Online: Cisco Webex |
| 4/2023 | 23/09/2023 | Cisco Webex (Online) |
| 5/2023 | 09/12/2023 | Bilik Mesyuarat, Jabatan Kimia Malaysia (JKM) Terengganu |
| 6/2023 | 20/01/2024 | Bilik Mesyuarat, JKM Terengganu |

Courses organised by IKM Terengganu Branch

MS ISO/IEC 17025:2017 Management System Internal Auditing in collaboration with Institut Teknologi Petroleum PETRONAS (INSTEP)

IKMTB has organized course MS ISO/IEC 17025:2017 Management System Internal Auditing on 8-10 November 2023 at Dorsett Grand Labuan. This program consists of 2 days' classroom training conducted by IKM professional trainer, ChM Pua Hiang and 1-day practical conducted by INSTEP.

Understanding the Elements of MS ISO/IEC 17025:2017 in collaboration with Institut Teknologi Petroleum PETRONAS (INSTEP)

IKMTB has organized course Understanding the Elements of MS ISO/IEC 17025:2017 on 20-22 November 2023 at Le Meridien, Putrajaya. This program consists of 2 days' classroom training conducted by IKM professional trainer, Prof ChM Dr Teh Geok Bee and 1-day practical conducted by INSTEP.

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Method Validation & Verification Procedure and Protocol in Quality System Compliance

IKMTB will be organising Method Validation & Verification Procedure and Protocol in Quality System Compliance in February 2024 at Kuala Terengganu and will be conducted by ChM Dr Malarvili Ramalingam.

Activities

Chemistry Bonding 2.0

Chemistry Bonding 2.0 was successfully conducted on 15th July 2023 at Interactive Room, University Malaysia Terengganu (physical) & Application Cisco-Webex (online). This program was organised jointly by IKM Terengganu Branch and Undergraduate Chemistry Club (KESMIA), University Malaysia Terengganu. A total of 174 undergraduate chemistry students from Universiti Malaysia Terengganu (UMT) and Universiti Sultan Zainal Abidin (UniSZA) participated. This program was officiated by the Vice President Institut Kimia Malaysia (IKM), YBhg. Datin ChM. Dr. Zuriati Zakaria. The main goal of the Chemistry Bonding Programme is to foster students' passion for chemistry while deepening their understanding of the current industrial practices in green and sustainable chemistry. The theme of this program is "Harmony in Chemistry: Building Sustainable Industries for Tomorrow". Three guest speakers shared their knowledge and experiences with the participants namely:

- a) Assistant Prof. ChM Dr. Yvonne Choo Shuen Lann from Xiamen University Malaysia.
Title: "Climate Change: Chemistry Come to the Rescue."
- b) Mr. Ahmad Shafik Othman from Dorf Ketel Chemicals (Malaysia) Sdn. Bhd.
Title: "Safe Chemistry & Safety: From Crude Oil to Plastic Production."
- c) Dr. ChM Kamarul Ain Mustafa from IKM Terengganu.
Title: "E Numbers"

After the talk session, there were QnA Sessions, quiz sessions, and a lucky draw for all participants.

Malam Kimia 2023

ChM Emillia Kimlon and ChM Nordiana binti Salleh represented IKMTB to attend Malam Kimia 2023 at One World Hotel on 1st December 2023. Two (2) Committees from IKMTB ChM Teo Chook Kiong and ChM Mohd Shafizi Ab Aziz had received Fellowship and Citation Award respectively in Malam Kimia & Presentation of IKM Award 2023.

Visit to Terengganu Silica Incorporation

A visit to Terengganu Silica Incorporation will be organized by IKMTB. The program will be held on 18th January 2024. The purpose of this program to get invaluable insights into the practical aspects of silica processing and utilization and also to understand innovative approaches and sustainability practices in the field.

IKMTB Family Day

IKMTB family day will be organized to strengthen relationship among chemists and family members in Terengganu. The program will be held on 3rd February 2024 at Paya Bunga Hotel. Among the activities that will be carried out in the program are tenpin bowling, colouring contest for children and hi-tea.

Chemistry at Home Video Competition

The Chemistry at Home program is a short video competition organized by IKM opens to all high school students and children of IKM members from 22nd October to 31st December 2023. The objective of this program is to provide a platform for member's children appreciate and understand chemistry is important in their daily life starts from home.

The 28th IKMTB Annual General Meeting (AGM) & Iftar with President IKM

The 28th IKMTB Annual General Meeting (AGM) is confirmed to be held on 16th March 2024 at Kuala Terengganu and officiated by President of Institut Kimia Malaysia, Datuk ChM Dr Soon Ting Kueh. All members who attend the 28th AGM will be invited Buka Puasa with President IKM.

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

B7 - IKM PAHANG BRANCH

Committee Members

| | |
|------------------------------|---|
| Chairman | Assistant Prof ChM Dr Awis Sukarni Bin Mohmad Sabere |
| Vice Chairman | Associate Prof ChM Dr Hazrulrizawati Binti Abd Hamid |
| Honorary Secretary | Assistant Prof ChM Ts Dr Saiful 'Arifin Bin Shafiee |
| Honorary Assistant Secretary | ChM Zarida Binti Zahari |
| Honorary Treasurer | ChM Ng Boon Hong |
| Honorary Assistant Treasurer | ChM Wan Ahmad Ashadi Bin Wan Mohd Kamil |
| Committee Members | ChM Fera Shima Binti Abdul Aziz, ChM Mardiah Binti Ismail, ChM Dr Faridah Binti Mohd Marsin, ChM Aznor Bin Yahya, Prof ChM Dr Chong Kwok Feng |
| Internal Auditors | ChM Aw Wai Boon, ChM Suraini Binti Mat Yasin |

Committee Meetings

1st Meeting - 11th March 2023 (face-to-face)
2nd Meeting - 10th May 2023 (online)
3rd Meeting - 12th July 2023 (online)
4th Meeting - 21st September 2023 (online)
5th Meeting - 15th November 2023 (online)
6th meeting - 17th January 2024 (online/face-to-face)
6th AGM - 9th March 2024 (face-to-face)

Activities

Inter-university Chemistry Career Talk 2023

Date: 14 – 15th October 2023

Mode: Hybrid (face-to-face & online)

Collaboration: IKMPB, American Chemical Society (ACS) International Islamic University Malaysia Kuantan branch (IIUMK), ACS Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), Universiti Teknologi MARA (UiTM) Jengka, Pahang Environment, Safety, and Health Association (PESHA).

The Inter-University Chemistry Career Talk 2023 was a successful event organized by the ACS-IIUMK Student Chapter. Here is a summary of the report:

- Date, Time, and Day: The event took place on October 14-15, 2023, from 8:15 a.m. to 5:00 p.m.
- Opening Speakers: The event featured several speakers, including Assoc. Prof. ChM. Dr. Deny Susanti (Advisor of ACS-IIUMK Student Chapter), Assist. Prof. Dr. Awis Sukarni bin Mohmad Sabere (Chairman of Institut Kimia the session), Mr. Ahmad Saifuddin Bin Othman (member of Pahang Environment Safety and Health Association).
- Budget: The budget spent for the event was RM1147.94. IKMPB sponsored RM900 for the honorarium of the speakers.
- No. of Participants: A total of 285 participants joined the program.

The event also featured a forum on various courses, including Food Industry (Dr Nurulhidayah Ahmad Fadzillah), Medicinal Chemistry (ChM Dr Nurasyikin Hamzah), and Occupational Safety and Health (Mr. Ahmad Saifuddin Bin Othman), and included workshops on job search, psychometric and interview (Mr Khaliq Putra), and resume building (Mr Nizam Ahmad) which was held at the Auditorium, Kulliyah of Nursing.

4th IKMPB Symposium 2024

Abstract submission: 30th November 2023

Acceptance of abstract: 15th December 2023 (after extension)

Full paper submission: 10th January 2024

Proposed Date: 27th January 2024

Mode: Online

Participant: Currently submitted abstract 35 participants. 34 abstracts have been accepted.

The acceptance letter was done by 16 November 2023. No sponsor so far. Later, work on the abstract book, symposium preparation, and full paper submission is in progress.

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Public Awareness Talk

Date: 18th October 2023

Mode: (<https://meet.google.com/hnx-vywu-aob>)

Speaker: Ts Dr Hanida binti Abdul Aziz

Title: New and Emerging Risks at Workplace: Small and Medium Enterprises (SMEs) context

Science and Chemistry Exhibition

Institut Kimia Malaysia Pahang Branch (IKMPB) teamed up with KIMIA Malaysia Pahang State gave community service in Science, Technology engineering & mathematics (STEM) exhibitions in schools around Pahang. Our mission is to promote science, especially chemistry, to students and the local community. The exhibition emphasised hands-on learning experience, and developed a sense of curiosity about the world around them, and enhanced their understanding of scientific principles and methodologies. The first STEM exhibition was in SK Bukit Setongkol on 12th July 2023, where 391 primary students engaged in-depth on chemistry in daily lives. The next exhibition was conducted on SK Balok on 27th July 2023, where a whopping 807 students participated in games conducted by volunteers from KIMIA Pahang and IKMPB. The last exhibition was in conjunction with National Science Week Pahang State Level" held on 10 and 11th November 2023, whereby the local community had the opportunities to experience hand-on analysis, games and interactive quizzes. The science exhibition was a resounding success, achieving its objectives of promoting scientific inquiry, providing hands-on learning experiences, and encouraging collaboration among students. The event not only showcased the knowledge of students but also emphasised the school's commitment to nurturing a passion for science and innovation. The positive feedback from participants and visitors underscores the importance of such initiatives in promoting a holistic and practical understanding of science among students.

Chemical Weapon Convention 2023

Date: 20th September 2023

Venue: Library auditorium, UMPSA Gambang

Title: Seranta Pendidikan Konvensyen Senjata Kimia 2023

Collaboration: UMPSA and Ministry of Foreign Affairs

This program aims to raise awareness about the background and implementation of the Chemical Weapons Convention, as well as to provide information on laboratory safety and case studies on the use of prohibited chemicals under this convention. In addition, the organization of this program can also strengthen relationships and cooperation among industry members, academics, researchers, students, and the community in promoting knowledge and the latest developments in the field of chemical weapons.

Malam Kimia IKMPB 2023

6 committee members have been selected to organise the Malam Kimia. The details of the event have yet to be determined. The first meeting will be organised with the committee.

Travel grant

Two travel grants worth RM2,000 each have been given to Asst Prof. ChM. Dr Saiful 'Arifin Shafiee and ChM Dr Wan Zurina Samad to attend conferences by IKM.

VII: ACTIVITIES OF DIVISIONS & COMMITTEES

123. The various Divisions and Committees of IKM organized the following activities during the year.

D1 - DIVISION OF INORGANIC & BIOINORGANIC CHEMISTRY

Members of the Division are:

ChM Dr. Yang Farina Abdul Aziz (IKM) Chairperson
ChM Dr. Nurul Huda Abd. Karim (UKM) Co-Chairperson
ChM Dr. Nur Nadia Dzulkifli (UiTM) Secretary
Assoc Prof. ChM Dr. New Siu Yee (UNM)
Prof. ChM Dr. Phang Sook Wai (TARUC)
ChM Dr. Tan Siew San (TARUC)
ChM Dr. Wan Nur Aini (UKM)

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Assoc. Prof. ChM Dr. Khoo Teng Jin (UNM)
Assoc. Prof. ChM Dr. Collin G. Joseph (UMS)
ChM Dr. Shahrul Nizam Ahmad (UiTM)
Assoc Prof ChM Dr. Nur Hasyareeda Hassan (UKM)
Assoc Prof ChM Dr. Siti Fairus Mohd Yusoff (UKM)
Assoc Prof ChM Dr. Tan Kong Wai (UM)
ChM Dr. Mohamad Azuwa Mohamed (UKM)

Activities

Inorganic & Bioinorganic Chemistry Webinar 1/2023

25th August 2023 (10-11 am) Online (Zoom platform) 31 participants

Speaker: Assoc. Prof. ChM Dr. Tan Kong Wai (Universiti Malaya)

Title: Rhodamine based chemosensors for rapid and selective detections of metal ions

Moderator: Prof ChM Dr Phang Sook Wai (TARUMT)

Inorganic & Bioinorganic Chemistry Webinar 2/2023

6th October 2023 Online (Zoom platform) 70 Participants

Speaker: ChM Dr. Mohamad Azuwa (Universiti Kebangsaan Malaysia)

Title: Inorganic Modulation of g-C₃N₄ Photocatalysts for Enhanced Solar Energy Conversion

Moderator: ChM. Dr. Tan Siew San

D2 - DIVISION OF ANALYTICAL CHEMISTRY

The IKM Division of Analytical Chemistry Committee for 2023/2024 is composed of nine (9) members:

| | | |
|-------------------------------|---------------|--|
| ChM Dr. Malarvili Ramalingam | (Chairperson) | JKM |
| ChM Dr Chin Teen Teen | | ALS Technichem (M) Sdn Bhd |
| ChM Dr. Nurfaizah Abu Tahrim | | UKM |
| ChM Dr. Tan Ming Yueh | | TAR-UMT |
| ChM Dr Low May Lee | | UCSI University |
| ChM Dr. Nurul Asikin Bt Mijan | | UKM |
| ChM Nabila Ghazali | | Pengurusan Air Selangor Sdn. Bhd |
| ChM Chan Pooi Ling | | The Valspar (Malaysia) Corporation Sdn. Bhd. |
| ChM Mrs. Jamilah Karim | (Secretary) | NAHRIM |

Activities

Science & Technology Week: Chemical Traffic Light

- Venue: Chong Hwa Independent High School, Kuala Lumpur
- Date: 10 June 2023
- Time: 12:00 – 1:00 pm
- Participant: Secondary Students of Chong Hwa Independent High School, Kuala Lumpur
- Number of participants: 25
- Scope: Two experiments (Traffic Light Experiment)
- Led by: ChM. Dr. Tan Ming Yueh, Dr. Yue Chen Son, DR. Tan Siew San (TAR UMT)

Webinar: Knowledge Sharing Session as Chemistry Expert

- Venue: Google meet (online)
- Date: 25 July 2023
- Time: 10-10.20 am
- Participant: Maktab Rendah Sains Mara (MRSM) school Chemistry teachers
- Number of participants: 42
- Presenter: ChM. Dr. Malarvili Ramalingam

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Webinar: Unveiling the wonders of Chemistry Virtual for Minggu Sains Negara 2023

- Venue: Minggu sains negara 2023 digital platform (online)
- Date: 03 October 2023
- Time: 3.00-3.30 pm
- Participant: Students & Public
- Number of participants: 30
- Title: Water Treatment Process
- Presenter: ChM Nabilah Ghazali (Pengurusan Airlangor, WQD)

16th Asian Conference On Analytical Sciences (ASIANALYSIS) XVI 2023

- Venue: Kuala Lumpur Convention Centre
- Date: 9th - 12th October 2023
- Time: 8.00-6.00 pm
- Participant: Malaysia, Bangladesh, China, Czech Republic, Germany, Hong Kong, India, Italy, Japan, Jordan, Netherlands, Pakistan, Poland, Portugal, Russia, Singapore, South Korea, Switzerland, Taiwan, Thailand, United Arab Emirates, Vietnam
- Number of participants: 311
- Themes: ASIANALYSIS Scientific Sessions, Symposium on Forensic Science, Symposium on Halal Testing and Authenticity, 19th Asia-Pacific International Symposium on Microscale Separations and Analysis
- Presenter: 5 Plenary Speakers, 24 Keynote Speakers, 94 Oral Presentation and 52 Poster Presentation.

