

FOMBN MAHSA Newsletter



Faculty of Medicine,
Bioscience and Nursing
June 2022
Issue 2

Faculty of Medicine, Bioscience and Nursing
MAHSA University, BSP, Selangor
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Opening Message

Dear Colleagues and Students,

One of the highlights of this year is our online MAHSA International Medical Technology Conference (Mi-Med) 2022 (July 22 and 23, 2022) that is an annual event that showcases our research capability and potential. This conference provides opportunities for staff and students to share their research experiences and network with other researchers from around the world. We also have the opportunity to bring in experts in medicine, bioscience and nursing to share their thoughts on current issues affecting our disciplines. All of these experiences will be compiled and published in our very own journal: *MAHSA International Journal of Health and Medicine* (Mi-JHM) (e-ISSN No.: 2805-5705).

We are extremely proud to be able to host this annual international scientific conference that reflects the Vision and Mission of MAHSA University:

VISION:

- To be the centre of excellence in Higher Education in the region.

MISSION:

- To ensure the delivery of high-quality learning coupled with hands-on training through qualified, dedicated and experienced educators.
- To produce competent and highly skilled professionals who can prove their worth by contributing to their countries in smart and innovative ways.
- To provide state-of-the-art facilities to ensure the desired standards in education.
- To facilitate and enhance local and international networking for students and staff.
- To enhance and provide research and innovation opportunities at all levels.

The SCOPE of this conference is to promote research and innovative ideas in diverse areas of Medicine, Nursing and Biosciences. These ideas should align with the needs of the community and society and demands from the industries [4th Industrial Revolution (IR)] and international global strategies including the Sustainable Development Goals (SDGs).

Objectives of Mi-Med 2022: 1. To provide a platform for researchers, academicians and practitioners, globally, to share their research findings in Medicine, Nursing and Biomedical sciences. 2. To integrate knowledge and expand the current practice of Medicine, Nursing and Biomedical Sciences including solutions for current problems. 3. To establish networking and collaboration with other universities and industry experts.

MAHSA University is privileged to have a strong team of dedicated researchers and postgraduate students who are ambitious to pursue academic and research excellence in the medical, biomedical and nursing schools under the Faculty of Medicine, Bioscience and Nursing. We certainly welcome all postgraduate students to undertake postgraduate training in the FOMBN at the Masters level [Master of Medical Sciences (Mixed Mode), Master of Medical Sciences (Anatomy), MSc Public Health (including ODL)] and PhD by Research. We also offer PhD in Nursing under the School of Nursing.

This online international conference is an annual conference dedicated to respond to the ever-changing landscape of medicine and health in the world and especially those affecting the health of nations in the Asia Pacific region.

As the theme of the conference (“SUSTAINABLE HEALTH IN THE POST PANDEMIC ERA”) suggests, we are still facing the onslaught of Covid-19 post-pandemic. We still need strong governmental and industrial intervention to promote sustainable health and wellness during this period of recovery. Omicron BA.5, a new variant of Covid-19, is a continuing challenge globally and poses a threat to our waning immunity. We are also witnessing possible rising incidences of the “long Covid” that will be a continuing health issue to the nation. Possible long-term side effects of the vaccines must also be taken into account. There is also a continuing concern of boosting our waning immunity in order to survive and lead new normal lives again.

Therefore, this conference is an important contribution to address the sustainability of our lives post pandemic and to share new research developments and directions for our nations.

I would like to take this opportunity to thank MAHSA University, Our Chairman (PROF. TAN

SRI DATUK DR. HJ. MOHAMED HANIFFA BIN HJ. ABDULLAH) and Senior Management, our Vice Chancellor (Prof Dato Dr Ikram Shah Ismail), Prof Dr Srikumar Chakravarthi, Director, Postgraduate Studies, Research and Innovation, and especially my hard-working Organizing Committee for their tireless and continuing effort to ensure the success of Mi-Med 2022. Special thanks to MACS and MARCOM for facilitating the conference. Finally, my gratitude to all staff and postgraduate students that have responded to the clarion call to support our very own international conference. We succeeded in organizing 6 keynote sessions, 3 plenary sessions and 59 research parallel presentations. Heartiest congratulations to everyone for your contributions!

To all delegates and speakers, I wish all of you success and superb networking. I sincerely hope and pray that Mi-Med 2022 will contribute towards sustainable health in the post-pandemic era.

