

Institute of Medical Molecular Biotechnology Newsletter

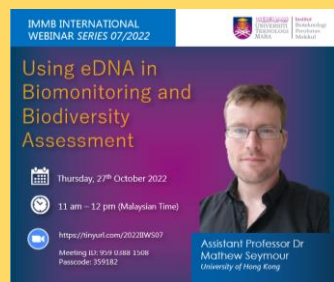


UNIVERSITI
TEKNOLOGI
MARA

Institut
Bioteknologi
Perubatan
Molekul

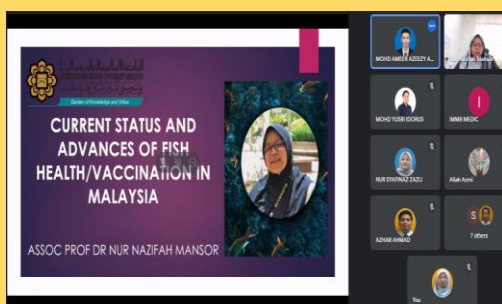
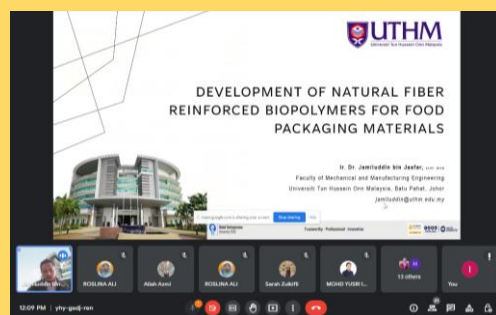
Issue 25 | November 2022 | <https://immb.uitm.edu.my/>

On 27 October 2022, the director of IMMB, **Assoc. Prof. Dr. Heo Chong Chin** was invited as a symposium speaker for the **International Congress of Tropical Medicine and Malaria 2020** in Bangkok, Thailand. He shared his findings on the topic entitled **"Carrion Ecology and Forensic Entomology in Malaysia: An Update."** Forensic entomology is an emerging field in forensics, where the insects found are collected and studied. In cases involving homicide, the post-mortem interval (estimated time of death) could be determined by carrion insects colonization and succession on the corpse or carcasses.



The IMMB International Webinar Series 07/2022 was held on 27 October 2022. The invited presenter was **Assistant Professor Dr. Mathew Seymour** from the **University of Hong Kong**. He shared his expertise on the topic entitled **"Using eDNA in Biomonitoring and Biodiversity Assessment."** His research interest is in environmental DNA (eDNA) techniques and their usage especially to find cryptic DNA. In addition, the eDNA is a great substitute for conventional biodiversity sampling and shows great potential for detecting species at low density especially from environmental samples. This talk was successfully attended by 32 participants and chaired by Mr. Abdul Rahman Kazim Azli.

IMMB RESEARCH TALK 2022 was conducted on 5 October 2022 with **Ir. Dr. Jamiluddin bin Jaafar** from the **Faculty of Mechanical and Manufacturing Engineering, UTHM**. In this session, he shared his expertise on the topic entitled **"Development of Natural Fiber Composites for Food Packaging."** From his talk, natural fibers composites have been seen to be a good candidate for renewable and biodegradable material, especially in food packaging. This is an advantage for Malaysia due to its richness in natural resources including natural fiber that can be easily extracted. This talk was moderated by Mrs. Roslina Ali and was attended by 25 participants.



IMMB BASIC LECTURE 2022 was conducted on 19 October 2022, with **Assoc. Prof. Dr. Nur Nazifah Mansor** from the **Department of Marine Science, Kulliyah of Science, IIUM Kuantan** as the invited speaker. In this session, she shared her expertise on the topic entitled **"Current Status and Advances of Fish Health/Vaccination in Malaysia"**. Generally, the fisheries sector provides a significant portion of income for local fishermen and farmers in Malaysia. Therefore, vaccination is the best practice and crucial for the aquaculture sector to remain sustainable. This talk was chaired by Mr. Ameer Azezy and was attended by 25 participants.