Seminar Agilent's Recipe for Success: Advancements in Analytical Chemistry, Safeguarding Environmental and Food Safety

- Venue: Le Meridian Kuala Lumpur
- Date: 5th March 2024
- Time: 9.00 – 4.30 pm
- Participant: government employees (eg. JKM, MKA, SIRIM, DOA, LGM), commercial testing labs, food industries and universities
- Number of participants: 110
- Topics:
 - Impact of Environmental Pollution on Food Safety and Health Risks in Malaysia
 - Challenges and Trends in Chemical Food Contaminants and Residues Analysis
 - Technical Sharing on QuEChERS Method for Pesticides Determination
- Presenters: ChM Dr. Malarvili Ramalingam; ChM Azuha bt Ishak; ChM Low Ying Ying (JKM)

D3 - DIVISION OF ORGANIC & BIOMOLECULAR CHEMISTRY

Members of the Division are:

| | | |
|--|------------------|-------|
| Datin ChM Dr Zuriati Zakaria | (Chairperson) | IKM |
| Assoc Prof ChM Dr Fatimah Salim | (Co-Chairperson) | UiTM |
| Em. Prof Dato ChM Dr Laily bin Din | | ASM |
| Prof Dr Mukram Mackeen | | UKM |
| ChM Dr Nor Azah binti Mohd Ali | | IKM |
| Assoc Prof ChM Dr Cheng Sit Foon | | UM |
| ChM Dr Rozida Mohd Khalid | | UKM |
| ChM Dr Mohamad Nurul Azmi bin Mohamad Taib | | USM |
| ChM Dr Thiruvethan A/L Karunakaran | | USM |
| ChM Dr Mazlin Mohideen | | UniKL |
| ChM Dr Nurunajah Ab Ghani | | UiTM |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Meetings

The Committee had two online meetings on 3rd May 2023 and 21st July 2023. The committee is also active by having several informal discussions on WhatsApp group to follow up with the progress of activities planned throughout the year.

Activities

Strategic partner in International Conference on Natural Products 2023 (ICNP2023)

ICNP2023 was held at Hotel Aloft, KL Sentral from 11 – 13 September 2023. Seven DOBC members joined ICNP2023 including Em. Prof Dato ChM Dr Laily bin Din, Prof Dr Mukram Mackeen, ChM Dr Nor Azah binti Mohd Ali, ChM Dr Mohamad Nurul Azmi bin Mohamad Taib, ChM Dr Thiruvethan A/L Karunakaran, ChM Dr Nurunajah Ab Ghani and Assoc Prof ChM Dr Fatimah Salim. DOBC members have been given privilege to be the chairperson of selected parallel sessions during the conference. The strategic partnership strategy had increased IKM visibility and elevate IKM profile in the mechanics of natural products' related research as the organizer which was Atta-ur-Rahman Institute for Natural Product Discovery (AuRIns) had offered advertisement platform for IKM's upcoming events. The committee also setup an exhibition booth to promote IKM to the young generation and IUPAC2025.

Webinars

One hybrid seminar and two webinars covering the division scope had been organized within the year. The webinar organization was coordinated by ChM Dr Rozida Mohd Khalid.

DOBC Webinar series 1/2023:

Speaker: Prof Natsuhisa Oka, Department of Chemistry and Biomolecular Sciences

Faculty of Engineering, Gifu University, Japan

Title: Stereocontrolled synthesis of P-chiral oligonucleotide analogs for therapeutic applications"

Date and Time: 10th August 2023 (Thursday), 10.00 – 11.30 am

Platform: IKM Zoom account

This session which was coordinated by ChM Dr Rozida Mohd Khalid and ChM Dr Thiruvethan A/L Karunakaran, managed to attract more than 100 participants.

DOBC Seminar series 2/2023:

Speaker: Prof. Dr. Lee Yook Heng,

Department of Chemical Sciences, Faculty of Science & Technology (FST), Universiti Kebangsaan Malaysia (UKM)

Title: Biosensor for Molecular Identification of Biological Species: Vision or Illusion?

Date and Time: 30th October 2023 (Monday), 9.30 – 10.30 am

Venue: Bilik Aktiv, FST, UKM & FST Webex

This seminar was co-organized with the Department of Chemical Sciences, FST, UKM, and coordinated by Prof Dr Mukram Mackeen and ChM Dr Rozida Mohd Khalid. The seminar managed to attract 30 physical and 100 online participants. Prof Lee thanks IKM for providing financial support for the food prepared for the participants.

DOBC Webinar series 3/2023:

Speaker: Dr. Yvan Six, Deputy Director

Laboratoire de Synthèse Organique (LSO), Ecole Polytechnique, France

Title: Haloaminocyclopropanes as Precursors of Natural Product-like Polycyclic Compounds

Date and Time: 14th November 2023 (Tuesday), 3.30 – 5.30 pm

Moderator: ChM Dr Mohamad Nurul Azmi bin Mohamad Taib

Platform: USM Webex

This session was coordinated by ChM Dr Mohamad Nurul Azmi bin Mohamad Taib and managed to attract 50 participants.

Collaborative Teaching on Organic Chemistry with Centre of Foundation Studies, UiTM Dengkil

Member: ChM. Dr. Fatimah Salim

Title: Organic Chemistry, Alcohols: Applications & Future Direction

Date & Time: 19/05/2023 (Friday), 4.00 – 5.30 pm

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Platform: Microsoft Teams

Total participants: 200 pax (Science & Engineering Students, and Chemistry Department lecturers)

Content: Introduction on organic chemistry, fundamental reactions of alcohols, alcohol's past, present and future applications.

Observation & Feedback: Engaging and Interactive session with lots of questions from the students.

Outreach Program with SMK Bandar Baru Sungai Buloh

Invitation by Duta Guru STEM, Cikgu Nashar Nordienah Hussin in conjunction with Minggu STEM SEBARU to ChM Dr Fatimah Salim titled 'Cherish Chemistry'. The objectives of the program were to nurture and instill interest in pursuing study in chemistry and STEM related fields. The content of the sharing session was about chemistry, chemicals & chemists, careers for chemists, Dr Fatimah's experiences as chemistry's lecturer, researcher and chemist, experiments demonstration, and hands on activities (purple cabbage's extract as pH indicator, vinegar + baking soda capturing gases, chromatography). The detail of the program is as follows.

Date & Time: 14/07/2023 (Friday), 10.00 am – 12.30 pm

Venue: Makmal Kimia SEBARU

Total participants: 50 pax (forms 4 & 5 students, and 3 chemistry teachers)

Overall, the students now can see chemistry in real life. Engaging and interactive session with lots of questions from the students. Teachers showing concern on the chemistry exam questions.

Outreach Program with Al-fateh Integration Secondary School, Setia Alam, Selangor

Seminar talk by Assoc. Prof. ChM. Dr Fatimah Salim in conjunction with Carnival STEM & Young STEMist Innovation 2023 organized by Al-fateh Integration Secondary School.

Title: Chemistry Is Fun

Date: 19 October 2023

Venue: Al-fateh Integration Secondary School, Setia Alam, Selangor

Participants: Form 1, 2, 3 & 4 students (40 pax) and 7 teachers

The session was very informative and inspiring as Prof. Dr. Fatimah gave the students insights into the introduction of chemistry. There were many exciting questions from the students to know more about the chemistry and motivate students to study science and technology, especially the chemistry.

Involvement with Minggu Sains Negara (MSN 2023)

Assoc Prof ChM Dr Fatimah Salim had given a talk titled 'Chemicals in your food' on 17 October 2023 at 10.30 – 1.00 am in one of the slots given to IKM by MSN2023. The talk was moderated by Dato' ChM Dr Yew Chong Hooi.

Members' Achievements

- Datin ChM Dr Zuriati Zakaria has been appointed as the Fellow of Federation of Asian Chemical Societies (FACS) at the opening Ceremony of Asian Chemical Congress.
- Datin ChM Dr Zuriati Zakaria has been appointed as the Titular member for Division III Organic and Biomolecular Chemistry IUPAC (2024-2025)
- Assoc Prof ChM Dr Fatimah Salim has been awarded the 'MNPS Young Researcher Award 2022 during MNPS Night at Aloft, KL Sentral on 12 Sept 2023.
- Assoc Prof ChM Dr Fatimah Salim has been promoted to Associate Professor on 15 September 2023.
- Assoc Prof ChM Dr Fatimah Salim has been elected as the Chairperson of Research Synergy WG during Young Scientists Network Academy of Sciences Malaysia (YSN-ASM) 11th Colloquium 27-29 October 2023.
- Assoc Prof ChM Dr Cheng Sit Foon has been awarded the Fellow of IKM at Malam Kimia 2023 on 1st December 2023.

D4 - DIVISION OF PHYSICAL & THEORETICAL CHEMISTRY

The Division of Physical and Theoretical Chemistry Committee for 2023/2024 comprises of the following:

| | |
|--|--------------|
| ChM Dr Yvonne Choo Shuen Lann (Chairman) | IKM and XMUM |
| Assoc. Prof. ChM Dr Norizah Abdul Rahman (Secretary) | UPM |
| Prof. ChM Dr Mansor Ahmad | UPM |
| Prof. ChM Dr Mohd Basyaruddin Abdul Rahman | UPM |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | |
|---|---------|
| Prof. Dr Sharifuddin Md Zain | UM |
| Assoc. Prof. ChM Dr Pushpamalar Janarthanan | MonashU |
| ChM Dr Teh Lee Peng | UKM |
| Dr Noraini Abd Ghani | UTP |
| Dr Rohul Hayat Adnan | UTM |
| Dr Muhammad Faisal bin Khyasudeen | UM |

The Committee held four meetings in 2023/2024 on Microsoft Teams as shown below:

| | |
|-------------------------|------------------|
| 1 st Meeting | 29 March 2023 |
| 2 nd Meeting | 12 July 2023 |
| 3 rd Meeting | 6 September 2023 |
| 4 th Meeting | 23 November 2023 |

Activities

UKM-DPTC Webinar: Adsorption and Catalytic Conversion of CO₂ over Porous Materials

Date: 19 September 2023
Platform: Google Meet
Speaker: Associate Professor Dr. Yuni K. Krisnandi
Faculty of Mathematics and Natural Science, Universitas Indonesia
PIC: ChM Dr Teh Lee Peng

UPM-DPTC Webinar

Date: 20 February 2024
Platform: Online
Speaker: TBC
PIC: Assoc. Prof. ChM Dr Norizah Abdul Rahman

UTP-DPTC Webinar: Eco-Warriors Unleashed: Saving Mother Earth with CCS/CCUS

Date: February 2024 (TBC)
Platform: Online
Speaker: Dr Belladonna Troxylon Maulianda, *Executive Director, Indonesia CCS Center*
Prof Dr Cecelia Devi Wilfred, *Fundamental & Applied Sciences Department, Universiti Teknologi Petronas*
PIC: Dr Noraini Abd Ghani

UM-DPTC: Makerspace Webinar for Teachers

Date: March 2024 (TBC)
Platform: Online
PIC: Prof. Dr Sharifuddin Md Zain, ChM Dr Yvonne Choo Shuen Lann

D5 - DIVISION OF POLYMERS & MATERIALS CHEMISTRY

Division Members

| | |
|---|----------------------|
| Prof ChM Dr Rusli Daik | (Chairperson) |
| ChM Dr Eng Aik Hwee | (Vice Chairperson 1) |
| ChM Dr Lee Siang Yin | (Vice Chairperson 2) |
| Prof Emeritus Dato' ChM Dr Wan Md Zin Wan Yunus | |
| Prof ChM Dr Chia Chin Hua (Secretary) | |
| Prof ChM Dr Phang Sook Wai | |
| Prof ChM Dr Gan Seng Neon | |
| Academician ChM Dr Ho Chee Cheong | |
| ChM Dr Mansor Ahmad | |
| ChM Dr Faridah Hanim Ab Hanan | |
| ChM Dr Nor Yuziah Mohd Yunus | |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

ChM Lau Sook Ming
ChM Dr Ng Thian Hong
ChM Dr Woo Choon Kong
ChM Dr Desmond Ang Tech Chye
ChM Tan Hee Peng
Mr Lionel Victor Anak Kemin

Activities

Signing of Memorandum of Agreement (Moa) - IKM/RSC – Synthomer Award in Polymer Science.

An agreement was signed by Datuk ChM Dr Soon Ting Kueh, the President of IKM and Mr Rob Tupker, the President of Health & Protection and Performance Materials, Synthomer. The purpose of this agreement is to formalize the sponsorship arrangement between Synthomer Sdn Bhd and Institut Kimia Malaysia (IKM) regarding the IKM/RSC - Synthomer Award in Polymer Science, which will be given yearly to winners.