Thank you.

Warmest regards,



Prof Dr Rusli Bin Nordin

MBBS (Monash); MPH (Malaya); DrMedSc (Tokyo); GCHE (Monash); HonFFOM (Ireland); FAOEM (Malaysia); FPHM (Malaysia); FRSPH (UK); FAPA-PFAW (Australia); AM (Malaysia)

Dean

Faculty of Medicine, Bioscience and Nursing

MAHSA University



Continuing Medical Education (CME) and Professional Development, SOM Faculty of Medicine, Bioscience and Nursing, MAHSA University

The objective of the CME/CPD is to maintain professional competence of the Academicians of the University by providing a broad range of evidence-based learning opportunities, keeping them informed of the improvements in technology and medicine and their impact on the professional activities. Our CME team conducts these CME events in face to face and online platforms. The Office of Continuing Medical Education & Professional Development at the University of MAHSA is fully accredited by the Malaysian Medical Association (MMA) and is an accredited CPD provider.

Prepared by Dr. Deepa Anbazhagan

Summary of the approved CME events for the second quarter of the year 2021-22

 <p>87th CME - 1st Apr 2022 Management of Type 2 Diabetic Mellitus during the Holy Month of Ramadan Assoc. Prof. Dr. Mohammed Shahjahan Kabir, Associate Professor of Medicine, Perdana University - RCSI, Kuala Lumpur, Malaysia.</p>	 <p>88th CME - 15th Apr 2022 Update on Heart Failure - The New Guidelines Assoc. Prof. Dr. Dr. Rahal, Medicine, Faculty of Medicine, Bioscience and Nursing, MAHSA University</p>
<p>89th CME - 6th May 2022 Discovery of Natural Products and Industry 4.0 Assoc. Prof. Chin Jin Han, Associate Professor of Biochemistry, FOMBN, MAHSA University</p> 	<p>90th CME - 20th May 2022 Item writing guidelines on MCQs in Medicine Assoc. Prof Dr. Chitra Govindaraja, Unit of Pharmacology, Faculty of Medicine, Bioscience and Nursing, MAHSA University</p> 



91st CME - 03rd Jun 2022

Research opportunities in cardiac sciences and top 5 challenges faced in cardiac surgery

Prof. Dr. Baskar Ranjith Karthekeyan,
Professor & Head, Department of Cardiac Anesthesia,
Sri Ramachandra University,
Chennai, India.



92nd CME - 17th Jun 2022

Wound healing activity of *Melastoma malabathricum*

Assoc. Prof. Dr. Madhu Katyayani Balijepalli, Unit of Pharmacology, Faculty of Medicine, Bioscience and Nursing, MAHSA University

Upcoming Events

1st July 2022:

- Resilience and mental health by Ms Sharon L How, Unit of Psychiatry, Faculty of Medicine, Bioscience and Nursing, MAHSA University, Selangor

Upcoming Events

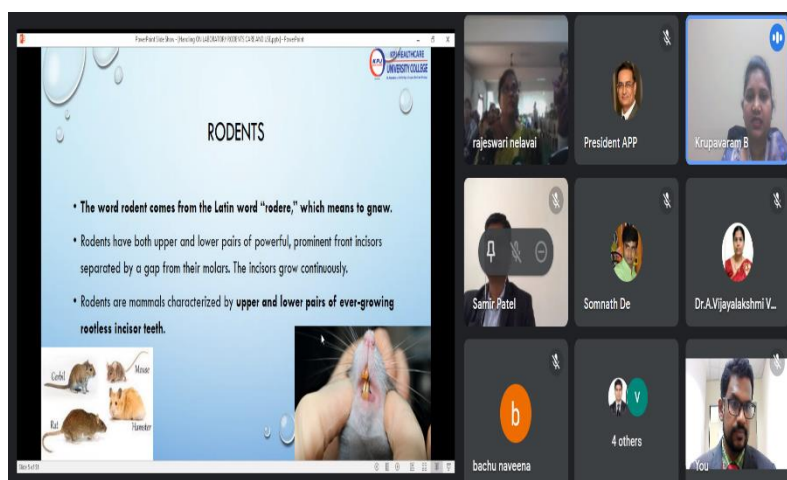
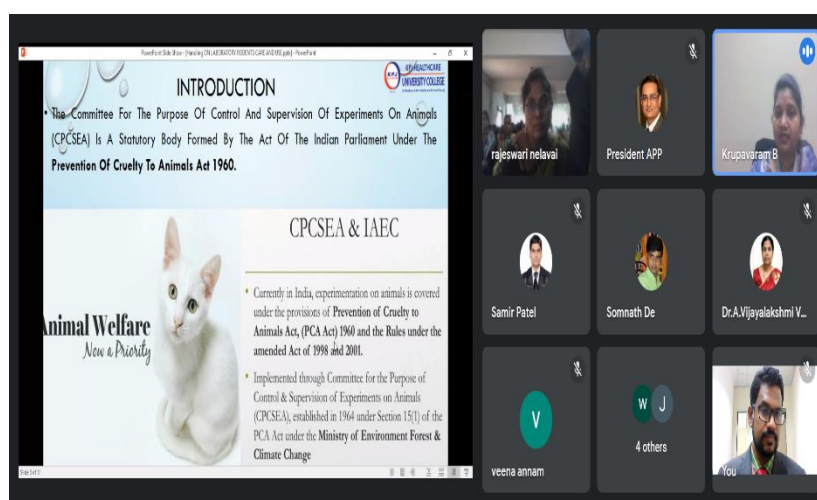
15th July 2022:

- Early Recognition of Head and Neck Malignancies by Assoc. Prof. Dr. Nilar Khin, Unit of ENT, Faculty of Medicine, Bioscience and Nursing, MAHSA University, Selangor

Recent Advances & Challenges in Pharmacology & Pharmaceutical Sciences, July 8, 2022 International Conference 2022

Pharmaceutical sciences combine scientific aspects that are critical in the development and manufacture of new drugs, the handling of medicines and medical devices. Pharmacology is the branch of biology concerned with the study of drug action, where a drug can be broadly defined as any man-made, natural, or endogenous molecule that exerts a biochemical or physiological effect on a cell, tissue, organ, or organism.

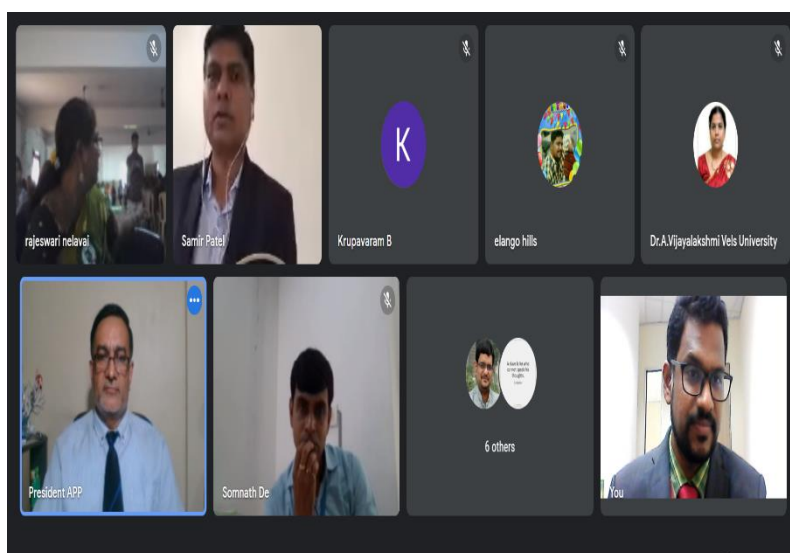
There are many chemicals with pharmacological properties that need special measures to help them achieve therapeutically relevant amounts at their sites of action. Pharmacognosy is the study of medicines or crude drugs produced from natural sources such as plants, microbes, and animals. Biotechnology is a science-driven industry sector that uses living organisms and molecular biology to produce healthcare-related products.



The most prominent area of biotechnology is the production of therapeutic proteins and other drugs through genetic engineering. Furthermore, pharmacology is the study of the interactions that occur between a living organism and chemicals that affect normal or abnormal biochemical function. At the present conference,

pharmaceutical experts from diverse international and national organisations will address the diverse aspects related to pharmacology and pharmaceutical sciences.

Association of Pharmacy Professionals (APP) is a unique organization of more than 1500 dedicated professionals willing to serve people from various areas, including students, teachers, researchers, scientists, and industry professionals. APP aids in extending the knowledge and facilities of several technical institutes, industries as well as health sectors to the remote areas where the service and live functionality of the pharmacy profession is the real need. This humble act might be in the form of academic, research, or health-related activities. The association also shares the responsibilities of professionals towards the community and social liabilities. APP accesses the availability of expertise when it's needed and ensures that the systematic teaching learning activities not only occur but also reach the common knowledge development system by acting as a source of fulfillment.



