



# 16<sup>th</sup> Asian Conference on Analytical Sciences ASIANALYSIS XVI 2023

9-12 October 2023 | Kuala Lumpur Convention Centre, Malaysia

"Advancing Analytical Sciences for  
Sustainable Development"

*incorporating*

**19<sup>th</sup> Asia-Pacific International  
Symposium on  
Microscale Separations and  
Analysis 2023 (APCE 2023)**

*held in conjunction with*

**LabAsia2023**

8<sup>th</sup> Edition of Malaysia International Scientific Instrument  
and Laboratory Equipment Exhibition and Conference

Organised by



In collaboration with



Department of  
Chemistry  
Malaysia



Forensic Science  
Society of  
Malaysia



Malaysian  
Association of  
Accredited  
Laboratories



<https://asianalysis2023.org/>

# 16<sup>th</sup> Asian Conference on Analytical Sciences

## ASIANALYSIS XVI 2023

## About ASIANALYSIS XVI 2023

**Asian Conference on Analytical Sciences (ASIANALYSIS)** was founded on the occasion of the IUPAC International Congress on Analytical Sciences, ICAS '91, which was held in Chiba, Japan, in August, 1991. ASIANALYSIS is under the advisory of a group of 19 International Advisory Board members consisting of eminent and distinctive scientists from Asia and Oceania. The aim of the organization is to provide a broad forum for Asian analytical chemists to exchange and share new advances and information covering the wide range of analytical sciences. It is also intended to establish intimate cooperation and friendship among Asian analytical chemistry communities through the discussion of topics of mutual interest. After its first conference in Chiba (Japan) in 1991, it was held every other year: 1993 in Changchun (China), 1995 in Seoul (Korea), 1997 in Fukuoka (Japan), 1999 in Xiamen (China), 2001 in Tokyo (Japan), 2003 in Hong Kong (China), 2005 in Taipei (Taiwan), 2007 in Jeju (Korea), 2009 in Kuala Lumpur (Malaysia), 2011 in Nanjing (China), 2013 in Fukuoka (Japan), 2016 in Chiang Mai (Thailand), 2018 in Jakarta (Indonesia) and 2021 in Taipei (Taiwan). Institut Kimia Malaysia (IKM) in collaboration with Jabatan Kimia Malaysia, Forensic Science Society of Malaysia and Persatuan Makmal Akreditasi Malaysia are jointly organising ASIANALYSIS XVI 2023 from 9-12 October 2023 at the Kuala Lumpur Convention Centre, Kuala Lumpur, Malaysia.

The theme **"Advancing Analytical Sciences for Sustainable Development"** means that the Conference will focus on advancing analytical sciences for meeting the UN Sustainable Development Goals 2030.

### ASIANALYSIS XVI 2023 - Scientific Sessions

- Chromatography and Separation Techniques
- Spectroscopy and Applications
- Mass Spectrometry
- Sensors Technologies
- Microscopy and Imaging Technology
- Cosmetic and Pharmaceutical Analysis
- Polymer and Materials Science
- Green Analytical Chemistry
- Environmental Science
- Food Safety and Authenticity
- Polymer Nanotechnology
- Computational and Chemometric Approaches
- Microscale Separation and Analysis

### ASIANALYSIS XVI 2023 International Advisory Board

- Prof. Kate Grudpan, Chiang Mai University, Thailand
- Prof. Justine Gooding, University of New South Wales, Australia
- Prof. Totaro Imasaka, Kyushu University, Japan
- Prof. Huangxian Ju, Nanjing University, China
- Prof. Hasuck Kim, Seoul National University, Korea
- Prof. Girish Kumar, Cochin University of Science and Technology, India
- Prof. Hian-Kee Lee, National University of Singapore, Singapore
- Prof. King-Chuen Lin, National Taiwan University, Taiwan
- Prof. Lehui Lu, Changchun Institute of Applied Chemistry, China
- Prof. Edison Munaf, Andalas University, Indonesia
- Prof. Mikhail Proskurnin, Lomonosov Moscow State University, Russia
- Prof. Hj Ibrahim Hj Abd Rahman, University of Brunei Darussalam, Brunei
- Prof. Israel Schechter, Israel Institute of Technology, Israel
- Prof. Fortunato B Sevilla III, University of Santo Thomas, Philippines
- Prof. Ting-Kueh Soon, Malaysian Institute of Chemistry, Malaysia
- Prof. Takashi Hayashita, Sophia University, Japan
- Prof. Pham Hung Viet, Vietnam National University, Vietnam
- Prof. Erkang Wang, Changchun Institute of Applied Chemistry, China
- Prof. Hitoshi Watarai, Osaka University, Japan