Chemistry and Technology Information Series (CATIS) 2023

The Chemistry and Technology Information Series (CATIS) 2023 seminar was held successfully on July 26th, 2023 via webinar. The 1-hour seminar featured Prof. Dr. Jitladda Sakdapipanich from Mahidol University, Thailand as the invited speaker. Her talk was entitled "Deciphering the Discoloration in the Production Process of Natural Rubber". A total of 58 participants attended the seminar. The participants comprised chemists and engineers from various companies in the chemical industry, academics from local universities, as well as IKM members. During her informative and engaging lecture, Prof. Jitladda shared extensive knowledge and insights on the factors influencing the yellow index (YI) in natural rubber (NR) production, including discoloration reduction techniques. Overall, the talk discusses methods to reduce the YI of NR in order to meet rising demand for light-colored NR products by diminishing non-rubber content like lipids and proteins. The Q&A session was vibrant with active participation, reflective of great interest in the topic presented. Overall, the seminar achieved its objective to enable valuable sharing and transfer of knowledge between academics and practitioners through the CATIS platform.

Proper Use of Laboratory Notebook for Intellectual Properties Protection

The seminar "Proper Use of Laboratory Notebook for Intellectual Properties Protection" was held by the division on September 26th, 2023. There were around 50 participants comprising industry members, academics, researchers, and students. The speaker was Dr. Eng Aik Hwee, who holds a PhD in Functional Material Engineering and has over 30 years of R&D experience. His talk focused on best practices in maintaining laboratory notebooks to protect intellectual property and validate research claims. Dr. Eng emphasized the importance of detailed laboratory notebook documentation that enables work replication and defends against claims of research fraud. He provided guidelines on implementing robust notebook management systems within R&D departments. Specific recommendations were given on recording full data details on techniques, parameters, observations to support patent applications, and protect intellectual property. Dr. Eng drew on over 30 years of experience in developing laboratory SOPs, conducting internal notebook reviews for patents, and serving as an expert witness providing evidentiary support during patent litigation.

Industry Visit – Ceramtec Innovation Ceramic Engineering (M) Sdn Bhd

The division has successfully organized a technical visit to CeramTec Innovative Ceramic Engineering (M) Sdn Bhd on September 27th, 2023. CeramTec is a leading global manufacturer of ceramic dipping formers, located in Senawang, Negeri Sembilan. Members of DPMC comprised academicians, researchers, and industry representatives joined the visit that aimed to provide an overview of CeramTec's advanced operations and technologies for producing high quality dipping formers. CeramTec specializes in proprietary ceramic materials and automated processes to ensure consistent quality and tight tolerances of their dipping formers. The visit provided new and valuable knowledge on dipping former manufacturing for the group. The visit concluded positively with an appreciation plaque presented to CeramTec by the IKM Division Chairman for hosting the insightful technical visit.

IKM/RSC – Synthomer Award in Polymer Science 2023

The IKM/RSC - Synthomer Award in Polymer Science is an annual award sponsored by Synthomer Sdn Bhd that recognizes the best PhD graduate in polymer science from a Malaysian university. For the 2023 award, there were

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

5 nominees considered. The winner was Dr. Eleen Dayana Binti Mohamed Isa from Universiti Teknologi Malaysia, for her thesis "Pullulan Based Zinc Oxide and Polyaniline Nanocomposites for Photodegradation of Rhodamine B".

IKM Research Prize in Polymer and Materials Science 2023

The annual Prizes are intended to reward six (6) best PhD candidates in the field of Polymer and Materials Science at Malaysian Institution of Higher Learning. The recipients were judged according to their involvement in academic and social responsibility roles. The awards look at the academic achievements as well as the community interaction displayed by candidate. The nominees have to be enrolled in PhD programme between 6 – 36 months starting from their enrolment date until 30th August 2023. Winners for 2023 were Dania Adila Binti Ahmad Ruzaidi (UiTM), Junaid Mohammad Khan (USM), Mohd Faridzuan Bin Majid (UTP), Nur Fattima' Al-Zahara' Binti Tuan Mohamood (UPM), Chia Min Rui (UKM), Mhonishya Krishnamoorthy (UKM).

Seminar On "Innovation in Chemistry: Insights from IKM/RSC Synthomer Awardees"

The Division recently organized a webinar titled "Innovation in Chemistry: Insights from IKM/RSC Synthomer Awardees" on January 5th, 2024, Friday, 9 am - 11 am via Zoom. The online event was held to commemorate the innovation achievements of past IKM and RSC Synthomer award recipients. The webinar garnered enthusiastic interest with 47 chemistry professionals, academics and students participating. Five speakers, all previous awardees, presented their innovative research and insights. The presentations were well-received, generating a vibrant discussion on pushing boundaries in polymer and materials chemistry.

D6 - DIVISION OF GREEN & SUSTAINABLE CHEMISTRY

Division Members

| | | |
|--|--|-------------------|
| Prof. ChM Dr. Juan Joon Ching | – Chairman | Universiti Malaya |
| ChM Dr. Lee Kian Mun | – Secretary | Universiti Malaya |
| Prof. ChM Dr. Phang Sook Wai | Tunku Abdul Rahman University of Management and Technology | |
| Assoc. Prof. ChM. Dr. Lee Choy Sin | International Medical University | |
| Assoc. Prof. ChM Dr. Lee Hwei Voon | Universiti Malaya | |
| Assoc. Prof. ChM Dr. Nurul Izzaty Hassan | Universiti Kebangsaan Malaysia | |
| Assoc. Prof. ChM Dr. Tan Kar Ban | Universiti Putra Malaysia | |
| Assoc. Prof. ChM. Dr. Zainiharyati Mohd Zain | Universiti Teknologi MARA | |
| ChM Dr. Chee Chin Fei | Universiti Malaya | |
| ChM Dr. Chin Swee Yee | International Medical University | |
| ChM Dr. Irene Ling | Monash University | |
| ChM Dr. Lee Ching Shya | Universiti Malaya | |
| ChM Dr. Muntaz Abu Bakar | Universiti Kebangsaan Malaysia | |
| ChM Dr. Pushpamalar Janarthanan | Monash University Malaysia | |

Meetings

1st meeting was held on 21st September 2023 at IKM main branch and virtually through Zoom.

2nd meeting was held on 9th January 2024 at IKM main branch and virtually through Zoom.

Activities

Field trip to Sime Darby's Oil Palm Plantation at West Estate, Carey Island, Selangor

Date: 21st November 2023

Time: 10.00 – 3.00 pm

An educational and technical visit to Sime Darby's Oil Palm Plantation was organized. The theme of this field trip is "Know Your Palm Oil (KYPO)". The purpose of the KYPO visit is to focus on education, awareness, understanding, and collaboration on various aspects of the palm oil industry.

Seminar / Webinar

The Challenges Towards Sustainability Practices in SME: A Journey Towards Zero Waste Generation

Date: 24th January 2024

Time: 10.30 – 12.00 pm

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Venue: Anggerik Room, Institute for Advanced Studies (IAS), Universiti Malaya

Speaker: Dr Muhammad Zamir Othman

Hydrogen Production from Biomass in a Polymer Exchange Membrane Electrolyser

Date: 6th February 2024

Time: 10.30 – 12.00 pm

Venue: Anggerik Room, Institute for Advanced Studies (IAS), Universiti Malaya

Speaker: AP Dr Zainiharyati Mohd Zain

A series of webinars were held by experts in the field related to green & sustainable chemistry. The experts shared their research experience and the very recent trend in the relevant discipline to stimulate the creativity and innovation of the younger generation. The targeted audiences are postgraduate and undergraduate students, researchers, and young lecturers.

D7 - DIVISION OF FOOD SCIENCE AND NUTRITION

Division Members

| | | |
|--------------------------------------|------------------|--|
| Datin ChM Maimonah Sulaiman | (Chairperson) | – Former Director Department of Chemistry Malaysia |
| ChM Dr Li Hui Ling | (Co-Chairperson) | – Department of Chemistry Malaysia |
| ChM Dr Nor Shifa Shuib | | – Department of Chemistry Malaysia (Penang) |
| Pn Megawati Suzari | | – Fonterra Brand (M) Sdn Bhd |
| ChM Camilla Chua | | – Bunge Lodgers Croklaan |
| AP. Dr. Hasnah Haron | | – Universiti Kebangsaan Malaysia |
| Dr. Chong Pei Nee | | – International Medical University |
| ChM Mohamad Hanif Bin Omar | | – Department of Chemistry Malaysia |
| ChM Azalina binti Othman @ Ab Rahman | | – Department of Chemistry Malaysia |
| Dr. Adi bin Md Sikin | | – Universiti Teknologi MARA |
| AP ChM Dr. Tan Siow Ping | | – Tunku Abdul Rahman University of Management and Technology |

Activities

May 8 2023 - Committee meeting

- Discussing activities for 2023/24
- Further discussions were via Whatsapp group

July 4 2023 - Visit to The Origin Foods SDN Bhd

- 20 participants from various organizations including International Medical University (IMU), KIMIA Malaysia and DFSN committee members were involved
- It was a very fruitful visit that benefited all parties in the research area and collaboration in testing services.

October 3 2023 - Minggu Sains Negara

- Talk by Dr. Chong Pei Nee from IMU (DFSN Committee member) on "Discover the Wonder of Nutritional Science"

July 15-17th, 2024 - Asia Pacific Food Analysis Network (APFAN)

- DFSN is involved in the organizing of the APFAN PT4 workshop entitled "International Workshop in Advancing Food Analysis, Safety and Testing Standards for Global Comparability"

D8 - DIVISION OF FORENSIC CHEMISTRY

Division Members for 2023/2024

| | |
|---|---------------|
| DCP(R) Assoc. Prof. Dato' ChM Dr Yew Chong Hooi | (Chairperson) |
| Datin ChM Maimonah Sulaiman | (Co-Chair) |

One of the objectives of this Section is to create awareness to the members and public on the role of Forensic Chemistry in our daily life. A series of talks to schools, colleges and universities on the role of Forensic Science

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

particularly, Forensic Chemistry in criminal investigations were held. Forensic Chemistry Division (DFC) also assisted Forensic Science Society Malaysia (FSSM) in organizing 16th ASIALYSIS 2023 in Kuala Lumpur Convention Centre from 9-12 October 2023. The Chairman of Forensic Chemistry Division (DFC) also gave an online talk in conjunction with Minggu Sains Nagara on 24 October 2023 entitled "The Role of Forensic Chemistry in Criminal Investigation."

LABORATORY & QUALITY ASSURANCE COMMITTEE C1 - LABORATORY EXCELLENCE AWARD COMMITTEE

Committee Members

ChM Dr Li Hui Ling (Chairperson)
Dato' ChM Dr Hj Mas Rosemal Hakim Mas Haris (Co-Chairperson)
ChM Chang Hon Fong
ChM Dr Yang Farina Abd Aziz
Assoc Prof Dato' ChM Dr Yew Chong Hooi
ChM Dr Tumirah Khadiran
ChM Pua Hiang
ChM Teo Chee Hau
ChM Anita Jefrydin

The members held 2 meetings on 4 April and 5 October 2023 to review documents pertaining to the Award; to consider applications from laboratories and appointment of assessors, and to evaluate the assessment reports submitted by assessors. A total of 71 laboratories throughout Malaysia received the 2023 IKM Laboratory Excellence Awards. The list of awardees is given in Appendix B.

C2 - CHEMICAL & OCCUPATIONAL SAFETY AND HEALTH COMMITTEE

The following are members of the IKM Chemical & Occupational Safety & Health Committee for the 2023/2024 term:

| | | |
|--|---------------|-------------------------|
| ChM Marhayani binti Md Saad | (Chairperson) | KIMIA Malaysia |
| <i>Members</i> | | |
| ChM Dr Mansor bin Ahmad | | Institut Kimia Malaysia |
| ChM Nor Aidora binti Saedon | | KIMIA Malaysia |
| ChM Zaraiha binti Awang | | KIMIA Malaysia |
| ChM Wan Rahimah binti Wan Ahmad | | KIMIA Malaysia |
| ChM Saiful Fazamil bin Mohd Ali | | KIMIA Malaysia |
| ChM Dr Vanitha a/p Kunalan | | KIMIA Malaysia |
| Snr AP ChM Dr Kathiresan V. Sathasivam | | AIMST University |
| ChM Mohd Norhafsam bin Maghpor | | NIOSH |
| Ts ChM Aidil Fahmi bin Shadan | | KIMIA Malaysia |
| ChM Muhammad Fazli bin Mad Saad | | KIMIA Malaysia |
| ChM Muhammad Haniff bin M. Zahari | | KIMIA Malaysia |
| <i>Secretariat</i> | | |
| Pn. Siti Maziah binti Mohamed Yunus | | Institut Kimia Malaysia |

A total of three (3) Committee Meetings (on 01/06/2023, 07/07/2023, and 25/10/2023) were held in 2023. The meetings were conducted via zoom platform to discuss the activities for 2023/2024.

Activities

Webinar on Chemical Storage and Handling

The "Chemical Storage and Handling Webinar" was successfully held on 08 August 2023. The webinar was jointly organized by the Chemical & Occupational Safety & Health Committee, Malaysian Institute of Chemistry (IKM) and the Occupational Safety and Health (OSH) Section, Department of Chemistry Malaysia (KIMIA Malaysia). The webinar was conducted via zoom platform and also streamed live via the IKM Facebook page. A total of 652 participants from various institutions of higher learning, private companies as well as government agencies

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

participated in the webinar. The webinar began with a welcoming speech and opening remarks by the IKM President, Datuk ChM Dr Soon Ting Kueh. The first segment comprised of a talk entitled “Acts and Regulations in Regards to Chemical Management” was presented by Ts Ir Hazlina binti Yon, Director of the Chemical Management Division, Department of Occupational Safety and Health (DOSH), Ministry of Human Resources Malaysia. The talk which covered the requirements and latest amendments to the Occupational Safety and Health Act and Regulations was very informative and gained a lot of responses and questions from the participants during the Q&A Session. The second segment of the webinar continued with a sharing session on “Chemical Handling, Storage, and Waste Management in KIMIA Malaysia” by Ts ChM Aidil Fahmi bin Shadan, Head of Occupational Safety and Health Section, Department of Chemistry Malaysia. Ts ChM Aidil Fahmi shared the experience and the practice in KIMIA Malaysia in regards to Chemical Storage and Handling. The objectives of the webinar which were to update participants on the latest amendments to acts and regulations related to OSH and explore effective as well as practical chemical storage and handling methods have been achieved with great success, based on the feedback from participants. The webinar was moderated by Prof ChM Dr Mansor Ahmad from IKM.

