

REGISTRATION IS NOW OPEN!



AAMLs
2023

KUALA LUMPUR MALAYSIA



**7TH CONGRESS OF ASIA ASSOCIATION OF
MEDICAL LABORATORY SCIENTISTS (AAMLs)**

in conjunction with
**32ND NATIONAL SCIENTIFIC CONFERENCE OF
MALAYSIAN INSTITUTE OF MEDICAL LABORATORY SCIENCES (MIMLS)**



9-12 OCTOBER 2023 | WORLD TRADE CENTRE KUALA LUMPUR

Organised by:



mimls
MALAYSIAN INSTITUTE OF
MEDICAL LABORATORY SCIENCES
INSTITUT SAINS MAKMAL PERUBATAN MALAYSIA

Under the auspices of:



Asia Association of
Medical Laboratory Scientists



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FOR MORE INFORMATION: **AAMLs 2023** mimls.org/aamls2023

CONGRESS OVERVIEW

Congress Title	7 th Congress of Asia Association of Medical Laboratory Scientists (AAMLS) in conjunction with the 32 nd National Scientific Conference of MIMLS
Date	9 October (Monday) to 12 October 2023 (Thursday)
Venue	World Trade Centre Kuala Lumpur, Kuala Lumpur, Malaysia
Hosted By	Malaysian Institute of Medical Laboratory Sciences (MIMLS) under the auspices of Asia Association of Medical Laboratory Scientists (AAMLS)
Expected Number of Participants	1,000 participants from various countries across Asia
Language	English
Official Website	www.mimls.org/aamls2023
Secretariat	Malaysian Institute of Medical Laboratory Sciences (MIMLS) 1-5-14, Jalan Semarak Api (1/50), Diamond Square Commercial Centre, Off Jalan Gombak, 53000 Kuala Lumpur, MALAYSIA. Email: mymimls@mimls.org

ABOUT AAMLS

The Asia Association of Medical Laboratory Scientists (AAMLS) was inaugurated in Nagoya, Japan in 1997 representing medical laboratory scientists across Asia including Brunei, Hong Kong, Indonesia, India, Japan, Korea, Macau, Malaysia, Myanmar, Philippines, Singapore, Taiwan and Thailand.



The objectives of AAMLS are to elevate status of medical laboratory science in Asia and its neighbouring countries; to offer opportunities for exchange of information between countries; to enhance mutual understanding among medical scientists of member associations and work for mutual assistance and improvement of expertise technologies and to improve reliability on accuracy of medical laboratory tests through cooperation between countries.

The first AAMLS Congress was held in Kuala Lumpur, Malaysia in year 2001. The congress was originally held every 4 years – the 2nd congress in Shanghai, China in 2005, 3rd congress in Yokohama, Japan in 2009 and 4th congress in Singapore in 2013. It was then suggested by the AAMLS Board of Directors (BOD) that the congress to be a bi-annual event instead of every 4 years and subsequently an inaugural scientific conference of AAMLS was held in Yogyakarta, Indonesia in 2015. The 5th AAMLS congress was held in Busan, Korea in 2017 and followed by the 6th congress in Pattaya, Thailand in 2019.

In year 2018, the AAMLS BOD has entrusted Malaysia (MIMLS) with the privilege to once again host the AAMLS Congress in year 2021 (postponed to 2023 due to the pandemic). We are extremely excited to welcome the 7th AAMLS Congress and our Asian colleagues back to Kuala Lumpur, which marked 2 decades since the first congress was held in Kuala Lumpur in 2001.



REGISTRATION FEES

	Type of Registration	Early Bird (Before 31 Aug 2023)		Regular (Before 30 Sept 2023)		On-site (After 30 Sept 2023)	
		USD	RM	USD	RM	USD	RM
AAMLS Member	Participant	170	750	210	900	260	1,140
	Student	85	375	110	480	135	600
Non-AAMLS Member	Participant	210	850	260	1,140	310	1,360
	Student	100	430	125	560	150	650
Accompanying Person		100	430	150	650	200	870
Day Registration		60	250	60	250	60	250
Pre-Congress Workshop (9 th October)		50	200	60	250		
Workshop (10 th October)		50	200	60	250		
Gala Dinner		40	150	40	150		
Laboratory Visit		15	50	15	50		

- Registration as participant and student includes access to the entire scientific program from 10-12 October 2023 (excluding Pre-Congress Workshop, Gala Dinner and Laboratory Visit), Welcome Reception (by invitation only), Trade Exhibition, congress bag, program book and other congress materials.
- Registration as student is only applicable for undergraduate students who upload their latest copy of academic transcript during registration.
- Registration as accompanying person includes access to Trade Exhibition and Welcome Reception (by invitation) only.
- Rates in Ringgit Malaysia (RM) are applicable for Malaysians only.
- Registration cancelled before 30th September 2023 is eligible for 50% refund of the registration fees paid. Registration cancelled after 30th September 2023 is not eligible for any refund.



