

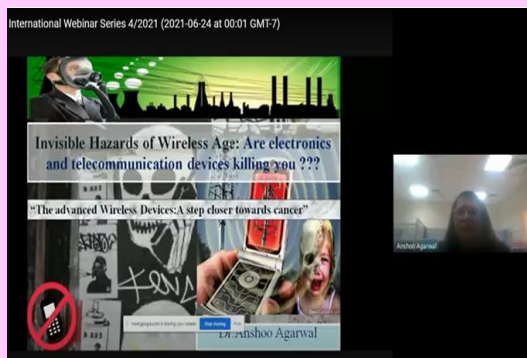
Institute of Medical Molecular Biotechnology Newsletter



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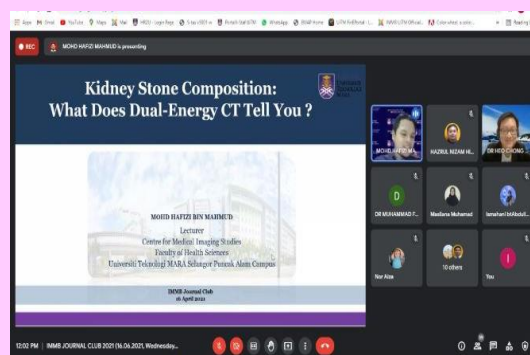
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Issue 9 | July 2021 | <https://immb.uitm.edu.my/>



IMMB INTERNATIONAL WEBINAR SERIES 04/2021. Prof. Dr. Anshoo Agarwal was invited as an honorary speaker for our fourth international webinar series on 24 June 2021. She is currently working as Professor and Chair at the Department of Pathology, Northern Border University, Kingdom of Saudi Arabia. Dr. Anshoo Agarwal has more than 80 publications and is an editorial member of 3 international journals. Her research interests include advance hematology and immunohematology, breast cancer, and anticancer vaccines. In this webinar, she had shared her research findings on **"Advanced Wireless Devices - A Step Closer Towards Cancer"**. This title which is related to the current situation had attracted a lot of interest and successfully conducted online via Google Meet with the attendance of 82 participants.

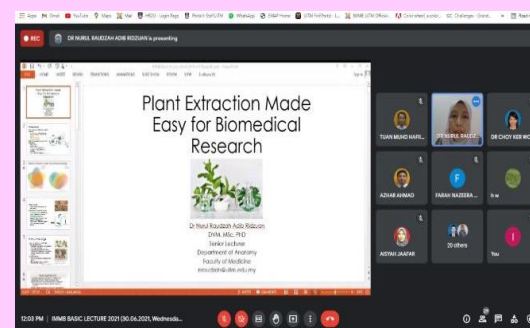
IMMB JOURNAL CLUB with an external speaker, Mr. Mohd Hafzi bin Mahmud who currently works at Faculty of Health Science, UiTM Puncak Alam, was conducted on 16 June 2021. He who has been involved with a wide range of research in cancer imaging, micro-CT and hybrid PERT-CT imaging had shared his knowledge with the title of **"Urinary stone composition: How does dual-energy CT tell you?"**. From this lecture, it can be concluded that dual-energy CT helps in detection of stone location, quantification and this approach can also be used to differentiate the composition of urinary stones. Assessment of stone composition is important and has high clinical relevance for decision of treatment strategies to optimize management of patient with kidney stone.



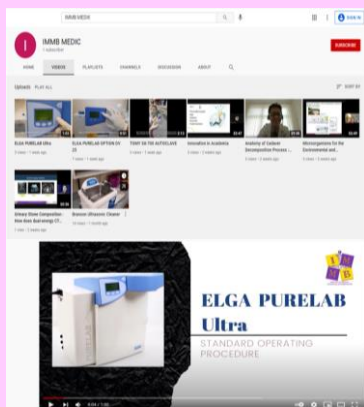
MSc Student, Ms. Norhidayah Rosman who is under the supervision of Dr. Chua Ang Lim had presented a research article on the Guidelines for the Tetra-amplification Refractory Mutation System (T-ARMS) PCR Technique. Her sharing session was held on 23 June 2021 in our weekly **IMMB JOURNAL CLUB**. This guideline is useful for the primary reference for study on detection of single nucleotide polymorphism (SNPs) or mutations of any disease by using PCR technique. Indeed, this technique is also useful in development of molecular diagnostic kit, as it is cheap and easily performed using only standard PCR equipment. Two assessors from Faculty of Medicine, UiTM, Dr. Navindra Kumari and Dr. Nurul Alimah Binti Abdul Nasir were invited to share their comments and knowledges on the shared topic.



IMMB BASIC LECTURE was conducted on 30 June 2021. We had Dr. Nurul Raudzah Binti Adib Ridzuan from Department of Anatomy, Faculty of Medicine, UiTM as a speaker. In this session, she shared her research experience and tips on **"Plant Extraction Made Easy for Biomedical Research"**. From this lecture, it can be concluded that plant extractions are simple and can be done through methods such as solvent extraction, sonication and soxhlet extraction. The final product is an active biocompound that will be normally identified using Mass Spectrometry or NMR. This is a very important topic to be highlighted especially to our students who are working with natural products in their research.