Webinar on Ergonomics, Mental Health and Stress in the Workplace

The “Webinar on Ergonomics, Mental Health and Stress in the Workplace” was conducted successfully on 01 November 2023. The webinar was also jointly organized by the the Chemical & Occupational Safety & Health Committee, Malaysian Institute of Chemistry (IKM) and the Occupational Safety and Health (OSH) Section, Department of Chemistry Malaysia (KIMIA Malaysia). This webinar was held *via* zoom platform and also streamed live *via* the IKM Facebook page. Ninety-four (94) participants from various government agencies, institutions of higher learning as well as private companies have joined the webinar. The webinar was officiated by the IKM Vice President, Datin ChM Dr Zuriati binti Zakaria who gave her welcoming speech and opening remarks. The speaker for this webinar was Dr. Muhammad Aiman bin Zainal, a registered Occupational Health Doctor attached to the National Blood Centre. The first segment involved a talk entitled “Ergonomics in the Workplace” which covered the importance of ergonomics in our day-to-day life at the workplace, be it in the laboratory setting as well as in an office setting. The second segment of the webinar was on “Mental Health and Stress Management in the Workplace”. This segment elaborated on sources of stress at the workplace and how to manage them. The objectives of the webinar which were to create awareness on the importance of ergonomics and how to manage mental health and stress at the workplace have been attained successfully, based on the comments from participants. The webinar was moderated by Ts ChM Aidil Fahmi bin Shadan from KIMIA Malaysia.

Publication of Occupational Safety and Health Related Article

An article related to Occupational Safety and Health entitled “The Importance of Efficient Occupational Safety and Health Management”, written by Assoc Prof Ts. ChM Dr. Darfizzi Derawi has been published in BERITA IKM, September 2023 (Issue No. 152). Assoc Prof Ts. ChM Dr. Darfizzi Derawi is the Deputy Director of the Department of Chemical Sciences, Faculty of Science and Technology, Universiti Kebangsaan Malaysia (UKM).

C3 - MALAYSIAN YOUNG CHEMISTS NETWORK

Committee Members

| | |
|--|--|
| Prof. ChM Dr. Juan Joon Ching | Universiti Malaya (UM) / IKM [Chairman] |
| Assoc. Prof. ChM Dr. Yong Soon Kong | Universiti Teknologi MARA (UiTM) [Vice Chairman] |
| ChM Ms. Lee Shoek Yin | Chemhill Sdn Bhd [Secretary] |
| ChM Mr. Chua Yao Jun, Jordan | Bio Synergy Laboratories [Assistant Secretary] |
| ChM Dr. Mohd Sufri Mastuli | Universiti Teknologi MARA (UiTM) [Treasurer] |
| ChM Dr. Chin Swee Yee | International Medical University (IMU) [Assistant Treasurer] |
| Assoc. Prof. ChM Dr. Fatimah Salim | Universiti Teknologi MARA (UiTM) [Head of International Liaison] |
| Asst. Prof. ChM Dr. Yvonne Choo Shuen Lann | Xiamen University Malaysia / IKM [Media Ambassador] |

Meetings

- 1st meeting was held on 17th February 2023 virtually via zoom
- 2nd meeting was held on 4th April 2023 virtually via zoom
- 3rd meeting was held on 18th August 2023 virtually via zoom

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

- 4th meeting was held on 13th October 2023 virtually via zoom
- 5th meeting was held on 7th December 2023 virtually via zoom

The Malaysian Young Chemists Network (MYCN) serves as a platform for a group of young chemists in Malaysia to promote and contribute towards chemistry and professionalism in Chemistry. Since 2018, MYCN has organized and established several activities for young chemists toward the need of chemistry and sustainable development goal (SDG) 2030. Currently, the total number of MYCN member is 166 members from various institutions and companies.

Activities

Karnival Kemahiran dan Kerjaya Kimia Malaysia (K4M)

Date: 18th October 2023 (Wednesday)

Time: 8.30 am -5.30 pm

Venue: Auditorium, Perdanasiswa Complex, Universiti Malaya

The Malaysian Young Chemists Network (MYCN) and Institut Kimia Malaysia (IKM) have organized Karnival Kemahiran dan Kerjaya Kimia Malaysia (K4M) 2023. This year, K4M was hosted by Universiti Malaya and jointly organized with the Universiti Malaya Graduate Employability and Career Centre, the American Chemical Society (ACS) Malaysia Chapter, and the Chemistry Department, Universiti Malaya. A total of nine committee members collaborated diligently to ensure the success of K4M 2023. The single-day event occurred on October 18, 2023 (Wednesday) at the Auditorium, Perdanasiswa Complex, Universiti Malaya. Assoc Prof Dr Khor Sook Mei, Chair of K4M 2023, has led this event to great success. The physical event has garnered the participation of more than 114 individuals from diverse higher education institutions in Malaysia, including UM, UPM, UCSI, USIM, and UNIMAS. A total of twelve exhibitors representing various industrial businesses, organizations, and departments had their booths set up at the K4M 2023 event on the same day. The K4M 2023 event received partial funding from the ACS Malaysia Chapter, which sponsored souvenirs for all the invited speakers. Upon the conclusion of the K4M 2023 event, participants were required to scan the QR code to confirm their attendance and complete the feedback form to obtain their attendance certification. Given the highly favourable response from students, it is necessary for MYCN-IKM to continuously hold this career fair as an annual event due to its significant demand and impact.

Outstanding Young Chemists Award 2023 (OYCA)

Date: 1st December 2023 (Friday)

Time: 7.00 pm -11.00 pm

Venue: One World Hotel, Bandar Utama, 47800 Petaling Jaya, Selangor

This is the third event for IKM to present the IKM Outstanding Young Chemist Award in 2023. This award divided into two categories namely Academic and Industry. This intends to encourage and recognize the contribution of young chemists whose less than 45-year-old at the beginning of their careers. This award was chaired by Prof Dr ChM Phang Sook Wai. The winner of these awards were Assoc. Prof. Dr. ChM Gan Chee Yuen (Universiti Sains Malaysia) and ChM Dr Yeoh Beng Hoong (Malaysian Timber Industry Board) for Academic and Industry categories, respectively. The award was presented during IKM Annual Dinner and the winner receive a cash prize, medal and certificate.

MYCN Voice articles in Berita IKM - Chemistry in Malaysia

The special column in Berita IKM was chair by Dr Sufri Mastuli which will reserve a one to two pages for MYCN to voice out news related to chemistry especially MYCN activities. The column MYCN Voice is published in the September 2023/24 issues with the title's articles: "The role of covalent organic frameworks (COFs) in enhancing fuel cell technologies by ChM Dr. Ng Wei Keat, "Karnival kemahiran dan kerjaya kimia malaysia (K4M) 2023 by Assoc. Prof. ChM Dr. Khor Sook Mei" and SDG and ESG: Striking a balance between growth and sustainability by Ts. ChM Dr Kumuthini Chandrasekaram". The team has submitted and articles and published in the Berita IKM.

Global Conversation on Sustainability (GCS)

Date: 23rd September 2023 (Saturday)

Time: 9.00 am -1.00 pm

Venue: Virtual

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

The Sustainable Development Goals (SDGs) and Environmental, Social, and Governance (ESG) complement each other in the way forward to promote best practices that protect our planet. The United Nation's 17 SDGs pivot upon ending poverty, saving the earth, and promoting overall well-being for all. The ESG's focal point aims to measure sustainability and promote responsible business practices that consequently align with SDG implementations. Hence, both the SDGs and ESG factors are closely interloped in their vision. Malaysian Young Chemist Network (MYCN) under the patronage of the Malaysian Institute of Chemistry (IKM) and in collaboration with International Young Chemist Network (IYCN) organized a webinar on 23rd September 2023 titled SDGs and ESG Synergized with Green Chemistry - A Global Conversation (GCS). This even was chaired by Assoc Prof ChM Dr Lim Teck Hock from Tunku Abdul Rahman University of Management and Technology (TARUMT). This webinar consisted of three sessions, namely Session 1 on Actions and Challenges in Synergizing SDG and ESG, Session 2 on Green Chemistry and SDGs, and Session 3 on ESG and Future Leaders. The webinar was moderated by Prof. Dr Juan Joon Ching (Chairman MYCN, Council Member IKM, Universiti Malaya) with the opening address by Datuk Dr Soon Ting Kueh (President IKM). The distinguished panel of speakers include Dato Ong Eng Long (President of Malaysian Rubber Board), Assoc. Prof. Dr Sharina Halim (University Kebangsaan Malaysia, Malaysia), Assoc. Prof. Dr. Fatimah Salim (Universiti Teknologi MARA, Malaysia), Assoc. Prof. Dr Kuo Chun Hong (National Yang Ming Chiao Tung University, Taiwan), Ts. Dr Mohamad Shazeli Che Zain (University Sains Malaysia, Malaysia) and Ms Esther Yap (CEO Stellar Sparx International, Malaysia). The SDGs and ESG Synergized with Green Chemistry - A Global Conversation (GCS) which ran over four hours saw the convergence of various intellects and subject matter experts.

Others

MYCN is planning a "Strategic Plan" which chaired by ChM Mr Damien Khoo. The detail of draft covered new and attractive ideas such as (a) Create a module for the fresh graduate and job opportunities, (b) Future on Chemistry to handlings to the young people in Malaysia, (c) The direction of the Chemistry industry, (d) Relook and revise the curriculum on the syllabus to align the requirement of the industry and problem-solving and (e) organisation structure of MYCN. The chair will be organising a workshop to discuss on the implementation of the strategic plan. There is a also Membership of MYCN chair by Dr Lee Kian Mun which responsible to increase the number of the MYCN members and inspire more active members. There is continuous effort to engage with International Younger Chemist Network (IYCN) for international networking by Assoc Prof Dr. Lee Hooi Ling, Dr. Yvonne Choo and Dr. Shahrul.

C4 - COMMITTEE ON CHEMISTRY EDUCATION & COMMUNITY (CCEC)

The Chemistry Education Committee for 2023/2024 comprises the following:

| | |
|-------------------------------|-----------------|
| Datuk ChM Dr Soon Ting Kueh | IKM (Chairman) |
| Datin ChM Dr Zuriati Zakaria | IKM |
| ChM Dr Sa'adah Masrukin | IKM |
| Datin ChM Dr Ng Soo Boon | SEGi University |
| Prof ChM Dr Mansor Ahmad | UPM |
| Prof Dr Sharifuddin Md Zain | UM |
| ChM Dr Ng Kim Hooi | TARUMT |
| Assoc Prof ChM Dr Ng Chew Hee | IMU |

Activities

Kuiz Kimia Kebangsaan Malaysia (K₃M) 2023

K3M 2023 was successfully conducted on Thursday, 5 October 2023 in 877 schools throughout Malaysia. A total of 38,470 students registered for the K3M 2023; 32,136 students from Form 4 and 5 took part in the O level quiz, while 6,334 students from Form 6 and Matriculation participated in the Advanced level quiz. The top scorer students for Advanced and Ordinary level received their awards during Malam Kimia & Presentation of IKM Awards 2023 on Friday, 1 December 2023 at One World Hotel, Petaling Jaya, Selangor.

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

C5 - COMMITTEE ON CHEMISTRY & INDUSTRY (CCI)

Committee Members for 2023/2024

| Position | Name | Company / Organization |
|-------------|---|----------------------------------|
| Chairperson | ChM Ts Damien Khoo Yiyuan | Bruker (M) Sdn Bhd |
| Members | ChM Marhayani binti Md Saad | Department of Chemistry Malaysia |
| | Dr Addie Wong Wai Meng (Withdraw) | Taliworks Corporation Berhad |
| | ChM Dr Ng Thian Hong | Central Medicare Sdn Bhd |
| | Puan Nurida Yusop | Petronas Research Sdn Bhd |
| | ChM Dr. Chin Teen Teen | ALS Technichem (M) Sdn Bhd |
| | ChM Nor Azian binti Abu Samah | Department of Chemistry Malaysia |
| | ChM Dr Padillah binti Yahya | Department of Chemistry Malaysia |
| | ChM Dr Siti Nur Nazathul Shima binti Hashim | Department of Chemistry Malaysia |
| | Mr Christopher Kew Lim | Taiko Group |

Activities

Membership

- More participants from various industries – Manufacturing, Chemicals, Oil & Gas, Laboratories, GLCs, etc. are welcomed to join CCI.
- To reach out to IKM branches to nominate respective committee members as CCI committee in 2024.
- To seek strategic partnerships with more professional bodies, federal/state government agencies, statutory bodies, etc.
- It is suggested in the IKM Council Meeting that the Chairperson and members will hold their positions for three years from the date of appointment.

Survey

Survey questionnaire is ready to be distributed to industrial sectors to gauge their feedback on:

- Relevance of IKM membership to their organization and business
- Role of Chemistry in their respective business
- Placement of Chemistry students as interns in their organisation
- Number of Chemistry graduates in their workforce
- Preparedness / skill set of Chemistry graduates for their roles in their companies

Talk/Lecture

- The chairperson of CCI, Damien Khoo Yiyuan, was invited to deliver a talk at Karnival Kimia Malaysia (K2M) Zon Utara 2023 which was held on 15th June 2023 at AIMST University, Bedong, Kedah, Malaysia.
- The title of the talk was “Beyond The Laboratories: Advancing Career with Science”.

C6 - INVESTIGATION COMMITTEE

Members of the IKM Investigation Committee are:

DGP (R) Assoc. Prof. Dato' ChM Dr Yew Chong Hooi (Chairman)
Prof. ChM Dr. Juan Joon Ching
Dato' ChM Dr Hj Mas Rosemal Hakim Bin Mas Haris

During the year under review, no disciplinary cases were reported.

VIII: APPRECIATION

124. The Council wishes to record its appreciation to the many persons and organizations who have given their support to the Institute.
- YB Chang Lih Kang, Minister of Science, Technology and Innovation (MOSTI).
 - YBhg. Dato' Ts. Dr. Haji Aminuddin bin Hassim, Secretary General of MOSTI.
 - The Ministry of Science, Technology and Innovation, Organization for the Prohibition of Chemical Weapons, Royal Society of Chemistry, American Chemical Society, Foundation for Interaction between Science and

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

Technology, Asia Chem Corporation and the many local firms for their financial support, Malaysian Scientific Association, Confederation of Scientific and Technological Associations of Malaysia, Department of Standards Malaysia, Malaysian Qualifications Agency and the Department of Occupational Safety and Health for their cooperation.