REGISTER ONLINE AT:
www.mimls.org/aamls2023

CALL FOR PAPERS

AAMLS 2023 invites submission for oral / poster presentations on all aspects of Medical Laboratory Sciences that have not previously been published or presented.

Guidelines For Abstract Preparation

Language	Abstract must be written and presented in English.
Title	Title of abstract should not exceed 30 words. Do not use abbreviations in the title.
Name	The authors are to write their name as Given name, Surname/Family name (e.g. Yun Fatt, Chow; Aminah Ahmad; Bhavani Muthusamy; Francis Light). Do not include titles and degrees. Please bold the name of the presenter.
Institution	List the author's institution by department, institution, city and country.
Abstract words	Abstract is to have 300-400 words.
Abstract body	Abstract is to have an introduction/aim, method, results, and conclusion.
Abbreviations	Define the abbreviation in the first use.
Data units	Data units must be in the International System of Units (SI units).
Keywords	Keywords must not be less than 3 words and not more than 5 words. Arrange the keywords in alphabetical order.
Font	Abstract to use font Times New Roman with a font size of 12 points.
Reproduce	Abstract reproduced will be as is submitted with no editing. The author is responsible for all spelling, grammatical or scientific errors.
Conflict of interest	The author must disclose conflict of interest to avoid any commercial bias.
Copyright	By submitting the abstract, the author grants the AAMLS 2023 the exclusive right to first publish the abstract and thereafter a non-exclusive right to publish, display and store the abstract in all forms, formats, and media. No fees shall be paid to the author by AAMLS 2023 for the license granted herein. The author will retain the copyright of his or her abstract as well.
Withdrawal	Authors who wish to withdraw their abstract must send a written request to the Scientific Committee at mimlsabs09@yahoo.com

ABSTRACT SUBMISSION

Use the following excerpt as a format guide:

INVESTIGATION OF THE CHROMOSOME 6 INSTABILITY AND THE MAPK SIGNALING PATHWAYS IN HUMAN OSTEOSARCOMA

¹ M. Rozi Ramli, ² **M.M. Hamdi**, ³ Mohd Aminudin Mustapha
⁴ Mohamad Zulkarnaen Ahmad Narihan

¹Department of Pathology, Sarawak General Hospital (SGH), Jalan Hospital (SGH), Jalan Hospital, 93586 Kuching, Sarawak.

²Department of Para-Clinical Science, Faculty of Medicine and Health Sciences (FMHS), UNIMAS, 94300 Kota Samarahan, Sarawak.

³Pre-University Centre, UNIMAS, 94300 Kota Samarahan, Sarawak.

⁴Department of Pathology, FMHS, UNIMAS, 94300 Kota Samarahan, Sarawak.

*Presenter's email: mmhamdi@fmhs.unimas.my

Abstract

Osteosarcoma is the most common primary malignancy of bone with worldwide incidence of 2 to 3 million/year. This tumour usually develops at distal part of fast growing bone and associated with instability of chromosome 6. Despite that, the preceding molecular mechanism leading to the instability is not fully known. Following the local ethical committee review, from a total of 30 cases within 7 years period (from October 2008 to October 2015). The study aimed to investigate the copy number of gene encoding vascular endothelial growth factor (VEGF) located at chromosome 6p21 using Fluorescence In Situ Hybridization (FISH) and the general chromosomal instability as indicated by micronuclei formation. In addition, VEGF, Hypoxia inducible factor (HIF) and p53 diagnostic immunohistochemistry (IHC) staining were performed as to investigate relationship of hypoxic stress and tumour growth suppress. Furthermore, the mitogen activated protein kinase (MAPK) cellular proliferation pathway molecules; ERK, p38 and JNK IHC were also examined. Our findings showed VEGF expression at both protein and gene level (6p21) indicating likelihood of neovascularization. On top of that, expressed ERK, p38 but not JNK; and expressed HIF & p53 in those cases suggest tumour cell survival by evading the natural cell death program, apoptosis. In conclusion, this study presented a possible molecular mechanism underlying chromosomal instability in human osteosarcoma.