Welcome Speech & Opening Remarks Prof. G.H. Srinivasa Rao, Patron & Correspondent, Saastra College of Pharmaceutical Education and Research, Nellore (AP) DR. Suresh V. Chennupati, National Head, APP AnalChem Division, Nalanda College of Pharmacy, Charlapally, Nalgonda, Telangana Dr. Vetriselvan Subramaniyan (Virtual) Vice President, APP Malaysian International Branch, Faculty of Medicine, MAHSA University, Kuala Lumpur, Malaysia.

Vote of Thanks by Dr. Rajiv Dahiya, Founder and President, APP Convener & Director, School of Pharmacy, Faculty of Medical Sciences, The University of the West Indies, Trinidad & Tobago.

Medical Camp 1.0 – First Post-Pandemic Session MAHSA Medical Society (MedSoc) Activities, SOM

For 2022, MedSoc MAHSA have managed to resume the running of their medical camp, which was their first session post-COVID-19 pandemic.



The session was held on the 14th of May 2022 from 9 am to 2 pm, at Surau Al-Ikhlas in Bandar Saujana Putra, Jenjarom, and was manned by 15 students who were in various stages of their medical training. They were supported by a member of the MAHSA Academic staff, Prof. Dr. Jamaluddin Hj Mohamad.

The medical camp was set up as a means of clinical exposure for our medical students, which included having contact with 'real' patients to talk to and examine. During the pandemic, many of these types of activities were put on hold for obvious reasons, and this had left students at a further disadvantage when it came to having sufficient clinical exposure. Here, medical students were able to discuss health concerns with the patients and perform simple health education under the watchful eye of Prof. Jamal. Most of the people who came to have consultations were residents in the area. It was mutually beneficial for the residents as well as the students, in addition to highlighting the MAHSA name to outsiders.



MedSoc hopes to have many more camps like this one in the future as things slowly going back to normal. These kinds of activities can play a good supportive role to formal medical education and help shape well-rounded medical students.

Prepared by MedSoc Mahsa team

Emergency 999 – Webinar By AMSA MAHSA Medical Society (MedSoc) Activities, SOM

The poster features logos for AMSA MAHSA, AMSA USM KK, MAHSA MEDSOC, and MAHSA SRC at the top. The main title 'EMERGENCY 999 WEBINAR' is prominently displayed in a stylized font. Below the title, the date '27 May 2022 (Friday)' and time '20:00 PM - 22:15 PM (MYT)' are listed, along with a 'Webex' icon. A large red 'FREE' stamp is placed on the right side. The poster lists three speakers with their titles and affiliations: Prof. Dato' Dr. Nik Hisamuddin Nik Ab Rahman (Director of Hospital Universiti Sains Malaysia), Associate Prof. Dr. Tuan Hairulnizam Tuan Kamauzaman (Senior Consultant, Emergency Department HUSM), and Dr. Mohamad Masykurin Mafauzy (Emergency Physician, Emergency Department HUSM). A QR code is provided for registration, with the text 'SCAN TO REGISTER NOW!' and 'Registration link is also available in our Instagram bio!'. Social media handles for @amsa_mahsa and AMSA MAHSA are listed at the bottom.

In conjunction with the World Emergency Medicine Day 2022, on the 27th of May 2022, AMSA MAHSA in collaboration with AMSA USM Kubang Kerian, MAHSA Medical Society & MAHSA SRC successfully organised an initiative called "Emergency 999". This was run as a virtual webinar from 7:30 pm to 10:15pm, and was attended by a total of 302 participants, who consisted of both USM and MAHSA medical students, as well as members of the public.



Group photo session with the speakers and participants during the webinar on the 27th May 2022.

This initiative by AMSA MAHSA consisted of a webinar on 2 talks, namely “Basic Life Support” by Assoc. Prof. Tuan Hairulnizam, Emergency Physician from HUSM, and “Trauma & Emergency Management” by Dr Masykurin Mafauzy, Emergency Physician from HUSM. The webinar itself was officiated by Prof. Dato’ Dr Nik Hisamuddin Nik Ab Rahman, the Hospital Director of HUSM and also one of the senior Emergency Physicians in HUSM. These talks were followed by a Q&A session with the 3 guest speakers.