EXTERNAL EVALUATION OF INTEGRATED QUALITY MANAGEMENT SYSTEM (IQMS). The evaluation visit led by **Dr. Junaida Ismail** as the head of the panel, followed by **Dr. Mashani Mohamad** and **Mrs. Samsiah Bidin** was conducted on 26 October 2022. This visit was assisted by the head of the quality unit of faculty of medicine, **Dr. Muhammad Huzaimi Haron**. The main purpose of this evaluation visit is to ensure that the **Master of Medical Sciences (MD780)** and **Doctor of Philosophy (Medicine) (MD990)** programs offered by Faculty of Medicine UiTM Sg. Buloh are in line with the standards set by the **Malaysian Qualifications Agency (MQA)**.



Moreover, this evaluation visit would reinforce and enhance the administration of the faculty's academic programs.

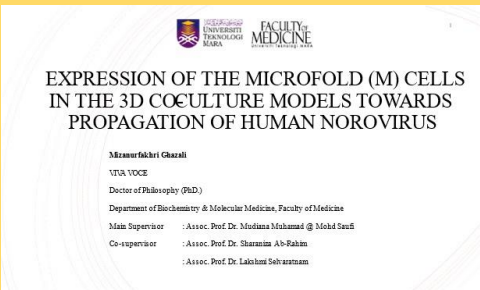
ACTIVITIES, INITIATIVES & INVOLVEMENT

IMMB JOURNAL CLUB with Ms. Sarah Zulkifli (PhD Student) as the presenter was held on 12 October 2022. She is under the supervision of Assoc. Prof. Dr. Noor Shafina Mohd Nor. She shared her research findings entitled **“The Impact Of Bisphenol A (BPA) Exposure In Utero And Postnatal Trans Fat Diet on Small Intestine Global DNA Methylation and Gut Microbiome of Animal Model”**. The main objective is to investigate the effects of BPA exposure on the morphology of the small intestine and its global DNA methylation. We have two evaluators from the Faculty of Medicine to give support and comments to improve the presentation. This sharing was successfully attended by around 25 participants and chaired by Mrs. Norita Salim.



IMMB JOURNAL CLUB was held on 26 October 2022. The invited presenter was Mr. Naveen Sivaguru (Intern student). He was under the supervision of Assoc. Prof. Dr. Heo Chong Chin. He shared his research findings entitled **“Coprophilic Dipteran Community Associated with Cattle Dung in Selangor, Malaysia.”** The main objective of this research was to examine the community structure of *coprophilic dipteran* associated with cattle dung in Selangor. As a conclusion, he shared that *Musca domestica* was the most abundant coprophilic fly species found in cow dung while *Stomoxys calcitrans* was the most abundant for blood-sucking flies. This talk was attended by 27 participants and chaired by Mr. Azhar Ahmad.

NEW PUBLICATION. Congratulations to Nor Shahida Abdul Rahman, a PhD student under the supervision of Prof. Dr. Nor Ashikin Mohamed Noor Khan for successfully publishing her review paper entitled **“Exogenous L-Glutathione Improves Vitrification Outcomes in Murine Preimplantation Embryos.”** This paper demonstrated the novel use and practical applicability of GSH supplementation for improving embryonic cryotolerance via a decrease in ROS levels and the inhibition of apoptotic events by improvement in oxidative status. Her review paper was published in **Antioxidants (Q2)**, by MDPI publisher with an impact factor of 7.675 in October 2022.



CONGRATULATIONS! Mr. Mizanurfakhri Ghazali, who is under the supervision of Assoc. Prof. Dr. Mudiana Muhammad @ Mohd Saufi passed his **PhD VIVA VOCE (MD990)** on 21 October 2022. His PhD research title is **Expression of the Microfold (M) Cells in the 3D Coculture Models Towards Propagation of Human Norovirus**. Throughout his PhD, he has successfully produced 5 publications and three of them are Scopus-indexed publications. He also represented the Faculty of Medicine in UiTM 3MT Competition 2019 and had the opportunity to participate in 3 international conferences as an oral presenter and one of them was at Meiji University, Tokyo, Japan.