Keywords: Osteosarcoma; mitogen activated protein kinase; chromosomal instability; 6p21

ABSTRACT REVIEW AND SELECTION

Authors are encouraged to submit full paper and if selected by the Editorial Board, will be published as proceedings in the Malaysian Journal of Medical Laboratory Sciences (MJMLS).

The AAMLS 2023 Scientific Committee reserves the right to select papers relevant to the session. Presenters may present papers without having their papers published in congress proceedings or MJMLS.

IMPORTANT DATES

Abstract Submission Deadline	30 July 2023
Presenter Registration Deadline	31 August 2023
Presentation File Submission Deadline	8 September 2023



TO SUBMIT AN ABSTRACT:

Register for the Congress and login using your registered email address to upload your abstract online under '**Abstract Submission**' section (My Page)

PROGRAM AT A GLANCE

MONDAY, 9TH OCTOBER

TIME	TUN DR. ISMAIL HALL A	TUN DR. ISMAIL HALL B	TUN HUSSEIN ONN HALL A	TUN HUSSEIN ONN HALL B	TUN RAZAK HALL 4
12:00-13:30	Registration of Delegates and Lunch				
13:30-17:30	Pre-Congress Workshop 1	Pre-Congress Workshop 2	Pre-Congress Workshop 3	Pre-Congress Workshop 4	Set Up for Trade Exhibition (For Trade Exhibitors Only)

TUESDAY, 10TH OCTOBER

TIME	MERDEKA HALL	TUN DR. ISMAIL HALL A	TUN DR. ISMAIL HALL B	TUN HUSSEIN ONN HALL A	TUN HUSSEIN ONN HALL B	JOHOR ROOM	TUN RAZAK HALL 4
08:00-09:00	Registration of Delegates / Arrival of Guests						
09:00-10:30	7 th Congress of AAMLS Opening Ceremony	Workshop/Session by Association	Workshop/Session by Association	Workshop/Session by Association	Workshop/Session by Association		Posters and Trade Exhibition
	Keynote Lecture						
10:30-11:00	Coffee Break						
11:00-12:30	Plenary Lecture 1 and Plenary Lecture 2						
12:30-14:00	Lunch Break						
14:00-17:30		Symposium 1: Healthcare Innovations and Technologies	Symposium 2: Disease Prevention and the Roles of Laboratory Medicine	Symposium 3: Updates in Pathology	Symposium 4: Microbiology and Parasitology	AAMLS BOD Meeting	
17:30-20:00	Welcome Reception (By Invitation Only)						

WEDNESDAY, 11TH OCTOBER

TIME	MERDEKA HALL	TUN DR. ISMAIL HALL A	TUN DR. ISMAIL HALL B	TUN HUSSEIN ONN HALL A	TUN HUSSEIN ONN HALL B	KUALA LUMPUR ROOM	TUN RAZAK HALL 4
08:00-09:00	Registration of Delegates						
09:00-12:00	Selected Topic					Student Forum	Posters and Trade Exhibition
	AAMLS General Meeting of Representatives	Symposium 5: Updates on Infection and Immunity	Symposium 6: Biomedical Lab Education	Symposium 7: One Health	Symposium 8: Medical Device Regulations and Point of Care Testing		
12:00-12:30		Industrial Sponsored Talk 1	Industrial Sponsored Talk 2	Industrial Sponsored Talk 3	Industrial Sponsored Talk 4		
12:30-14:00	Lunch Break						
14:00-17:00	Laboratory Visit (For Registered Participants Only)	Symposium 9: Laboratory Management	Symposium 10: AAMLS Invited Speakers	Symposium 11: Haematology and Transfusion Medicine	Symposium 12: Immunology and Clinical Chemistry	Student Forum	
17:00-17:30							
19:00-22:00	Gala Dinner						

THURSDAY, 12TH OCTOBER

TIME	MERDEKA HALL	TUN DR. ISMAIL HALL A	TUN DR. ISMAIL HALL B	TUN HUSSEIN ONN HALL A	TUN HUSSEIN ONN HALL B	KUALA LUMPUR ROOM	TUN RAZAK HALL 4
08:00-09:00	Registration of Delegates						
09:00-11:00		Symposium 13: Prospects for Medical Laboratories: The Asian Experience	Symposium 14: AAMLS Invited Speakers	Symposium 15: Precision Medicine and Genetics	Symposium 16: Updates on ISO15189 Laboratory Quality Management	Student Forum	Posters and Trade Exhibition
11:00-12:30	Announcement of AAMLS 2025 and Closing Ceremony						
12:30-14:00	Lunch and End of Congress						
14:00-16:00	MIMLS 31 st Annual General Meeting						

Note: The Organiser reserves the right to alter the programme in the best interest of the congress and shall not be held responsible for any cancellation due to unforeseen circumstances.