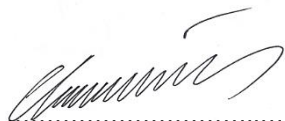
- Schools Division, Ministry of Education for providing assistance and acting as liaison between the schools and the Chemistry Education & Community Section of IKM.
 - MRB, MPOB, MARDI, SIRIM Bhd, FRIM, IMR, Jabatan Kimia Malaysia, Jabatan Mineral & Geosains, Malaysian Institute for Nuclear Technology Research, UKM, UM, UPM, UTM, UiTM, UMS, UNIMAS, USM, UTAR, TARUMT, UMP, IMU, Monash University Sunway Campus and Nottingham University Malaysia for the use of their facilities and extending their cooperation.
 - Members of Subcommittees and IKM Branch committees.
 - Authors of papers at the Institute's Seminars/Conferences/Courses.
 - Advertisers, well-wishers and donors for making all our functions and projects successful with their support and financial contributions.
 - Mass Media for news coverage.
 - Secretariat Staff
 - Members who participated in the functions by their involvement in the organization of the events and by their attendance.
 - All those friends of IKM who had in one way or another supported the Institute.
-

Prepared by



.....
ChM Dr Aqeel Saravanan
Executive Director

Verified by



.....
ChM Chang Hon Fong
Hon. Secretary

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

IX: APPENDICES APPENDIX A MEMBERSHIP CHANGES

| | Members Upgraded to Fellows | |
|----|---|-------------------|
| 1 | Cheng Sit Foon, Assoc. Prof. Dr. | F/0142/4779/05/23 |
| 2 | Halimah Binti Abdul Rahim | F/0144/2501/95/23 |
| 3 | Mohd Sani Bin Sarjadi, Assoc. Prof. Dr. | F/0143/7204/15/23 |
| 4 | Zainab binti Ngaini, Prof. Dr. | F/0141/5045/07/23 |
| | | |
| | Licentiates Upgraded to Members | |
| 1 | Adilah binti Hazan | M/6574/8062/18/23 |
| 2 | Affifandi bin Alias | M/6502/8935/21/23 |
| 3 | Aqmar Aqem bin Azhar | M/6336/8830/20/23 |
| 4 | Caroline Joan Anak Dan | M/6466/7882/17/23 |
| 5 | Charles Rolend Richard | M/6576/9624/22/23 |
| 6 | Cheah Keng Wei | M/6335/6781/14/23 |
| 7 | Cheng Pui Wah | M/6567/6037/11/23 |
| 8 | Ch'ng Yung Sing | M/6570/8845/20/23 |
| 9 | Eva Tan Lee Yin | M/6468/6846/15/23 |
| 10 | Ezy binti Marangkil | M/6571/8923/21/23 |
| 11 | Farah Liyana binti Mohd Rodin | M/6330/8974/21/23 |
| 12 | Fatin Aziera binti Rahmat | M/6332/8223/18/23 |
| 13 | Fazrizal bin Dolkafri | M/6572/8281/19/23 |
| 14 | Flora Anak Joseph | M/6405/9185/21/23 |
| 15 | Izzyan Hanis binti Ramlan | M/6566/7570/16/23 |
| 16 | Josephine anak Jonip | M/6464/8931/21/23 |
| 17 | Lay Mee Ping | M/6568/7021/15/23 |
| 18 | Ler Lien Jia | M/6575/9541/22/23 |
| 19 | Mayrliza Ng Hui Ni | M/6564/9324/22/23 |
| 20 | Mohammad Azri Bin Md Hanafiah | M/6467/9634/22/23 |
| 21 | Mohd Hairudin bin Haryadi | M/6573/9463/22/23 |
| 22 | Muhammad Zulhusni bin Ab Wahab | M/6328/9204/21/23 |
| 23 | Noor Atikah binti Momen | M/6410/9026/21/23 |
| 24 | Nor Asikin binti Mohammad Zawaher | M/6409/7484/16/23 |
| 25 | Nor Fatimah binti Abdullah Kidal | M/6562/7805/17/23 |
| 26 | Norhanis binti Jamaludin | M/6334/5872/10/23 |
| 27 | Nur Syafiqah Hanum binti Mohamed Yosri | M/6406/9046/21/23 |
| 28 | Nur Syazwani binti Idris | M/6407/7870/17/23 |
| 29 | Nurul Akmaliah binti Hussin | M/6472/7467/16/23 |
| 30 | Nurul Shafika binti Ahmad Ihsan | M/6331/8069/18/23 |
| 31 | Ong Song Quan, Dr. | M/6327/8748/20/23 |
| 32 | Ooi Yin Yee | M/6411/9564/22/23 |
| 33 | Parimaladevi A/p Devendharan | M/6408/8355/19/23 |
| 34 | Phneh Kok Wei | M/6469/6184/12/23 |
| 35 | Rayce Lim Rui Chi | M/6329/8700/20/23 |
| 36 | Shum Sook Yee | M/6333/6468/13/23 |
| 37 | Siraj bin Muhamad Ridzuan Nasaruddin | M/6569/9619/22/23 |
| 38 | Siti Fatimah Hani binti Hamid | M/6404/7855/17/23 |
| 39 | Siti Nurhairunissa binti Drahman | M/6465/7553/16/23 |
| 40 | Sonja Sheena Jacob | M/6501/8988/21/23 |
| 41 | Syafiqah binti Saupi | M/6563/8292/19/23 |
| 42 | Thamil Selvi a/p Nathan | M/6470/8725/20/23 |
| 43 | Wan Mohd Hilmey bin W. Mohd Arifin | M/6471/8953/21/23 |
| 44 | Wan Muhammad Rahmat Syazuli bin Wan Harun | M/6337/9045/21/23 |
| 45 | Wong Ru Sheong | M/6565/8070/18/23 |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | New Members (MMIC) | |
|----|--|-----------------|
| 1 | Abdul Qaiyum Bin Ramle, Dr. | M/6412/9999/23 |
| 2 | Abdul Rahman bin Abdul Rashid | M/6394/10214/23 |
| 3 | Adibah binti Azizan | M/6426/10258/23 |
| 4 | Adriana Anak Ali | M/6434/10270/23 |
| 5 | Aeron Ronny Jelius | M/6290/10051/23 |
| 6 | Affaizza binti Mohamad Shah, Dr. | M/6362/10158/23 |
| 7 | Ahmad Amirul Faiz bin Ahmad Tajudin | M/6356/10143/23 |
| 8 | Ahmad Efendi Bin Abdullah | M/6435/10274/23 |
| 9 | Ahmad Fakhurur Razi bin Suahaimin | M/6369/10170/23 |
| 10 | Ahmad Khairul Azfar bin Darman | M/6304/10079/23 |
| 11 | Ahmad Nazif Bin Aziz, Dr. | M/6280/10032/23 |
| 12 | Aidy @ Mohamed Shawal bin M. Muslim, Prof. Dr. | M/6231/9963/23 |
| 13 | Ain Syamsiah binti Johari | M/6319/10101/23 |
| 14 | Ainur Azwa Binti Shaharuddin | M/6383/10198/23 |
| 15 | Aisyah binti Mohamad Sharif, Dr. | M/6399/10224/23 |
| 16 | Ang Guat Keng | M/6243/9990/23 |
| 17 | Ani Hafizah binti A Rashid | M/6295/10058/23 |
| 18 | Anith Liyana Binti Mohd Sis, Dr. | M/6473/9983/23 |
| 19 | Asniar Binti Salim | M/6276/10022/23 |
| 20 | Atiqah Binti Abdul Rashid | M/6429/10263/23 |
| 21 | Azizah Binti Abdul Aziz | M/6476/10339/23 |
| 22 | Beh Shiuan Yih | M/6312/10089/23 |
| 23 | Brandon Dee Jikat | M/6368/10169/23 |
| 24 | Chan Yean Kwan | M/6374/10184/23 |
| 25 | Charaniah A/P Chandran | M/6242/9988/23 |
| 26 | Chin Chee Lung, Dr. | M/6318/10100/23 |
| 27 | Chin Swee Yee, Dr. | M/6417/10241/23 |
| 28 | Chong Kah Kiat | M/6375/10186/23 |
| 29 | Chong Siew Xian | M/6364/10161/23 |
| 30 | Christelle Wong Pau Ping, Dr. | M/6440/10281/23 |
| 31 | Chua Chi Wing | M/6351/10137/23 |
| 32 | Empenai Anak Suyong | M/6459/10326/23 |
| 33 | Faiqah Binti Ramli, Dr. | M/6422/10253/23 |
| 34 | Faisal Bin Hussin, Dr. | M/6359/10150/23 |
| 35 | Fatihah Najirah binti Jumaah | M/6209/9745/23 |
| 36 | Fatimah Zahrah Binti Mohammad Kamil | M/6433/10269/23 |
| 37 | Fatin Najihah Binti Jasni | M/6365/10163/23 |
| 38 | Fatin Nur Syuhadah Binti Mohd Jailani | M/6294/10057/23 |
| 39 | Fauziahanim binti Zakaria, Dr. | M/6270/10006/23 |
| 40 | Gina Francesca Gabriel, Dr. | M/6278/10027/23 |
| 41 | Goo Zi Lang, Dr. | M/6477/10340/23 |
| 42 | Hazni Falina binti Mohamad | M/6302/10075/23 |
| 43 | Hazwani binti Hapiz | M/6381/10196/23 |
| 44 | Hemamalini A/P Rawindran | M/6449/10297/23 |
| 45 | How Cai Kian | M/6272/10010/23 |
| 46 | Huda binti Ramli | M/6306/10081/23 |
| 47 | Hue Han Pin | M/6222/9946/23 |
| 48 | Illani binti Ibrahim | M/6217/9937/23 |
| 49 | Ismail Bin Zainol, Prof. Dr. | M/6454/10306/23 |
| 50 | Ismayanti binti Mukhtar | M/6238/9980/23 |
| 51 | Iza Mazwani binti Zainudin | M/6305/10080/23 |
| 52 | Izwaharyanie binti Ibrahim, Dr. | M/6346/10130/23 |
| 53 | Jazlin Nur Zakira binti Amran | M/6273/10014/23 |
| 54 | Kamal Ariff bin Mat Desa | M/6478/10341/23 |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | | |
|-----|--|-----------------|
| 55 | Krittika A/P Chandran | M/6246/9994/23 |
| 56 | Kurniadi Bin Muhtar | M/6455/10311/23 |
| 57 | Lam Mem Zhoon | M/6297/10062/23 |
| 58 | Law Lin Hee | M/6363/10159/23 |
| 59 | Lee Biing Yuan | M/6223/9947/23 |
| 60 | Lee Ching Yik | M/6431/10267/23 |
| 61 | Lee Fong Kai, Dr. | M/6233/9970/23 |
| 62 | Lee Kar Xin, Dr. | M/6428/10261/23 |
| 63 | Lee Li Poh | M/6357/10146/23 |
| 64 | Lee Saw Im | M/6210/9927/23 |
| 65 | Liew Bih Kuan | M/6367/10166/23 |
| 66 | Liew Kin Hong @ Lew Kin Hong, Dr. | M/6439/10279/23 |
| 67 | Lin Kok Weng | M/6355/10142/23 |
| 68 | Linthini A/P Gannetion | M/6385/10202/23 |
| 69 | Lohitha A/P Prabakara Rao | M/6481/10347/23 |
| 70 | Loo Hee Kian | M/6228/9956/23 |
| 71 | Machairey Marcus | M/6379/10192/23 |
| 72 | Mailina binti Jamil | M/6307/10082/23 |
| 73 | Mak Sek Yin | M/6339/10117/23 |
| 74 | Mastura binti Ibrahim, Dr. | M/6311/10088/23 |
| 75 | Masuri Kama binti Kamaruddin Shah, Dr. | M/6316/10096/23 |
| 76 | Mohamad Ainuddin bin Wahidin | M/6269/10004/23 |
| 77 | Mohamad Aizuddin Bin Zainol Adzar | M/6416/10239/23 |
| 78 | Mohamad Akmal Bin Busrah | M/6452/10303/23 |
| 79 | Mohamad Badrul Hakim Bin Mohd Rosli | M/6442/10284/23 |
| 80 | Mohamad Hamizan bin Mohd Isa | M/6225/9950/23 |
| 81 | Mohamad Tahfiz Bin Mohamad Tajuddin | M/6500/10394/23 |
| 82 | Mohammad Hadi Bin Amran | M/6309/10086/23 |
| 83 | Mohammad Irwin Bin Kassim | M/6493/10377/23 |
| 84 | Mohd Azizi Al-Hafiz Bin Wirzal | M/6229/9957/23 |
| 85 | Mohd Firdaus Bin Mohamad | M/6485/10360/23 |
| 86 | Mohd Hazani Bin Mat Zaid, Dr. | M/6421/10249/23 |
| 87 | Mohd Razali bin Shamsuddin, Dr. | M/6266/9781/23 |
| 88 | Mohd Razi bin Mat Piah | M/6214/9933/23 |
| 89 | Mohd Shafik Yuzman bin Tolmanan | M/6226/9953/23 |
| 90 | Mohd Zulkhairi Bin Azid | M/6432/10268/23 |
| 91 | Mohd. Iqbal Bin Sarimin | M/6463/10336/23 |
| 92 | Muhamad Ruzairie Bin Rusli | M/6216/9935/23 |
| 93 | Muhammad Danial Bin Jamat | M/6338/9899/23 |
| 94 | Muhammad Haniff bin M Zahari | M/6296/10061/23 |
| 95 | Muhammad Haziq Bin Abd Rahim | M/6488/10365/23 |
| 96 | Muhammad Husni Bin Omar | M/6456/10313/23 |
| 97 | Muhammad Khairulfikri bin Othman | M/6212/9929/23 |
| 98 | Muhammad Norhaffis Bin Mustafa, Dr. | M/6424/10255/23 |
| 99 | Muhammad Taufik Bin Mohamad Zin | M/6496/10389/23 |
| 100 | Muhammad Zarul Zafranuddin bin Halid | M/6300/10068/23 |
| 101 | Muhammad Zuhair Bin Ahmad Samsuri | M/6450/10298/23 |
| 102 | Muhammad Zulhelmi bin Nazri | M/6345/10129/23 |
| 103 | Mursyidah binti Abdul Rahim | M/6315/10093/23 |
| 104 | Nadirah Zawani binti Mohd Nesfu, Dr. | M/6232/9969/23 |
| 105 | Najihah Binti Mazlan | M/6453/10304/23 |
| 106 | Najwa Binti Mohd Hamdan | M/6347/10132/23 |
| 107 | Nanthini Thevi A/P Devaraju | M/6371/10173/23 |
| 108 | Navania A/P Segar | M/6414/10237/23 |
| 109 | Nazirah Atika binti Harizan | M/6350/10135/23 |
| 110 | Neshabran A/L Ramachandran | M/6241/9987/23 |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | | |
|-----|--|-----------------|
| 111 | Ng Zhi Yee | M/6402/10228/23 |
| 112 | Nicodemus Ujih Anak Michael Brenden | M/6344/10125/23 |
| 113 | Nik Shazwani Afifah binti Nik Sazali | M/6321/10104/23 |
| 114 | Noor Aini Binti Md Saad | M/6342/10122/23 |
| 115 | Noor Asliza binti Ismail Adnen | M/6437/10277/23 |