It was a very successful event with the highest turn-up rate amongst all of the events organized for the past 3 years by AMSA MAHSA, & lots of positive feedback was given by the participants, who had gained fruitful knowledge from the experienced speakers. Small tokens of appreciation were also given to the speakers, who had taken time out from their busy schedules to educate the participants.

We hope that more insightful webinars and activities will be implemented in future in order to spread knowledge and to nurture awareness on more health-related conditions amongst students in MAHSA University and also the public in general.

Prepared by Ms. Hany Ameera and AMSA Mahsa

The Evolution of Malaysian Nurse Uniform Exhibition National Museum, Kuala Lumpur, SON

On June 12th, 2022 (Sunday), 9 nursing students from the Diploma in Nursing program, School of Nursing, chaperoned by Mr. Sebastian Ng, participated in a programme organised by the Nursing Division, Ministry of Health Malaysia to commemorate the celebration of International Nurses' Day on May 12th, 2022. Part of the activity was a month-long exhibition on "The Evolution of Malaysian Nurses' Uniform in the Ministry of Health Malaysia" held at the National Museum of Malaysia (Muzium Negara).



Group photo in front of National Museum

The objective of this program was to give insight to the public as well as nurses on the nursing profession in general and the evolution of nurses' uniforms over time in Malaysia. It also acts as an inspiration for young nurses and future nurses to embark on the noble profession and to appreciate the services and efforts of nurses in the nursing profession.



The Nursing students include; Ms. Olivia Chan Li Man, Ms. Nur Farisha Binti Mohd Azam, Ms. Nor Athikah Syahirah Binti Rosbahari, Ms. Nur Atiqah Yasmin Binti Sunosi, Ms. Maisarah Binti Azman, Ms. Nurlisa Binti Abd Halim, Ms. Nur Dina Adani Binti Mohd Khirul Azmi, Ms. Norizzati Rose Binti Mohd Fauzi Francis and Ms. Manusah A/P Chindramugam.

Our entourage arrived at 9.00 am and proceeded to the registration counter. As we had ample time before the start of the official program. We visited the exhibition hall of the museum, where information on the evolution of nurses' uniforms in Malaysia, the origin of International Nurses Day, the history of the nursing schools, and how nursing started in Malaysia were given. Nursing officials were in attendance to entertain any clarifications.

All guests were also welcomed by a performance, by the nurses from Banting Hospital. This was followed by a Drama about the History of Florence Nightingale, the founder of modern nursing, and the nurses from Hospital Kuala Lumpur followed by presenting a dance on "hand hygiene".

There was also a speech from the representative of the Ministry of Health, Malaysia, after which the winners of the quiz were announced. To our surprise, our group received a consolation prize. Although it was just a consolation prize, on a good note, we had a wonderful experience and, above all, we had not gone back empty handed.



Transformation of nurse uniforms in Malaysia” The miniature dolls – brainchild of Puan Zainooriah, SON, MAHSA (previous Deputy DON, MOH) and her team of public health nurses in 2007, Nursing Division, MOH



Designs of nurses' uniforms throughout time

Activities held

Two of our students, Olivia Chan Li Man and Nur Farisha Binti Mohd Azam, participated in a quiz competition organized. This team of two nursing students was required to answer ten questions about coronavirus and hand, foot, and mouth disease (HFMD) within 15 minutes. After that, we had to pick a random question, which asked about the general history of nursing. Our group was asked the question "I chose to become a nurse, because...". Nur Farisha shared her story when she was admitted to a hospital for a week due to an accident, and she saw how the nurses treated their patients professionally, which inspired her to become a professional nurse.



Quiz Competition



"I chose to become a nurse, because..."



Received a consolation prize from Matron Devi A/P K. Saravana Muthu (DON, MOH) and Matron Anny Mary (Deputy DON, MOH)

As soon-to-be registered nurses, we have learnt to really feel and appreciate the sacrifices of our predecessors and senior nurses in advancing the nursing profession in providing better and safer health care services to the population. It was not all smooth sailing, but it can be expressed as the spirit of nursing that made it possible—the passion and the loyalty that keeps a nurse on her job even though there may be discouragement, but he or she is happy to carry out her responsibilities. This is an inspiration to us, the younger generation, to continue to serve the nation and do much more.