## ASIANALYSIS XVI 2023 - Symposium on Forensic Science

The Symposium on Forensic Science (SFS) 2023 is organized by IKM in collaboration with the Forensic Science Society of Malaysia (FSSM) in conjunction with ASIANALYSIS XVI 2023. We are indeed honoured and delighted to host the event physically, after the long period of COVID-19 pandemic. SFS 2023 provides a platform for professionals, practitioners, researchers, and academicians from the forensic science community to exchange their insights, views and experiences on the current and future developments for the advancement of forensic science services, research and innovation, as well as forensic education. SFS 2023 with the theme "Advancing Forensic Sciences" includes workshops organised by our industrial partner, and presentations from invited speakers, oral and poster presenters from various agencies and universities. We know the interdisciplinary nature of forensic science and the societal importance of forensic science. This symposium will certainly provide opportunities for deeper understanding and better communication among us. Please do not miss the opportunities to exchange information and contact details. We all know that networking is important to us, and therefore FSSM will continue to act as a facilitator to strengthen linkages among the key forensic science stakeholders. FSSM remains the platform for us to learn and establish inter-disciplinary collaborations, particularly in the post COVID future.

### Scientific Sessions

- Human Identification
- Forensic Toxicology
- Seized Drugs
- Explosives
- Fire Investigation
- Trace Evidence
- Questioned Documents
- Disaster Victim Identification
- Digital Forensics
- Forensic Medicine
- Crime Scene Investigation
- Expert Evidence in Court

## ASIANALYSIS XVI 2023 - Symposium on Halal Testing and Authenticity

The increasing demand for halal testing and authenticity, locally and globally, is in line with the tremendous expansion of the global halal market. By 2030, it is estimated that the global halal market will reach US\$7.7 trillion in value while the domestic market is estimated to reach US\$113.2 billion. In 2020, the halal cosmetics and pharmaceutical industries were valued at US\$39 billion and US\$97 billion respectively, while the global halal food industry was worth US\$1.6 trillion. It is expected to increase to US\$2.1 trillion by 2030. Halal testing is no longer viewed solely as a religious obligation. The halal standards and principles have grown favourable worldwide due to its quality assurance and its compulsion for *Toyyiban* that confers the principle of hygiene, nutritive and ethical consumerism which benefit every individual equally regardless of religion. Modern, reliable, sensitive, rapid and robust techniques which include RT PCR, LCMS-MS, GC-FID, ELISA, HPLC and FTIR are used in halal testing to ensure the accuracy of the results obtained. The Symposium on Halal Testing and Authenticity will highlight the latest technology, advancement and innovations in halal testing.

### Scientific Sessions

- Halal Science
- Halal Authentication
- Food Authentication
- Food fraud prevention
- Animal species identification
- Biomarkers
- Analytical methods for Gelatine Differentiation
- Alcohol Detection
- Alcohol Profiling
- DNA in Food Product
- Protein Analysis
- Acid amino markers
- Species-specific DNA markers
- Leather Identification
- Bristles Identification
- Halal and Chemometric Approaches