| 116 | Noor Fatihah binti Mohd Sabri | M/6352/10138/23 |
| 117 | Noor Hasnani binti Mohd Amin | M/6392/10212/23 |
| 118 | Noor Nadia binti Noordin | M/6372/10177/23 |
| 119 | Noor Saadiah Binti Mohd Ali, Dr. | M/6415/10238/23 |
| 120 | Nor Akhlisah Binti Zulkipli | M/6448/10294/23 |
| 121 | Nor Fadilah binti Nasaruddin | M/6378/10191/23 |
| 122 | Nor Fariha Binti Muhamad Zin | M/6495/10388/23 |
| 123 | Nor Haziqah binti Abd Hafiff | M/6390/10209/23 |
| 124 | Nor Hazlin Binti Zainal Agill | M/6249/9997/23 |
| 125 | Nor Saadah binti Md Husin | M/6395/10215/23 |
| 126 | Norain Hldayah Binti Jasni | M/6227/9954/23 |
| 127 | Noraini binti Ishak | M/6245/9993/23 |
| 128 | Noraniza binti Ahmad Daud | M/6324/10109/23 |
| 129 | Norashikin binti Kamarudin | M/6244/9991/23 |
| 130 | Norfateha Binti Yunos | M/6491/10374/23 |
| 131 | Norhafiefa binti Hassan | M/6438/10278/23 |
| 132 | Norini Binti Tahir, Dr. | M/6268/10003/23 |
| 133 | Norlina Binti Mohd Rasid | M/6482/10348/23 |
| 134 | Norsyazlin Binti Abd Rashid | M/6271/10007/23 |
| 135 | Nur Ain binti Ab Aziz | M/6308/10083/23 |
| 136 | Nur Adibah binti Johari | M/6218/9939/23 |
| 137 | Nur Adila Fatin binti Mohd Khir | M/6397/10222/23 |
| 138 | Nur Afizah binti Haron | M/6313/10090/23 |
| 139 | Nur Al Wani binti Zainol Abidin | M/6289/10049/23 |
| 140 | Nur Anis Syafawani Binti Bujang | M/6248/9996/23 |
| 141 | Nur Aqila Binti Asmi | M/6446/10288/23 |
| 142 | Nur Asilah Binti Abd Wahid | M/6479/10342/23 |
| 143 | Nur Fatimah Aisya Binti Ahmad Kamil | M/6462/10330/23 |
| 144 | Nur Izzati binti Zullkefly | M/6494/10380/23 |
| 145 | Nur Liyana Binti Ayob | M/6487/10364/23 |
| 146 | Nur Liyana Fairuz Binti Ahmad | M/6284/10042/23 |
| 147 | Nur Marhaini binti Badu Latip | M/6366/10164/23 |
| 148 | Nur Nabihah Binti Mohammad Fauzi | M/6275/10021/23 |
| 149 | Nur Shazuwani Binti Ruzlan | M/6490/10371/23 |
| 150 | Nur Sheira Mohd Shah | M/6486/10362/23 |
| 151 | Nur Syafika Binti Mohd Salleh | M/6279/10028/23 |
| 152 | Nur Syafiqah Farhanah binti Dzulkharnien | M/6360/10153/23 |
| 153 | Nur Syahida Binti Akryl Azam | M/6213/9931/23 |
| 154 | Nur Syahida Binti Omar | M/6492/10376/23 |
| 155 | Nur Syahira binti Basar | M/6382/10197/23 |
| 156 | Nur Syamira Binti Zainudin | M/6443/10285/23 |
| 157 | Nur Yasumira Binti Abd Azmi | M/6497/10390/23 |
| 158 | Nur Zulaikha Binti Yusof, Dr. | M/6430/10265/23 |
| 159 | Nur'Aini Binti Anuar | M/6281/10033/23 |
| 160 | Nurain Binti Abd Jalil | M/6393/10213/23 |
| 161 | Nurain Nabilah Binti Shamsudin | M/6353/10139/23 |
| 162 | Nuramirah binti Suhaimi | M/6348/10133/23 |
| 163 | Nurashikin Binti Abd Azis, Dr. | M/6420/10247/23 |
| 164 | Nurasra Binti Yusof | M/6451/10300/23 |
| 165 | Nurdalilah Binti Othman | M/6292/10054/23 |
| 166 | Nurfarhana Binti Rosli | M/6401/10227/23 |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | | |
|-----|--|-----------------|
| 167 | Nurfarhanim binti Abu Bakar, Dr. | M/6377/10190/23 |
| 168 | Nurfaziatun Binti Dahalan | M/6287/10045/23 |
| 169 | Nurfafizah Binti Mohamed Don | M/6285/10043/23 |
| 170 | Nurhanis Husna Binti Mohd Nadzaruddin | M/6444/10286/23 |
| 171 | Nurhazwani binti Wahid | M/6361/10155/23 |
| 172 | Nurjanah Binti Isa | M/6445/10287/23 |
| 173 | Nurrin Azhani binti Mohd Zaidi | M/6215/9934/23 |
| 174 | Nurshazwani Binti Jaimin | M/6219/9941/23 |
| 175 | Nursyafiqah binti Elias, Dr. | M/6474/10248/23 |
| 176 | Nurul Aini Sofia Binti Mohamed Nor | M/6291/10053/23 |
| 177 | Nurul Azreen Binti Mohd Ismail | M/6221/9943/23 |
| 178 | Nurul Azyan binti Arsa'at | M/6325/10112/23 |
| 179 | Nurul Farah Izzati Binti Mohd Tarmizy | M/6419/10245/23 |
| 180 | Nurul Farhana binti Ruslan | M/6298/10064/23 |
| 181 | Nurul Hasimah Binti Kasmin | M/6403/10233/23 |
| 182 | Nurul Hidayatul U'lya binti Muhammad Aidil | M/6358/10148/23 |
| 183 | Nurul Nadhirah Binti Zulkifle | M/6398/10223/23 |
| 184 | Nurul Nadia binti Zainal Abidin | M/6370/10171/23 |
| 185 | Nurul Najwa Binti Ismail | M/6425/10256/23 |
| 186 | Nurulakma binti Zali | M/6483/10351/23 |
| 187 | Nurulnadya binti Zulkepli | M/6326/10114/23 |
| 188 | Nurzahrul Rasyidah binti Mohd Amin | M/6235/9973/23 |
| 189 | Puteri Raihanah Binti Megat Nu'man | M/6441/10283/23 |
| 190 | Raja Zubaidah binti Raja Sabaradin, Dr. | M/6373/10182/23 |
| 191 | Ravindran A/L S Perumal | M/6340/10120/23 |
| 192 | Renitha A/P Harikrishnan | M/6314/10092/23 |
| 193 | Roila Binti Awang, Dr. | M/6283/10036/23 |
| 194 | Romisuhani binti Ahmad, Dr. | M/6230/9959/23 |
| 195 | Sahlinah Binti Abdul Rakman | M/6413/10226/23 |
| 196 | Sahril bin Mohd Dan | M/6323/10106/23 |
| 197 | Saidatul Radhiah binti Ghazali | M/6277/10024/23 |
| 198 | Sarah Aliah binti Amir Sarifudin | M/6384/10200/23 |
| 199 | Selvapandian Prescilla Premila | M/6236/9975/23 |
| 200 | Shahira Sherliyani Binti Kamal | M/6499/10393/23 |
| 201 | Shahirah bt Shamsulbahrin | M/6475/10337/23 |
| 202 | Shaima' binti Ramli | M/6341/10121/23 |
| 203 | Shalini A/P Thambyrajah | M/6299/10065/23 |
| 204 | Shamira binti Shafie | M/6354/10141/23 |
| 205 | Sharlini A/P Rajaratnam | M/6436/10276/23 |
| 206 | Sharmili A/P Silvarajoo | M/6267/9806/23 |
| 207 | Sharveen Daren Pillai | M/6461/10329/23 |
| 208 | Shatesh Kumar A/L Sangar, Dr. | M/6310/10087/23 |
| 209 | Shirly Anak Sinie | M/6234/9971/23 |
| 210 | Siew Hui Kiong | M/6349/10134/23 |
| 211 | Siti Amirah binti Ahmad Zaiyad | M/6400/10225/23 |
| 212 | Siti Basirah binti Hussin | M/6211/9928/23 |
| 213 | Siti Farhana bt Abdul Raof | M/6322/10105/23 |
| 214 | Siti Hawa binti Haji Abdullah | M/6386/10204/23 |
| 215 | Siti Hawa Binti Karim | M/6282/10034/23 |
| 216 | Siti Hawatulaila binti Baharuddin | M/6293/10056/23 |
| 217 | Siti Kalthum Binti Haji Mohd Nakhrawi | M/6247/9995/23 |
| 218 | Siti Nor Azlina binti Abd Rashid | M/6391/10210/23 |
| 219 | Siti Norhasimah Binti Sulaiman | M/6498/10391/23 |
| 220 | Siti Rahmah Binti Sarif | M/6288/10047/23 |
| 221 | Sitti Mariam binti Nunurung | M/6320/10102/23 |
| 222 | Siva Rubini Devi A/P Raveendran | M/6286/10044/23 |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | | |
|--------------------------------|---------------------------------------|-----------------|
| 223 | Suhaimi Bin Abdul Razak | M/6427/10259/23 |
| 224 | Suraya binti Mohammad Nizam | M/6301/10069/23 |
| 225 | Syafiqah Binti Mohd Saleam | M/6484/10358/23 |
| 226 | Syahrul Imran bin Abu Bakar, Dr. | M/6240/9984/23 |
| 227 | Syazana binti Abu Bakar | M/6376/10188/23 |
| 228 | Tamilarasi A/P Ganasan | M/6317/10098/23 |
| 229 | Tan Fung Nian | M/6458/10320/23 |
| 230 | Tan Tai Ann | M/6447/10289/23 |
| 231 | Tan Yin Joe | M/6396/10217/23 |
| 232 | Tang Wai Kit, Dr. | M/6418/10243/23 |
| 233 | Teo Kien Yung | M/6460/10327/23 |
| 234 | Tiun Tze Mey | M/6388/10206/23 |
| 235 | Vidhyaa A/P Paroo Indran, Dr. | M/6237/9978/23 |
| 236 | Vithya A/P Silvarajah | M/6480/10345/23 |
| 237 | Wan Azwira binti Ab Ghani @ Wan Ahmad | M/6303/10077/23 |
| 238 | Wan Haslinda Binti Wan Ahmad, Dr. | M/6489/10369/23 |
| 239 | Wan Mastura binti Wan Ibrahim, Dr. | M/6239/9981/23 |
| 240 | Wan Syazwani binti Abdullah Suhaimi | M/6220/9942/23 |
| 241 | Wong Kai Yi | M/6457/10317/23 |
| 242 | Wong Lai Hong | M/6380/10195/23 |
| 243 | Wong Pei Yi | M/6389/10207/23 |
| 244 | Yeong Keng Yoon, Dr. | M/6343/10123/23 |
| 245 | Zati Iwani binti Idris | M/6224/9949/23 |
| 246 | Zuhairah Binti Lajoh | M/6274/10020/23 |
| 247 | Zul Farhana Izyani binti Zulkifli | M/6387/10205/23 |
| 248 | Zulaikha Athirah Binti Alexzman | M/6423/10254/23 |
| New Licentiatees (LMIC) | | |
| 1 | 'Nur 'Atikah binti Mat Zubir | L/3339/9974/23 |
| 2 | Ahmad Harith Fadhilah Bin Johanes | L/3485/10382/23 |
| 3 | Ahmad Solihin bin Uda Shehor | L/3399/10124/23 |
| 4 | Aisyah Izzaty Binti Hassan | L/3438/10272/23 |
| 5 | Amira Nabila binti Aziz | L/3461/10332/23 |
| 6 | Anas Zuhaili bin Mohd Jeffry | L/3427/10234/23 |
| 7 | Anis Farhah Binti Abd Ghafor | L/3415/10183/23 |
| 8 | Anis Shazwani binti Zulkiflee | L/3434/10252/23 |
| 9 | Anna Anak Janin | L/3345/9986/23 |
| 10 | Asmat Binti Abdull Sattar | L/3431/10242/23 |
| 11 | Azrol Syafiq bin Azman | L/3395/10111/23 |
| 12 | Cassandra Chew Zhui Xin | L/3464/10334/23 |
| 13 | Chan Choi Yee, Dr. | L/3373/10052/23 |
| 14 | Cheow Jing Xuan | L/3406/10154/23 |
| 15 | Chiang Zhang Jie | L/3473/10356/23 |
| 16 | Chong Siok Geok | L/3425/10231/23 |
| 17 | Cindy Chong Wei Xyn | L/3454/10316/23 |
| 18 | Dahsini A/P Selvaraj | L/3407/10156/23 |
| 19 | Damrick Daren Damarin | L/3462/10333/23 |
| 20 | Dayang Nur Shafiqah binti Abang Mudin | L/3336/9966/23 |
| 21 | Devina Irene Ferns | L/3475/10359/23 |
| 22 | Edon Eduin | L/3437/10271/23 |
| 23 | Eileen Lee Jia Yun | L/3414/10179/23 |
| 24 | Emma Syafinah Binti Ariffin | L/3465/10338/23 |
| 25 | Fadzrul Na'em bin Mohamad Asroh | L/3372/10050/23 |
| 26 | Fariyah Sakinah Binti Abdul Gani | L/3480/10373/23 |
| 27 | Foo Wen Yu | L/3489/10392/23 |
| 28 | Gan Chun Hau | L/3378/10067/23 |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | | |
|----|---------------------------------------|-----------------|
| 29 | Ganaga Suriya A/P Jayabal | L/3348/10000/23 |
| 30 | Gary Anderson Anak Edwin Engbat | L/3364/10030/23 |
| 31 | Hasan Bin Sedzali | L/3442/10290/23 |
| 32 | Hii Sieng Chai | L/3354/10012/23 |
| 33 | Ida Madiha binti Yusoff | L/3343/9982/23 |
| 34 | Ira Wahadah Binti Md Ghazali | L/3455/10318/23 |
| 35 | Irene Tian Chow Cheng | L/3471/10354/23 |
| 36 | Irina Kesuma binti Ibrahim | L/3349/9821/23 |
| 37 | Izni Mahirah Binti Mohd Shahrudin | L/3405/10151/23 |
| 38 | Izyan Amani Binti Hasnul Hisham | L/3478/10368/23 |
| 39 | Izzaidah Binti Riman | L/3436/10264/23 |
| 40 | Johnson Lee Tian Qing | L/3452/10312/23 |
| 41 | Judith Jelilie Anak Jeffery German | L/3390/10099/23 |
| 42 | Jumaini binti Silamuddin | L/3402/10131/23 |
| 43 | Khairul Nazri Bin Baharuddin | L/3450/10309/23 |
| 44 | Khairunnajwa binti Md Said | L/3381/10072/23 |
| 45 | Koh Joo Shi | L/3467/10344/23 |
| 46 | Ku Mohamed Asyraf Bin Ku Ahmad | L/3458/10324/23 |
| 47 | Kylie How Chia Yee | L/3421/10208/23 |
| 48 | Lai Jian Yu | L/3347/9992/23 |
| 49 | Law Pei Thien | L/3477/10363/23 |
| 50 | Lee Jier | L/3453/10314/23 |
| 51 | Lee Yun Qian | L/3357/10016/23 |
| 52 | Libau Anak Barain | L/3411/10174/23 |