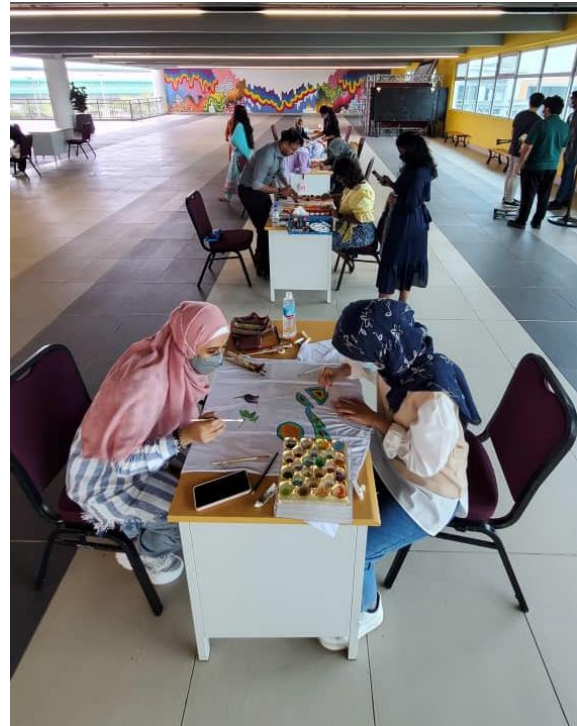
With Puan Ajimah Hassan – Retired Principle Matron, Nursing Division, MOH and Nursing Lecturer, School of Nursing, FOMBN. MAHSA University.

Prepared by Olivia Chan Li Man and Team

Colour Me Happy – DIY T-Shirt Designing Thematic Month, SOM

Colours play an exceptionally prominent role in our lives. They influence our thinking, inspire our decision-making, and affect our moods. "Mere colour, unspoiled by meaning and unallied with definite form, can speak to the soul in a thousand different ways," Oscar Wilde said. On March 17, 2022, a T-shirt designing competition was held to enlighten the soul and unleash the hidden creativity of our students and staff. There could not have been a more proper day for the competition because it coincided with the festival of colours, Holi - and National Crayon Day!

There were 14 participants, making up seven 2-member teams. There were two teams from the Pre-University Unit, one from public, one team from MARCOM and 3 student-teams from the School of Medicine.



It was exhilarating to see all the participants with their colouring materials and designs on the day of the competition. Each team was given a plain white T-shirt and a time limit of one hour to complete their designs. The theme was Colour and Joy, and appropriately, the participants were challenged to express their joy using colours on the T-shirts.

As someone correctly stated, "I can always count on colours to make me happy," there was a very cheerful atmosphere in the arena that lifted everyone's spirits that day.



The winners of the competition were given gift vouchers worth a total of RM100. The first prize was won by the School of Medicine team, two first year MBBS students Nimi Mahenthran and Mohd. Ikram. The second prize was given to Ms. Nur Haslinda and Ms. Nurul Shaziera, staff of FOMBN and the third prize was won by Ms. Jennifer and Prof. Srikumar from MARCOM.

The link between colors and our happy emotions was clear in this event. We are planning to conduct more such exciting events in the future.

Prepared by Dr Sudha Arumugam

Photo Contest - The Best Technology in MAHSA Thematic Month, SOM



MAHSA UNIVERSITY

Photo Contest

The Best Technology in MAHSA

2-10 JUNE 2022

Organised by Faculty of
Medicine, Bioscience
& Nursing

Prizes
1ST RM50 2ND RM30
3RD RM20

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f in MAHSA UNIVERSITY

On June 2–10, 2022, the School of Medicine, Faculty of Medicine, Bioscience, and Nursing (FOMBN), MAHSA University conducted a technology-based competition. It was organised by Assoc. Prof. Dr. Madhu Katyayani Balijepalli.

In order to examine the ways in which IT is changing work, the committee first considers the current and emerging states of technological capabilities and their applications.

Changes to the technological landscape arise from two quite different forces. The first is technology creation: the combination of fundamental capabilities enabled by advances in foundational science and engineering research to yield a new functionality. The second force is technology diffusion—the adoption of these technologies in new products and services and their emergence in new markets over time.





For example, consider the invention of tools such as the Internet, the mobile phone, computer algorithms that recognise faces, or self-driving vehicles. Although technology for high-speed Internet connectivity has been available for decades, the diffusion of high-speed Internet connectivity to all corners of the Earth is still under way, as are its impacts on the workforce.