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SPEAKER'S CV

10th October 2023 (Monday)

Time	Topic, Speaker and CV
10:00-10:30	<p>Keynote Lecture: The Changing Landscape of the Medical Laboratories: What's the New Normal? Dr Tengku Norita Tengku Yazid Head of National Pathology Services, Ministry of Health Malaysia</p> <p>Dr Tengku Norita Binti Tengku Yazid is a pathologist based at Hospital Selayang in Batu Caves, Selangor. Her area of expertise is in Chemical Pathology. She is currently the Vice President of the College of Pathologists: Council 2022 – 2024. Her work with researchers on various infectious diseases has resulted in ISI indexed publications and poster presentations at numerous scientific conferences. She has also had the honour of being an invited guest speaker at seminars and conferences, to share her experiences and knowledge.</p>
11:00-11:45	<p>Plenary Lecture 1: Roles of Medical Testing in Enhancing Country's Healthcare Reform in the 21st Century Dr Rabindra Abeyasinghe World Health Organisation (WHO) Representative to Malaysia, Brunei Darussalam and Singapore</p> <p>Dr Rabi Abeyasinghe is currently working as the WHO Representative and Head of the WHO Country Office to Malaysia, Brunei Darussalam and Singapore based in Kuala Lumpur Malaysia since 22 January 2022. In his position as Head of WHO Office, he leads strategic and policy dialogues with ministries of health and partners.</p> <p>Before assuming his current post Dr Rabi Abeyasinghe functioned as WHO Representative and Head of WHO Country Office Philippines till January 2022. He was also acting Director Health Security an Emergencies at World Health Organizations Regional Office for the Western Pacific (WPRO) based in Manila, Philippines from 30th April 2020 to 21st June 2020, supporting the regional response to COVID-19. Prior to joining Country Office Philippines in 2019 he was Coordinator, Malaria Other Vector borne and Parasitic Diseases at WPRO. He has served WHO since 2011 in various capacities including acting Director Communicable Diseases WPRO (May to October 2018, May to July 2019), Regional Entomologist WPRO and Technical Officer Malaria in CO Papua New Guinea.</p> <p>Rabi is a Medical Specialist MD (Community Medicine) from the University of Colombo, Sri Lanka. Additionally, he has a MSc in Biology & Control of Disease Vectors from the London School of Hygiene & Tropical Medicine, and a Diploma in Tropical Medicine & Hygiene from the Royal College of Physicians, London. He has nearly 30 years of experience in control of vector borne diseases and held several senior positions in the Ministry of Health Sri Lanka including Director National Malaria Control Programme and Project Director, GFATM Projects.</p> <p>He is a Fellow of the College of Community Physicians of Sri Lanka and a past President of the College of Community Physicians of Sri Lanka. He was a Senior Fellow of the Postgraduate Institute of Medicine, University of Colombo, Sri Lanka and Advisory Board Chair of the Asia Pacific Malaria Elimination Network.</p>