## 19<sup>th</sup> Asia-Pacific International Symposium on Microscale Separations and Analysis 2023 (APCE 2023)

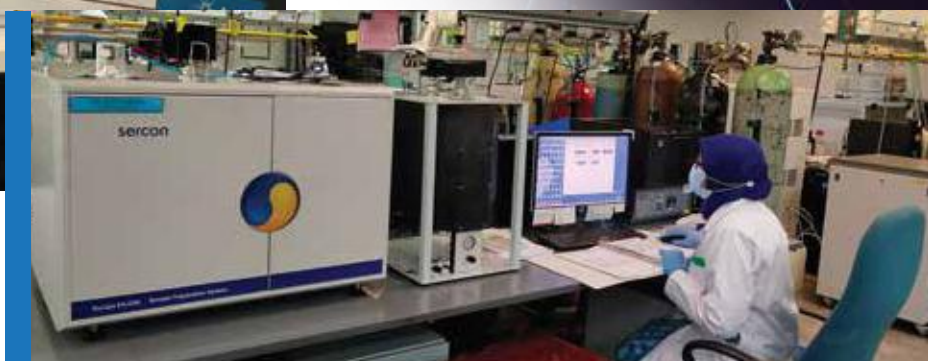
The APCE series has become one of the international conferences in Separation Science and Analytical Science as well as the related topics since the first symposium held in 1996 in Singapore. This symposium will focus on the fundamentals aspects of chromatography, mass spectrometry, electrophoresis, microfluidic chip, biosensor, GC/LC/ CE/chip-MS and sample pre-treatment. The emphasis will be paid on the relevant applications in genomics, proteomics, metabolomics, protein drug quality control, food safety, environmental analysis and biotechnology as well as medical analysis.

### APCE 2023 - Scientific Sessions

- Capillary and microchip electrophoresis
- Microfluidic and Lan-on-a-Chip
- Mass Spectrometry and CE/LC-MS
- Nanotechnology in all aspects of analytical chemistry
- Sample preparation or pre-treatment
- Applications of nanomaterials in sensing
- Applications in proteomics/metabolomics and other omics
- Applications in food sciences, environmental, and biotechnology
- Applications in pharmaceutical and biomedical analysis

### 19APCE 2023 International Advisory Board

- *Prof Dr Doo Soo Chung, South Korea*
- *Prof Dr Sam Fong Yau Li, Singapore*
- *Prof Dr Shu-Hui Chen, Taiwan*
- *Prof Dr Michael C Breadmore, Australia*
- *Prof Dr ChengXi Cao, China*
- *Prof Dr XiuLi Zhang, China*
- *Prof Dr Hong Heng See, Malaysia*
- *Prof Dr Takuya Kubo, Japan*
- *Prof Dr KihWan Choi, South Korea*



# CONFERENCE WEBSITE & REGISTRATION FEE



Scan Here  
to Register

Those interested to participate as oral or poster presenters are required to register at the [ASIANALYSIS XVI 2023 website - https://asianalysis2023.org](https://asianalysis2023.org)

Please complete the REGISTRATION FORM and together with the Registration Fee, submit to the ASIANALYSIS XVI 2023 / APCE 2023 Secretariat online. Only those who have paid their Registration Fees are considered as delegates to ASIANALYSIS XVI 2023 / APCE 2023.

Type of Registration	Early Bird (before 10 <sup>th</sup> July 2023)	Regular (from 10 <sup>th</sup> July 2023)
IKM Member (Malaysia)	RM1,200	RM1,300
Non IKM Member (Malaysia)	RM1,500	RM1,600
International Participant	USD600	USD700

The deadline for Early-Bird Registration is **9<sup>th</sup> July 2023**.

**Registration fee entitles the ASIANALYSIS XVI 2023 / APCE 2023 delegates to the following:**

- Attendance at all ASIANALYSIS XVI 2023 / APCE 2023 scientific sessions
- Lunches & Refreshments during ASIANALYSIS XVI 2023 / APCE 2023
- ASIANALYSIS XVI 2023 / APCE 2023 Banquet
- ASIANALYSIS XVI 2023 / APCE 2023 documents and materials

**CANCELLATION POLICY:** For cancellation, if written notice is received **by 9<sup>th</sup> July 2023**, a full refund, less a 10% administration charge, will be given. If written notice for cancellation is received **after 9<sup>th</sup> July 2023 but before 15<sup>th</sup> August 2023**, a 50% refund will be given. No refund will be made for cancellation **from 15<sup>th</sup> August 2023**. For no-shows at the conference, no refund will be made.

## PAYMENT METHOD

No registration will be confirmed until payment is received. Payment can be made by **Online Payment / Credit Card / Bank Transfer**.