This competition was announced to all staff and students to participate in this event. Finally, three winners were chosen from this event.



Prepared by Assoc. Prof. Dr. Madhu Katyayani Balijepalli.

Welcome our New FOMBN Staffs!

School of Medicine



Assoc. Prof. Dr. Venkata Suresh Babu Chinni

Department of Biochemistry,
SOM

After completing his master's degree in biochemistry, Dr. Suresh joined the Indian Institute of Science in Bangalore, India as a research fellow and worked on characterising the non-structural proteins of the Rota virus. After that, he pursued his PhD under the direction of Professor Juergen Brosius at the Experimental Pathology and Neurobiology Department, University of Münster, Germany. He earned the grade of "Magna Cum Laude" (Excellent) for his PhD. He published as a first author in reputable publications after experimentally identifying and characterising 97 and 142 novel npcRNAs from the human pathogens Salmonella Typhi and Staphylococcus aureus, respectively. His specialty is in non-coding RNA and bioinformatics, as well as molecular biology and biochemistry.

He has so far been awarded more than eight research grants totalling more than RM1 million from the Ministry of Education, Malaysia. For their excellence, he mentors 12 and 23 doctoral and masters (full research) students, respectively.

Dr. Suresh is also active in a variety of administrative tasks, such as serving as the programme coordinator and team leader in the development of the BSc (Hons) Bioinformatics programme. He served as the chairman of an international conference organised by AIMST University in collaboration with numerous national and international organisations. Dr. Suresh served as the university's Deputy Vice-Chancellor for Research and Industry Linkage before joining MAHSA University.

He has an extensive network of national and international research collaborators, including GMI in Vienna, Austria, YV University in India, University of Luebeck in Germany, Universiti Sains Malaysia, UniMAP, and AIMST University. He serves on the editorial and reviewer boards for several international journals and has published his research findings in a number of reputable journals. His study has been presented at numerous international conferences, where it has won a few prizes for outstanding presentation. Additionally, he has won other prizes, including an EMBO travel grant that allowed him to take part in a training course at the University of Würzburg in Germany.



Dr. Sher Zaman Safi

Department of Biochemistry,
SOM

Dr. Sher Zaman Safi completed his masters in Biochemistry and then MPhil in molecular virology and immunology. He went to South Korea where he worked on regulation of DNMTs by NGN-1 gene in mesenchymal stem cells. Then he secured the prestigious “bright spark scholarship” for his PhD at UM Malaysia. At the University of Malaya (Malaysia), his PhD work involved “examination of beta-adrenergic receptors signalling in diabetic complications”. He investigated the effect of agonists and antagonists of these receptors in hyperglycaemic retinal and Muller cells. His other experiments dealt with evaluating the phosphorylation of genes involved in inflammatory pathway in hyperglycaemic HUVECs.

He completed his PhD with distinction and appointed as postdoctoral fellow in the faculty of medicine, University of Malaya. During his postdoctoral period, he was working on various projects as co-investigator. He worked on two projects to investigate the effect of Gelam honey on the oxidative stress-induced signalling in hamster cells and STZ-induced diabetic rats. He also worked on a project “ROS production and cell membrane potential in hyperglycaemic endothelial cells”. He later joined Interdisciplinary Research Centre in Biomedical Materials (IRCBM) as Assistant Professor and served there for 6 years.

He secured 5 national (PKR 24 million) and 3 international grants (PKR 22 million) as principal and co-principal investigator. He has published his research in a range of reputed journals and sit on the editorial board of various international journals. He has presented his research in many international conferences and symposia. He has also been the winner of prestigious awards and scholarships such as excellence award during PhD and young scientist travel award from JDRF Australia.

1. Monthly Webinar 2022
2. Open Day, June - August 2022
3. MMS, MQA audit (June, 2022)
4. MBBS, MQA Audit (August, 2022)
5. FOMBN CME Events (July-August 2022)
6. FOMBN Thematic months (July-August 2022)
7. Webinar by AMSA, August 2022
8. Blood Donation Campaign, MUBISS & National Blood Centre, Malaysia, August 2022
9. Summer Internship Programme with Sathyabama University, July 2022
10. MOU Signing with Malaysian Red Crescent, August 2022

Editorial Team

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P R O G R E S S