| 53 | Loh Yik Khang | L/3358/10017/23 |
| 54 | Magdeline Lai Tze Leng | L/3474/10357/23 |
| 55 | Mardiatul Atirah binti Mohd Sabri | L/3375/10060/23 |
| 56 | Marissa binti Mazlan | L/3338/9968/23 |
| 57 | Mohamad Faiq bin Faried | L/3374/10059/23 |
| 58 | Mohamad Noor Iman bin Mohd Azhar | L/3388/10095/23 |
| 59 | Mohamad Shaari bin Mohd Sariban | L/3376/10063/23 |
| 60 | Muhamad Faiz Bin Mohamed Shahrudin | L/3393/10108/23 |
| 61 | Muhamad Fakhrolrazi bin Nawawi | L/3321/9694/23 |
| 62 | Muhamad Nabil Najmuddin Bin Azman | L/3435/10260/23 |
| 63 | Muhammad Abdul Rahman bin Idris | L/3418/10193/23 |
| 64 | Muhammad Afiq bin Norazmi | L/3356/10015/23 |
| 65 | Muhammad Amirul Afifi Bin Mat Yaki | L/3486/10384/23 |
| 66 | Muhammad Faris Danial Bin Azhari | L/3439/10273/23 |
| 67 | Muhammad Hafiz bin Istamam | L/3404/10145/23 |
| 68 | Muhammad Haziq bin Jaffri | L/3327/9951/23 |
| 69 | Muhammad Idzni Bin Baharum | L/3370/10046/23 |
| 70 | Muhammad Ikhsan bin Abdur Rahman | L/3365/10037/23 |
| 71 | Muhammad Najmi Bin Risdan | L/3457/10322/23 |
| 72 | Muhammad Nizam bin Mohd Saffee | L/3335/9965/23 |
| 73 | Muhammad Nur Hakiim bin Kamarudin | L/3416/10185/23 |
| 74 | Muhammad Syukor Bin Sulaiman | L/3429/10118/23 |
| 75 | Muhammad Zhafran Bin Mohd Zulkarnain | L/3472/10355/23 |
| 76 | Muzaffar Bin Mustafar | L/3448/10307/23 |
| 77 | Nabilah Binti Zul Khairi Amin | L/3424/10230/23 |
| 78 | Najiah binti Nadir, Dr. | L/3355/10013/23 |
| 79 | Najihah Binti Abd Latif | L/3466/10343/23 |
| 80 | Natasha Amira binti Azmi | L/3328/9952/23 |
| 81 | Ng Kok Hua | L/3342/9979/23 |
| 82 | Ng Wei Keat, Dr. | L/3432/10250/23 |
| 83 | Ng Wei Ting | L/3350/10002/23 |
| 84 | Nik Muhummad Ikhwan Sulhi bin Ibrahim | L/3368/10040/23 |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | | |
|-----|---------------------------------------|-----------------|
| 85 | Nisanthei A/P Gunasegaran | L/3394/10110/23 |
| 86 | Noor Ashikin Idayu binti Md Asri | L/3383/10074/23 |
| 87 | Noor Sharisha Adha Binti Mohd Latif | L/3401/10127/23 |
| 88 | Nor Adilla Binti Abdullah | L/3443/10293/23 |
| 89 | Nor Akalili Binti Ahmad, Dr. | L/3459/10328/23 |
| 90 | Nor Aneesa Binti Shahrul Hisham | L/3484/10381/23 |
| 91 | Nor Diany Binti Zaidi | L/3441/10282/23 |
| 92 | Nor Faeyhusna binti Mohd Fakarudin | L/3382/10073/23 |
| 93 | Nor Fazilla Binti Mohd Zaki | L/3326/9948/23 |
| 94 | Nor Madiana Binti Ali | L/3440/10275/23 |
| 95 | Nor Nadiatasya binti Mohd Ezani | L/3391/10103/23 |
| 96 | Noradriana Binti Zulkifle | L/3346/9989/23 |
| 97 | Norfaerra binti Alibasa | L/3353/10011/23 |
| 98 | Nur 'Adilah binti Abdul Nasir | L/3334/9964/23 |
| 99 | Nur Afiqah binti Basari | L/3400/10126/23 |
| 100 | Nur Aini Fatihah Binti Azani | L/3444/10295/23 |
| 101 | Nur Alya Asyura Binti Mazlan | L/3456/10321/23 |
| 102 | Nur Aqilah binti Sarip | L/3420/10203/23 |
| 103 | Nur Bahirah Binti Abdul Rais | L/3488/10387/23 |
| 104 | Nur Farzana Izzati binti Mohd Jaslina | L/3389/10097/23 |
| 105 | Nur Fatihah Binti Abdul Pata | L/3463/9972/23 |
| 106 | Nur Fatma binti Ujang | L/3460/10331/23 |
| 107 | Nur Khairina binti Khosan | L/3366/10038/23 |
| 108 | Nur Mizan Izzati Binti Masran | L/3446/10301/23 |
| 109 | Nur Qursya Binti Mohd Noor Salizan | L/3445/10296/23 |
| 110 | Nur Sabrina binti Mohd Nooh | L/3412/10175/23 |
| 111 | Nur Shahada Binti Suhiman | L/3340/9976/23 |
| 112 | Nur Syafiqah binti Kamarudin | L/3385/10085/23 |
| 113 | Nur Zahirah binti Zainal Abidin | L/3387/10094/23 |
| 114 | Nurfarrak Atiqah Binti Roslan | L/3481/10375/23 |
| 115 | Nurhazwane Binti Abdul Fadil | L/3451/10310/23 |
| 116 | Nurhuda binti Asmuner | L/3379/10070/23 |
| 117 | Nurkhalifah binti Matjisin | L/3325/9944/23 |
| 118 | Nursyaliza Binti Elias | L/3476/10361/23 |
| 119 | Nursyuhaida binti Mohd Hanafi | L/3362/10026/23 |
| 120 | Nurul Ain Elmira binti Elleas | L/3408/10157/23 |
| 121 | Nurul Ain Husna Binti Zulkiflee | L/3470/10353/23 |
| 122 | Nurul Asmalina binti Abd Kamar | L/3392/10107/23 |
| 123 | Nurul Effie Alieyxa Binti Suhardi | L/3468/10349/23 |
| 124 | Nurul Ezzati binti Kassim | L/3361/10023/23 |
| 125 | Nurul Farhanah Binti Zakaria | L/3487/10386/23 |
| 126 | Nurul Izzah Atirah binti Razali | L/3449/10308/23 |
| 127 | Nurul Nabilah binti Ahmad Farid | L/3371/10048/23 |
| 128 | Nurul Nabilla Binti Mohamad Nadziri | L/3322/9771/23 |
| 129 | Nurulhuda binti Mohd Sani | L/3367/10039/23 |
| 130 | Ow Yu Wei | L/3344/9985/23 |
| 131 | Rodney Robert | L/3324/9932/23 |
| 132 | Roshini A/P Nadaraja | L/3363/10029/23 |
| 133 | Rozainie binti Md Rosalin | L/3330/9958/23 |
| 134 | Samantha Ling Yuan Ci | L/3380/10071/23 |
| 135 | Sarah Balqis binti Amir | L/3398/10119/23 |
| 136 | Saranraj A/L Saravanan | L/3479/10372/23 |
| 137 | Saw Hui Qi | L/3384/10076/23 |
| 138 | Shaarany A/P Kunasegran | L/3323/9930/23 |
| 139 | Shalini A/P Palanisamy | L/3430/10236/23 |
| 140 | Shazleen Binti Saadon | L/3386/10091/23 |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | | |
|-----|---|-------------------|
| 141 | Shuhaizi bin Ahmad | L/3410/10172/23 |
| 142 | Siew Bee Jing | L/3377/10066/23 |
| 143 | Siti Aminah Binti Arifin | L/3417/10189/23 |
| 144 | Siti Fairuz binti Yusoff | L/3397/10116/23 |
| 145 | Siti Farzana binti Zayadi | L/3426/10232/23 |
| 146 | Siti Kautsar binti Anuar | L/3359/10018/23 |
| 147 | Siti Nur Khalidah binti Usri | L/3332/9961/23 |
| 148 | Siti Nurfarina binti Ismail | L/3413/10178/23 |
| 149 | Siti Nurhidayah Binti Narowi | L/3351/10005/23 |
| 150 | Soh Huey Yeng | L/3369/10041/23 |
| 151 | Steffhanie Binti Sylvester | L/3469/10352/23 |
| 152 | Suganthi A/P Krishnan | L/3331/9960/23 |
| 153 | Syahidin Arsyad bin Mohd Bukhari | L/3396/10113/23 |
| 154 | Syahrina Nur 'Afiah Binti Abdul Halim | L/3447/10305/23 |
| 155 | Tan Hooi Ping | L/3482/10378/23 |
| 156 | Tan Ngai Paing, Dr. | L/3333/9962/23 |
| 157 | Tew Zi Wei | L/3423/10219/23 |
| 158 | Tey Cheng Yi | L/3341/9977/23 |
| 159 | Tong Shi Ruo | L/3337/9967/23 |
| 160 | Venughaa A/P Samy | L/3419/10201/23 |
| 161 | Wan Nurdini Afiah Binti Salpol Yusree | L/3483/10379/23 |
| 162 | Wan Yusreena Ilya Binti Wan Azizee | L/3428/9938/23 |
| 163 | Wong Li Xuan | L/3409/10168/23 |
| 164 | Wong Pui Nei | L/3360/10019/23 |
| 165 | Wong Soon Kit | L/3433/10251/23 |
| 166 | Wong Yoke Lan | L/3403/10140/23 |
| 167 | Woo Lai San, Dr. | L/3352/10009/23 |
| 168 | Yong Yoong Soon, Dr. | L/3329/9955/23 |
| 169 | Zuhairi Bin Borhannudin | L/3422/10216/23 |
| | | |
| | Deceased | |
| 1 | Afida Bte Tasirin | L/1360/4381/03 |
| 2 | Hairulsyam bin Ibrahim | M/4414/7321/16 |
| 3 | Lim Leong Eng | L/0362/0769/77 |
| 4 | Lim Poh Boon | M/0651/1496/82/96 |
| 5 | Ooi Tong Yeow | L/1112/2691/96 |
| 6 | Quah Sek Leong | M/0145/0104/72/73 |
| 7 | Seow Pin Kwong, Dr | M/0152/0295/75 |
| 8 | Tee Kim Huan | M/0278/0283/75/77 |
| 9 | Yeo Hock Siew, Datuk | F/0051/0030/67/91 |
| | | |
| | Members Deregistered for Non-Payment of Annual Retention Fee | |
| 1 | Ahmad Syameem Bin Ahmad | M/5923/9511/22 |
| 2 | Amran Bin Mohidin | M/1810/4154/01 |
| 3 | Chan Yee Kam, Dr. | M/1283/2398/94 |
| 4 | Che Nin Binti Man, Datin | M/2962/5758/10 |
| 5 | Cheah Mei Ling | M/2670/5352/08 |
| 6 | Chee Swee Yong, Dr. | M/3416/6275/12 |
| 7 | Chen Tian Hong | M/5412/8829/20 |
| 8 | Chew, Tony | M/1220/2310/93 |
| 9 | Chong Lai Shien | M/2382/4691/04/06 |
| 10 | Dayangku Siti Nurfariza binti Awang Ahmad Safri | L/3184/9407/22 |
| 11 | Eugene Loh Ying Xian | L/3289/9815/22 |
| 12 | Farah Nabilah binti Shahbudin | L/3034/9021/21 |
| 13 | Fariz bin Adzmi, Dr. | M/6080/9730/22 |
| 14 | Fatin Fathiah binti Mohammad Yusop | M/5531/8979/21 |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | | |
|----|---------------------------------------|-------------------|
| 15 | Fatin Raudah binti Muhamad Ridza | L/3040/9031/21 |
| 16 | Franklyn Vun Yik Chiat | L/3118/9251/21 |
| 17 | Hanizah binti Ramli | M/5380/8782/20 |
| 18 | Hazarina binti Hamzah | L/1891/6253/12 |
| 19 | Heng Peng Siang | M/1628/3874/98 |
| 20 | Heoh Yieng Wah | L/1342/4301/02 |
| 21 | Kasturi A/P R Muthoosamy, Dr. | M/5906/9478/22 |
| 22 | Khor Hui Wen | L/3006/8934/21 |
| 23 | Lai Huat Choi | M/2671/5362/08 |
| 24 | Lim Kai Yin | L/2729/8091/18 |
| 25 | Lim Sin Yooi | L/2659/7887/17 |
| 26 | Lim Yong Wei, Cheryl | M/5908/9482/22 |
| 27 | Ling Lee Tim | M/2309/4885/06 |
| 28 | Megat Ibrahim Isahuddin Iskandar | M/4764/7861/17 |
| 29 | Mohd Khir bin Che Mat | M/3949/6702/13 |
| 30 | Mohd Tahir Bin Mali | M/1125/2719/96/97 |
| 31 | Muhamad Ashraf bin Nordin | L/3068/9105/21 |
| 32 | Muhammad Zaki bin Mohd Nasir | L/2746/8139/18 |
| 33 | Nabilah binti Daud | M/5289/8655/20 |
| 34 | Naharullah bin Jamaluddin, Dr. | M/5791/9340/22 |
| 35 | Noorwaeda binti Muslan | M/5033/8279/19 |
| 36 | Nor Azah binti Zainol | M/5529/8977/21 |
| 37 | Nor Hashila binti Ab Halim | M/4979/8200/18 |
| 38 | Nor Shafizah binti Ishak, Dr. | M/5544/9002/21 |
| 39 | Nosafarina Binti Abdul Manaf | L/3112/9227/21 |
| 40 | Nur Anis Hanani binti Abd Mu'min | L/3042/9033/21 |
| 41 | Nur Hasliza binti Misnan | L/3070/9107/21 |
| 42 | Nur Zahidah binti Rozaki | M/5237/8579/19 |
| 43 | Nurfadhilah binti Abdullah | L/3293/9827/22 |
| 44 | Nursuraya binti Zainal | M/5938/9535/22 |
| 45 | Nurul Ilyani binti Amri | M/4667/7715/17 |
| 46 | Nurulshakinah binti Ramdzan | M/6153/9856/22 |
| 47 | Oh Cheng Cheow | M/1036/1917/88/89 |
| 48 | Pun Ai Ping | L/1865/6156/12 |
| 49 | Quek Kye Shane | L/2684/7948/18 |
| 50 | Roslina binti Yatim | M/3609/6510/13 |
| 51 | Saw Lay Chen | M/4157/6967/15 |
| 52 | Siti Khairani binti Abdul Halim Azizi | M/5422/8844/20 |
| 53 | Siti Nur Surhayani binti Jefri | M/5533/8984/21 |
| 54 | Siti Zahirah binti Mohd Isa | M/5922/9507/22 |
| 55 | Sitti Mujur Channing Binti Usman Duri | L/3077/9137/21 |
| 56 | Suhana Binti Ismail | M/1385/2535/95 |
| 57 | Wan Haslyana binti Wan Hashim | M/5478/8902/21 |
| 58 | Yap Chin Ann, Dr. | L/2851/8439/19 |
| 59 | Yong Khursiah bt Kamarol Bahrin | M/2639/5335/08 |
| 60 | Zaharah Shafini binti Ahmad | L/1448/4643/04 |
| 61 | Zatil Afifah Binti Omar | M/6088/9746/22 |
| | | |
| | Members Resigned | |
| 1 | Mugilan Rajendran | M/4958/8166/18 |
| 2 | Thoong Lye Chan | M/1410/2570/95 |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