SITE VISIT FROM OCCUPATIONAL SAFETY & HEALTH DIVISION OF UiTM SHAH ALAM on 20 October 2022. Site visit by Ts. Suhaihism Mohd Saufi, a senior engineer from Occupational Safety & Health Division of UiTM Shah Alam to assess the current condition of IHC laboratory and chemical store in IMMB. Ts. Suhaihism Mohd Saufi is an indoor air quality expert and has the qualifications and skills to assess and suggest the corrective actions that can be taken. The findings report prepared by him will be used as an important reference to improve the indoor air quality and flow in those areas.

SKILL UP! AO ABSORBANCE AC3000 Microplate Reader by Azure BioSystems. A microplate reader training was conducted on 13 October 2022 with an invited facilitator, Mr. Koh Cing Chai from Apical Scientific Sdn Bhd. This activity aimed to improve participants' skills and expose them to the latest technology in the market. The exposure is important, especially during the selection and acquisition of new equipment to meet the needs and facilitate the research work. As a part of the training, one unit of microplate reader was placed in IMMB for 2 weeks.



“Time is like a sword, if you don't cut it, it will cut you” — Imam Shafi'ee.



13th & 14th December 2022
(Tuesday & Wednesday)
8:30 am – 4:30 pm

Venue:

**Institute of Medical Molecular
Biotechnology (IMMB)**
Faculty of Medicine,
University Technology MARA (UiTM),
Sungai Buloh Campus,
Jalan Hospital, 47000 Sungai Buloh,
Selangor, MALAYSIA

JUNIOR SCIENTIST DAY 2022

Explore . Fun . Learn

Fully vaccinated
COVID-19
participants
only

- Registration and payment deadline:
5 December 2022
- Open to 100 student
aged 9-12 years
- Fee Rm80 / pax



Scan here!

Any further questions
can contact:

- Pn. Salina:
+603 – 6126 5085
- Cik Nabilah:
+603 – 6126 5080
or email to
juniorscientistday
@gmail.com

Organized by

Fakulti
Perubatan



Appreciation to

Hospital
Al-Sultan Abdullah



Get information on our upcoming:

International Webinar | Journal Club | Research Talk | Basic Lecture | Services | Newsletter | Online Course | Workshop and everything else that you need to know about IMMB on our media social platforms.

FELLOW RESEARCHER : DR. TANIA IVORRA

 tania@uitm.edu.my



Dr Tania Ivorra obtained her bachelor's degree in Biology at the University of Alicante in Spain; as an undergraduate student, she was working in Forensic Entomology with BIOINSECTA group under Dr Santos Rojo supervision. She graduated in her master's degree in Forensic Analysis at the University of Basque Country in Spain, and she finished her PhD in Forensic Entomology on a necrophagous fly species (*Synthesiomyia nudiseta*) at the University of Alicante under the supervision of Dr Rojo and Dr Martínez-Sánchez and obtained a 'cum laude' distinction.

She joined Universiti Teknologi MARA in March 2020, first as a postdoctoral researcher, and currently, as a research fellow at the same institution, where her project is based on aquatic forensic entomology. During her time here, she published about ten scientific articles, co-supervised more than ten industrial training students, and she gained several grants (LESTARI Research Grant, Erasmus+ training mobility grant). Together with AP Dr Heo Chong Chin, she secured the Malaysia-Spain Innovating Programme (MYSIP) grant focused on black soldier flies as an innovative, ecological, and low-cost solution for organic waste and wastewater treatment. Her main research interests are ecology, distribution, and development of insects of medical, veterinary, and forensic importance, having an experience in this field for more than 15 years.

Scan Me



FOLLOW, LIKE & SHARE



FOLLOW, LIKE & SHARE



FOLLOW, LIKE & RETWEET



BROWSE & EXPLORE



LIKE, SUBSCRIBE & SHARE