Last Day for Abstract Submission = 15 Aug 2023  
Last Day for Registration & Fee Payment = 30 Sept 2023

Account Name/ Beneficiary: **Institut Kimia Malaysia**  
Account No: 3127 7310 17  
Bank Name: Public Bank Berhad  
Bank Address: Taman Tun Dr Ismail Branch, 66,68 & 70 Jalan Burhanuddin Helmi,  
Taman Tun Dr Ismail 60000 Kuala Lumpur  
SWIFT code: PBB EMYKL

**Note:** Please email the payment slip to the Secretariat at [secretariat@asianalysis2023.org](mailto:secretariat@asianalysis2023.org) or fax to **603-7728 9909**.

## ALTERNATIVE PAYMENT METHOD FOR MALAYSIAN PARTICIPANTS FROM GOVERNMENT AGENCIES

ePerolehan Number: eP-14000000L; Name: Institut Kimia Malaysia

iGFMS Vendor Name: Institut Kimia Malaysia



# PROGRAMME

## 16<sup>th</sup> Asian Conference on Analytical Sciences

### DAY

### PROGRAM OUTLINE

#### Day 1, Monday 9 Oct 2023

- Registration
- Welcome Reception
- Meeting of the International Advisory Board (Asianalysis XVI / APCE)

#### Day 2, Tuesday 10 Oct 2023

- Opening Ceremony + Plenary Lecture
- Asianalysis XVI 2023 Parallel Sessions
- APCE 2023 Parallel Sessions
- Symposium on Forensic Science

#### Day 3, Wednesday 11 Oct 2023

- Asianalysis XVI 2023 Parallel Sessions
- APCE 2023 Parallel Sessions
- Symposium on Halal Testing and Authenticity
- Symposium on Forensic Science
- Conference Banquet

#### Day 4, Thursday 12 Oct 2023

- Asianalysis XVI 2023 Parallel Sessions
- APCE 2023 Parallel Sessions
- Symposium on Halal Testing and Authenticity
- Closing Ceremony

*Refer to Conference website for details & updates.*

### TRAVELING TO MALAYSIA

Please refer to the Immigration Department of Malaysia website for more information on visa requirements by Country.

**Website:** [www.imi.gov.my/index.php/en/main-services/visa/](http://www.imi.gov.my/index.php/en/main-services/visa/)

The main gateway to Malaysia is through the Kuala Lumpur International Airport (KLIA) in Sepang, located about 50km south of Kuala Lumpur. The national carrier, Malaysia Airlines is part of the One World Alliance and has a global network that spans six continents and its subsidiary, Firefly, and budget airlines, AirAsia and Malindo Air, complement its routes. The KLIA2 is less than 2km away from the main terminal of KLIA and is the world's largest purpose-built terminal dedicated to low-cost carriers. Other major international airports that serve as entry points are situated in Penang; Johor Bahru; Kuching, Sarawak; Kota Kinabalu, Sabah; and the island of Langkawi. The main entry point to Malaysia by sea is Port Klang, about 50km away from Kuala Lumpur, Malaysia. Malaysia is also accessible by rail and road from Singapore and Thailand.

**Website:** <http://airports.malaysiaairports.com.my/>

### VENUE

The Kuala Lumpur Convention Centre is located in the heart of the city, as part of the Kuala Lumpur City Centre (KLCC) Precinct, overlooking the iconic PETRONAS Twin Towers and a lush 50-acre KLCC Park.

**Website:** [www.klccconventioncentre.com/](http://www.klccconventioncentre.com/)

### STAYING IN KUALA LUMPUR

From leading international, to budget and boutique accommodation, there are over 25,000 rooms available within walking distance and 4 onsite hotels at the Centre.

**Website:** [www.klccconventioncentre.com/visit/staying-in-kuala-lumpur](http://www.klccconventioncentre.com/visit/staying-in-kuala-lumpur)

### MORE INFORMATION / CONTACT US

#### ASIANALYSIS XVI 2023 / APCE 2023 Secretariat

c/o Institut Kimia Malaysia

127B, Jalan Aminuddin Baki, Taman Tun Dr Ismail, 60000 Kuala Lumpur, Malaysia

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Email: [secretariat@asianalysis2023.org](mailto:secretariat@asianalysis2023.org)

Conference website – <https://asianalysis2023.org>