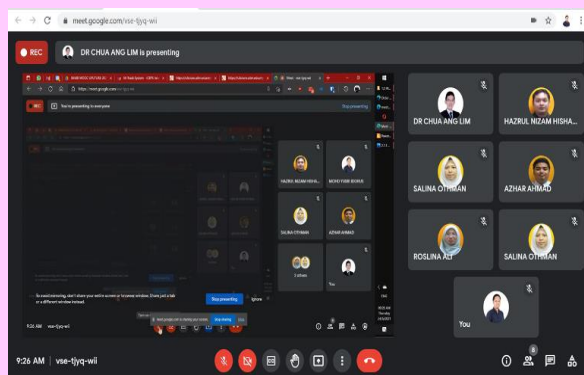


ACTIVITIES, INITIATIVES & INVOLVEMENT



YOUTUBE CHANNEL: IMMB MEDIC. Given the amount of time people spend watching videos, along with higher engagement rates and their effectiveness in student learning, we have created a YouTube channel as one of our efforts to improve dissemination of knowledge. This youtube channel will serve as a guide and in complement to the laboratory trainings given by IMMB staff on important topics, especially those related to proper and safe usage of the laboratory equipment. The channel will also feature the recording videos of IMMB activities such as IMMB International Webinar, IMMB Basic Lecture and Journal Club which will be a useful reference for students in their daily research activities. This channel is being administered by IMMB staff, Ms Ummu Fathin Magfirah Bt Mohd and can be accessed via the given QR code.

MOOC UFUTURE: IMMB BASIC RESEARCH LAB SAFETY & COMPETENCY. Progress meeting with IMMB MOOC Coordinator, Dr. Chua Ang Lim was conducted on 24 June 2021. The development of this course is based on the MOOC UFUTURE Platform. In this course, student will learn about basic concepts of laboratory safety, contamination awareness, chemical registry, basic handling of imaging equipment, spill, waste, and sample handling. The outcomes shall be accessed through the course test and lab engagement. Students will only be given permission and gained entry access to carry out laboratory work from the Administrative Office of IMMB after passing the test. This course is expected to be launched and fully utilized in early 2022.



2021 VIRTUAL THREE MINUTE THESIS COMPETITION NATIONAL LEVEL. On 9th June 2021, fellow PhD student from Faculty of Medicine UiTM, **Mr Afiqq Aiman Abd Gapor** participated in the National 3 Minute Thesis (3MT) competition hosted virtually by the International Islamic University Malaysia (IIUM) Centre of Postgraduate Studies. He was amongst the 19 participants from the Science category competing in the semi final round and later the final round on the very same day consisting of 5 finalists including one judges' choice. Mr Afiqq Aiman was crowned as the National Grand Champion, 1st Place of Science & Technology category and to represent Malaysia in the 2021 Virtual Asia-Pacific 3MT Competition hosted by University of Queensland, Australia. *"This was made possible by the help of everyone around me, my family, my trainers **Dr Alzamani, Dr Norhafiza, Dr Suhaily** and **Dr Fairuz**, my friends and the postgraduate office. I would try my best for the next round"*, Mr Afiqq added on commenting his success in the competition.

PERSONAL PROTECTIVE EQUIPMENT (PPE) AUDIT on 4 MAY 2021. IMMB had received a visit and audit by Ms Norhayati Mohd Monzai and Mr Fairos Abd Hamid from Pusat Keselamatan, Kesihatan Pekerjaan dan Kesejahteraan (COSHAW) UiTM Selangor. This audit was also attended by Ms Naizah Zakaria from Department of Anatomy, Faculty of Medicine. A lot of matters were discussed for improvements including awareness program, regular maintenance and PPE inspections. In order to keep the researchers as safe as possible from work-related hazards that may result in injury, it is important that the correct use of PPE can be rigorously and consistently applied.



"Set your eyes on your aspirations and be courageous even if the path is turbulent. Adapt to changes but always be a person of integrity." – Professor Dr. Ng Kwan Hoong

STAY HEALTHY DURING COVID-19 LOCKDOWN



STAY MOVING! EVEN A SIMPLE EXERCISE OR WALK AROUND IS GREAT!

LISTEN TO YOUR BODY! AVOID ACTIVITIES THAT MAY INJURE YOU OR ALTER YOUR HEALING PROCESS



EAT WHOLE AND NUTRITIOUS FOODS. COOKING CAN EVEN BECOME A FUN ACTIVITY THAT HELPS YOU STAY MOVING

INCREASE YOUR QUALITY TIME AT HOME WITH READING, WRITING AND MEDITATING



CLEAN YOUR HOME REGULARLY, PARTICULARLY FREQUENTLY TOUCHED SURFACES

PICK UP THE PHONE AND CALL OR VIDEO CHAT. STAYING CONNECTED WILL NOT ONLY HELP YOU BUT THE PERSON YOU'RE REACHING OUT TOO.



Scan Me

For More Information

UPCOMING EVENT!

FUN INTERNATIONAL WEBINAR SERIES 09
Dr. Meaghan Pimsler,
American Academy for the Advancement of
Science (AAAS) Science and Technology
Policy, National Institute of Justice in the
United States Department of Justice (DOJ).
29th July 2021.
9.00 am.

IMMB BASIC LECTURE
Aliya Ahmad Nabil,
Mahathir Science Award Foundation.
28th July 2021.
12.00 pm.

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