11:45-12:30	<p>Plenary Lecture 2: Global Infectious Diseases Elimination in the Next Decade Prof. Dato' Dr Adeeba Kamarulzaman President and Pro Vice Chancellor of Monash University Malaysia</p> <p>Professor Dato' Dr Adeeba Kamarulzaman is the Chief Executive Officer of Monash University Malaysia and the Pro Vice-Chancellor and President (Malaysia) of Monash University Australia. A graduate of Monash University Australia and trained in internal medicine and infectious diseases, she established the Infectious Diseases Unit and the Centre of Excellence for Research in AIDS (CERiA) at the University of Malaya, the only multidisciplinary research centre in Malaysia dedicated to HIV research in the community. Adeeba held the position of Dean, Faculty of Medicine, University of Malaya, from 2011 to 2019. In this position, her transformational leadership was evident through her robust medical undergraduate and postgraduate curriculum reforms.</p> <p>Prof. Adeeba is also the Immediate Past President of the International AIDS Society. She was President of the Malaysian AIDS Council from 2006 to 2010 and, in this capacity, was involved in advocating for and overseeing the implementation of community-based HIV and AIDS programmes across the country. She remains Chairman of the Malaysian AIDS Foundation, a trust that raises funds for HIV prevention, treatment and care programmes implemented by the Malaysian AIDS Council. She is presently Vice-Chair of the WHO Science Council and Commissioner for the Global Commission on Drug Policy and was recently appointed as a Member of the UNAIDS Global Council of Inequality, AIDS and Pandemics.</p> <p>Her achievements have been recognized with several national and international awards, including an Honorary Doctor of Laws from Monash University for her contributions to medicine and as a health advocate.</p>
14:00-14:30	<p>The Digitalization Technology Leap: Setting New Healthcare Standards Prof. Dr Abdul Aziz Baba Vice-Chancellor and Chief Executive Officer, International Medical University</p> <p>Prof. Dr Abdul Aziz Baba is currently President of the International Medical University (IMU) Health Group and Vice-Chancellor/Chief Executive Officer of IMU. He is also Chairman of the Board of Directors of the International Medical College (IMC). He oversees and is responsible for the entities under the IMU Health Group, namely, IMU, IMC and IMU Healthcare. As Vice-Chancellor and CEO of IMU, he provides institutional leadership and oversight, developing and driving the mission, strategies and direction of the university.</p> <p>Prof Dr Abdul Aziz has wide experience in medical education. He held various leadership positions within the Medical School of University Sains Malaysia (USM), as Dean, Deputy Dean and Head of Department of Medicine. He has been a member of the Council of Medical School Deans of Malaysia as well as the Malaysian Medical Council from 2006 to 2013. He is a committee member of the MMC/MQA/JPA Joint Technical Committee and he was elected as a Council Member of the Vice-Chancellors of Private Universities Council in January 2019. He is also on the technical expert panel (Medicine) for the MQA.</p>
14:30-15:00	<p>Reformation of Medical Labs through Digitalisation and Healthcare Financing YB Datuk Seri Dr Dzulkefly Ahmad Member of Parliament for Kuala Selangor and Former Minister of Health Malaysia</p> <p>Datuk Seri Dr Dzulkefly Ahmad is a Malaysian politician who has served as the Member of Parliament (MP) for Kuala Selangor since May 2018 and from March 2008 to May 2013. He served as the Minister of Health in the Pakatan Harapan (PH) administration under former</p>

	<p>Prime Minister Tun Dr Mahathir Mohamad from May 2018 to February 2020. Dr Dzulkefly holds a bachelor's degree from the University of Birmingham and a master's degree from the University of Surrey. He later completed his doctorate in toxicology from the Imperial College (St. Mary's Hospital Medical School) in 1993.</p> <p>Dr Dzulkefly was a lecturer at the Faculty of Medical Sciences, Universiti Sains Malaysia (USM) in Penang (1984-1989) and HUSM, Kelantan (1993-1997). He became a lecturer of Islamic civilization at USM (1987-1997). Dzulkefly is a former member of the British Toxicology Society (BTS) and the former Asia Pacific Association of Medical Toxicology (APAMT). He is also the founder and Chairman of Jaiputra College Management Board, Kelantan (1999-2003), the first IPTS fully accredited by the Ministry of Education which conducts an integrated course of professionalism and religion. He is also a Consultant in an asset management company in Kuala Lumpur (1999-2001), a former Director (2003-2004) of a Public-Listed Company (PLC-Main Board). Senior Advisor of a Saudi-owned real estate company in Kuala Lumpur (2005-2007). International Education Company director, based in Oman (2017- now).</p>
15:00-15:30	<p>How Artificial Intelligence Changes Pre, Post and Analytical Practices in Laboratory Medicine?</p> <p>Dr Malay Singh Senior Scientist, Computer Vision and Pattern Discovery (CVPD) Group, Bioinformatics Institute (BII), Agency for Science, Technology and Research (A*STAR) Singapore</p> <p>Dr Malay Singh is a Senior Scientist at the Computer Vision and Pattern Discovery (CVPD) group of the Bioinformatics Institute (BII), A*STAR). His current research focuses on applications of image processing, computer vision, machine learning, pattern recognition, and mathematical modeling in biological and biomedical image analysis and informatics. Prior to joining BII in May 2021, he was a Research Fellow (Post-doctoral) at the Computational & Molecular Pathology Lab (CMPL) of Institute of Molecular and Cell Biology (IMCB, A*STAR) from May 2018 to April 2021.</p> <p>He completed his Ph.D. studies in Digital Pathology encompassing Computer Vision and Machine Learning problems under supervision of Dr. LEE Hwee Kuan and Prof. SUNG Wing-Kin, Ken at the Computer Vision and Pattern Discovery (CVPD) group of the Bioinformatics Institute (BII, A*STAR) and Department of Computer Science, School of Computing, National University of Singapore.</p>
16:00-16:30	<p>The Role of Big Data Analytics in Digital Health for Pandemic Prevention and Control in Asia</p> <p>Assoc. Prof. Dr Rosliza Abdul Manaf Deputy Dean, Faculty of Medicine & Health Sciences, Universiti Putra Malaysia</p> <p>Dr Rosliza is a public health physician and a medical lecturer, with experience conducting community health research in Malaysia, Indonesia, Nigeria, and Saudi Arabia. She has been involved in both quantitative and qualitative studies in family health issues, including sexual women's health, family planning, HIV prevention as well as health system research. She obtained her MBBS from the University of Malaya in 1997, Master of Public Health from Universiti Kebangsaan Malaysia in 2006, and her Ph.D. in Public Health from the University of Otago, New Zealand in 2015.</p> <p>She had served the Ministry of Health Malaysia from 1997 to 2009. She has contributed significantly in training the undergraduates as well as the postgraduate students for the past 10 years and she has played an important role in the development and implementation of the training and research programs in the faculty. At the National level, she has received regular invitations to collaborate with the Ministry of Health in various</p>