APPENDIX B

2023 IKM PRESIDENT LABORATORY AWARD

Category 2: Quality Assurance / Quality Control Laboratories from Industries

- PETRONAS PENAPISAN (TERENGGANU) SDN BHD, ANALYTICAL TECHNOLOGY SERVICES

Category 3: Commercial Testing Laboratories

- UNIQ SDN BHD

IKM LABORATORY EXCELLENCE DIAMOND AWARD (25 consecutive years of IKM Laboratory Excellence Award)

- SIME DARBY PLANTATION RESEARCH SDN BHD, LS LABORATORIES CAREY ISLAND, PULAU CAREY, SELANGOR

IKM LABORATORY EXCELLENCE PLATINUM AWARD (20 consecutive years of IKM Laboratory Excellence Award)

- FOREST RESEARCH INSTITUTE MALAYSIA (FRIM), WOOD COMPOSITE TESTING LABORATORY, KEPONG, SELANGOR

IKM LABORATORY EXCELLENCE GOLD AWARD (15 consecutive years of IKM Laboratory Excellence Award)

- EUROFINS NM LABORATORY SDN BHD, NILAI, NEGERI SEMBILAN
- MALAYSIAN REFINING COMPANY SDN BHD, SUNGAI UDANG, MELAKA
- PENGURUSAN AIR SELANGOR SDN BHD, SOUTHERN REGIONAL LABORATORY, SG. SEMENYIH WATER TREATMENT PLANT, PUTRAJAYA

IKM LABORATORY EXCELLENCE SILVER AWARD (10 consecutive years of IKM Laboratory Excellence Award)

- PETRONAS GAS BERHAD, ANALYTICAL TECHNOLOGY KERTIH, KERTIH, KEMAMAN, TERENGGANU
- PETRONAS GAS BERHAD, ANALYTICAL TECHNOLOGY KERTIH, UTILITIES KERTIH, KERTIH, KEMAMAN, TERENGGANU
- PETRONAS GAS BERHAD, ANALYTICAL TECHNOLOGY UTILITIES GEBENG, KUANTAN, PAHANG
- SIME DARBY PLANTATION RESEARCH SDN BHD, LS LABORATORIES SABAH, TAWAU, SABAH

IKM LABORATORY EXCELLENCE AWARDS 2023

| NO | NAME OF LABORATORIES |
|----|---|
| 1 | ALS Technichem (M) Sdn Bhd, Johor Bahru, Johor |
| 2 | ALS Technichem (M) Sdn Bhd, Shah Alam, Selangor |
| 3 | ASEAN Bintulu Fertilizer Sdn Bhd, Bintulu, Sarawak |
| 4 | Asiatest Laboratory Service Sdn Bhd, Kota Kinabalu, Sabah |
| 5 | Bio Synergy Laboratories Sdn Bhd, Petaling Jaya, Selangor |
| 6 | Borneo Samudera Sdn Bhd, Central Laboratory, Tawau, Sabah |
| 7 | Chemsain Konsultant Sdn Bhd, Kota Kinabalu, Sabah |
| 8 | Chemsain Konsultant Sdn Bhd, Shah Alam, Selangor |
| 9 | Eurofins NM Laboratory Sdn Bhd, Nilai, Negeri Sembilan |
| 10 | ExcelVite Sdn Bhd, Chemor, Perak |
| 11 | Fedmas Assay Office Sdn Bhd, Georgetown, Pulau Pinang |
| 12 | FGV Agri Services Sdn Bhd, FGV Analytical Laboratory, Bandar Jengka, Pahang |
| 13 | FGV Agri Services Sdn Bhd, FGV Analytical Laboratory, Lahad Datu, Sabah |
| 14 | FGV Johor Bulkiers Sdn Bhd, FJB Testing Laboratory, Pasir Gudang, Johor |
| 15 | Forest Research Institute Malaysia (FRIM), Natural Product Quality Control Laboratory, Kepong, Selangor |
| 16 | Forest Research Institute Malaysia (FRIM), Soil Chemistry Laboratory, Kepong, Selangor |
| 17 | Forest Research Institute Malaysia (FRIM), Wood Composite Testing Laboratory (WCTL), Kepong, Selangor |
| 18 | Forest Research Institute Malaysia (FRIM), Wood Preservative Analytical Laboratory, Kepong, Selangor |
| 19 | Indah Water Konsortium Sdn Bhd, Central Laboratory Services, Kuala Lumpur |
| 20 | Indah Water Konsortium Sdn Bhd, Northern Laboratory Services, Ipoh, Perak |
| 21 | Indah Water Konsortium Sdn Bhd, Penang Laboratory Services, Bukit Mertajam, Pulau Pinang |
| 22 | Indah Water Konsortium Sdn Bhd, Selangor Laboratory Services, Klang, Selangor |
| 23 | Indah Water Konsortium Sdn Bhd, Southern Laboratory Services, Ayer Keroh, Melaka |
| 24 | Jabatan Kimia Malaysia Cawangan Bintulu, Bintulu, Sarawak |
| 25 | Jabatan Kimia Malaysia Jalan Sultan, Petaling Jaya, Selangor |
| 26 | Johor Plantations Berhad, Central Analytical Laboratory, Kota Tinggi, Johor |
| 27 | Kualiti Alam Sdn Bhd, Bukit Pelanduk, Negeri Sembilan |

INSTITUT KIMIA MALAYSIA

ANNUAL REPORT 2023/2024

| | |
|----|---|
| 28 | Lotus Laboratory Services (M) Sdn Bhd, Johor Bahru, Johor |
| 29 | Malaysia LNG Sdn Bhd, Main Laboratory, Bintulu, Sarawak |
| 30 | Malaysian Agricultural Research and Development Institute (MARDI), MARDILab, Serdang, Selangor |
| 31 | Malaysian Refining Company Sdn Bhd, Sungai Udang, Melaka |
| 32 | Malaysian Timber Industry Board (MTIB), Fibre and Biocomposite Center (FIDEC), Banting, Selangor |
| 33 | National Institute of Occupational Safety and Health (NIOSH), Chemical Hazardous to Health Laboratory (CHL), Bandar Baru Bangi, Selangor |
| 34 | National Poison Centre, Toxicology Laboratory, Minden, Pulau Pinang |
| 35 | Pengurusan Air Selangor Sdn Bhd Northern Regional Laboratory, Sg. Selangor Phase 2 Water Treatment Plant, Bestari Jaya, Selangor |
| 36 | Pengurusan Air Selangor Sdn Bhd, Southern Regional Laboratory, Sg. Labu Water Treatment Plant, Sepang, Selangor |
| 37 | Pengurusan Air Selangor Sdn Bhd, Southern Regional Laboratory, Sg. Semenyih Water Treatment Plant, Putrajaya |
| 38 | Perbadanan Bekalan Air Pulau Pinang (PBAPP), PBA Central Laboratory, Sungai Dua Treatment Plant, Sungai Dua, Pulau Pinang |
| 39 | PETRONAS Chemicals Ammonia Sdn Bhd, Kerteh, Terengganu |
| 40 | PETRONAS Chemicals Derivatives Sdn Bhd, Kerteh, Terengganu |
| 41 | PETRONAS Chemicals Ethylene Sdn Bhd, Central Laboratory, Kerteh, Terengganu |
| 42 | PETRONAS Chemicals Fertiliser Kedah Sdn Bhd, PCFKSB Laboratory, Gurun, Kedah |
| 43 | PETRONAS Chemicals Fertiliser Sabah Sdn Bhd, PCFSSB Laboratory, Sipitang, Sabah |
| 44 | PETRONAS Chemicals LDPE Sdn Bhd, Kertih, Kemaman, Terengganu |
| 45 | PETRONAS Chemicals Methanol Sdn Bhd, W.P. Labuan |
| 46 | PETRONAS Chemicals MTBE Sdn Bhd, PC MTBE Laboratory, Kuantan, Pahang |
| 47 | PETRONAS Gas Berhad, Analytical Technology Export Terminal, Kemaman, Terengganu |
| 48 | PETRONAS Gas Berhad, Analytical Technology Kertih, Kertih, Kemaman, Terengganu |
| 49 | PETRONAS Gas Berhad, Analytical Technology Kertih, Utilities Kertih, Kertih, Kemaman, Terengganu |
| 50 | PETRONAS Gas Berhad, Analytical Technology Santong, Gas Processing and Utilities, Paka, Dungun, Terengganu |
| 51 | PETRONAS Gas Berhad, Analytical Technology Utilities Gebeng, Kuantan, Pahang |
| 52 | PETRONAS Penapisan (Terengganu) Sdn Bhd, Analytical Technology Services, Kertih, Kemaman, Terengganu |
| 53 | PETRONAS Refinery and Petrochemical Corporation Utilities & Facilities Sdn Bhd, PRPC UF Centralised Laboratory Services, Pengerang, Johor |
| 54 | PETRONAS Research Sdn Bhd, Kajang, Selangor |
| 55 | Petrotechnical Inspection (M) Sdn Bhd, Miri, Sarawak |
| 56 | Petrotechnical Inspection (M) Sdn Bhd, Port Klang, Selangor |
| 57 | Prisma Laboratory (M) Sdn Bhd, Johor Bahru, Johor |
| 58 | Ranhill SAJ Sdn Bhd, Central Laboratory, Batu Pahat, Johor |
| 59 | SaniChem Resources Sdn Bhd, Bandar Enstek, Negeri Sembilan |
| 60 | SGS (Malaysia) Sdn Bhd, Kuching, Sarawak |
| 61 | SGS (Malaysia) Sdn Bhd, Port Klang, Selangor |
| 62 | SGS (Malaysia) Sdn Bhd, SGS Sakura Onsite Laboratory, Bintulu, Sarawak |
| 63 | SGS (Malaysia) Sdn Bhd, Shah Alam, Selangor |
| 64 | Shell MDS (M) Sdn Bhd, Shell MDS (M) Laboratory, Bintulu, Sarawak |
| 65 | Sime Darby Plantation Research Sdn Bhd, LS Laboratories Sabah, Tawau, Sabah |
| 66 | Sime Darby Plantation Research Sdn Bhd, LS Laboratories Sarawak, Bintulu, Sarawak |
| 67 | Sime Darby Plantation Research Sdn Bhd, LS Laboratories Carey Island, Pulau Carey, Selangor |
| 68 | Trienekens (Sarawak) Sdn Bhd, Kuching, Sarawak |
| 69 | UMW Lubetech Sdn Bhd, Pulau Indah, Selangor |
| 70 | UNIQEP Sdn Bhd, Bangi, Selangor |
| 71 | Universiti Teknologi PETRONAS, Environmental Laboratory, Bandar Seri Iskandar, Perak |