	<p>projects including the National Health and Morbidity Survey in 2016, and currently a member of the Country Coordination Mechanism Malaysia.</p>
16:30-17:00	<p>Genomics: Latest Developments in the Field and Applications</p> <p>Dr Kumitaa Theva Das Senior Lecturer, Advanced Medical and Dental Institute (AMDI), Universiti Sains Malaysia</p> <p>Dr Kumitaa is a Senior Lecturer at the Advanced Medical and Dental Institute (AMDI), Universiti Sains Malaysia. She spent almost a decade in the US working with some of the best minds in the fields of genome editing and HIV/AIDS, where her research focuses on using CRISPR as a gene therapy approach for HIV cure. She had the opportunity to travel the world and trained by some of the most inspirational researchers, including Françoise Barré-Sinoussi, the Nobel Laureate who discovered HIV. Since returning to Malaysia, She has also integrated the information learned from working with people living with HIV to ensure that gene therapy policies are improved to make it accessible to those in the low and middle-income countries. Working hand-in-hand with the International AIDS Society, she also spends a portion of her time creating awareness on therapeutic approaches to HIV, drawing lessons from those who have been successfully cured. While she serves as a consultant and sit on policy-based committees, she also always try to give back to the community as knowledge is a powerful tool.</p>



Harvinder Kaur Lakhbeer Singh started her career as a medical laboratory technologist in Medical Microbiology in August 1998. Harvinder's interest in biosafety and biosecurity was sparked during the Nipah endemic outbreak, culminating in a master's of science degree in Occupational, Health and Safety Management (UUM Msc). Harvinder has also undergone training and certification by CRDF Global, and is a Registered Biosafety Professional (RBP). Besides, possessing knowledge of many quality issues in the clinical laboratory, including ensuring compliance with all regulatory requirements, she is also well versed in conducting gap analysis, developing, implementing and maintaining a quality management system in the laboratory. Her work with researchers on various infectious diseases has resulted in ISI indexed publications and poster presentations at numerous scientific conferences. She has also had the honour of being an invited guest speaker at seminars and conferences, to share her experiences and knowledge.

Harvinder is also involved in teaching of the medical laboratory technologist students, Biomedical as well as Masters of Pathology (M-Path) students. Harvinder is on the working committee of the Occupational Health, Environmental and Safety Services, (OSHE) of PPUM. She is also on the working committee of University Malaya's Institute of Biosafety and Biosecurity.

Harvinder's credentials also include being appointed on the national level as a Committee Member involved in the Allied Health Profession Act for the Medical Laboratory Technologist Profession in Malaysia and is a registered HRDF Trainer.