

**BEYOND 2021:
BUILDING SUSTAINABLE SCIENCE**

**4th International Conference
on Molecular Biology &
Biotechnology**

*In conjunction with 27th Scientific Meeting of
Malaysian Society for Molecular Biology &
Biotechnology*

Welcome Kit

1 – 3 JUNE 2021

Virtual Conference on
Zoom



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Welcome!

The Malaysian Society of Molecular Biology and Biotechnology (MSMBB) is proud to welcome you to the 4th International Conference on Molecular Biology and Biotechnology 2021 (4thICMBB2021) in conjunction with the 27th Scientific Meeting of MSMBB.

ICMBB2021 is just a few days away and we want to make sure that you have everything you need to be part of this exciting event. This welcome kit serves as a guide for you to navigate through our conference programme and to provide you with the necessary tips to ensure that you have a smooth e-conference experience.

Do look out for the conference e-book that will be sent to you soon.

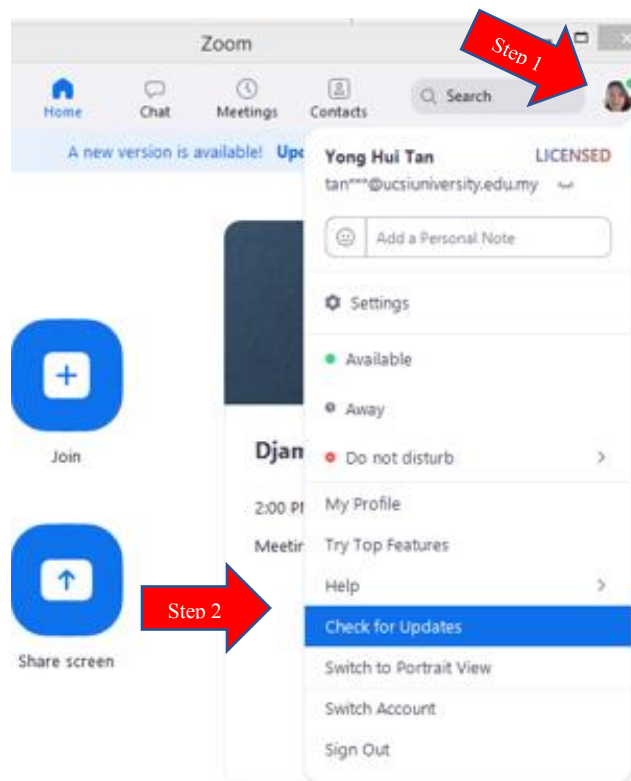
We wish you a productive conference and hope you have an enjoyable time at ICMBB2021!

TABLE OF CONTENTS

1.0 INSTRUCTIONS FOR PARTICIPANTS.....	4
2.0 INSTRUCTIONS FOR PRESENTERS.....	7
3.0 ICMBB2021 TERMS & PARTICIPANTS' CONSENT.....	9
4.0 IMPORTANT CONTACT DETAILS.....	10
5.0 USEFUL TIPS FOR ZOOM E-CONFERENCE	11
6.0 PROGRAMME.....	15
7.0 3MPP LIVE Q&A SESSION SCHEDULE.....	24

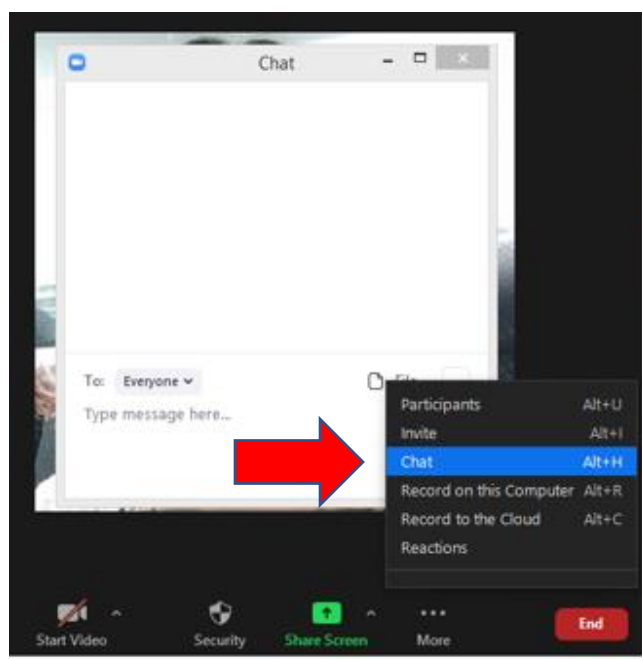
1.0 INSTRUCTIONS FOR PARTICIPANTS

1. The ICMBB2021 will be conducted virtually on Zoom Cloud Meeting App. Participants are advised to have the latest Zoom app (version 5.6.3.1813) installed in their device (personal computer, laptop, or mobile device). Installation link can be found at: <https://support.zoom.us/hc/en-us/articles/207373866-Zoom-Installers>
2. Participants with an existing Zoom app are advised to update to the latest version of Zoom app, by signing in to Zoom, click your profile picture then click “Check for Updates”. If there is a newer version, Zoom will download and install it. More information on zoom update is available at: <https://support.zoom.us/hc/en-us/articles/201362233-Upgrade-update-to-the-latest-version>



3. The updated zoom version enables features like Breakout Rooms in your Zoom app.
4. **Log into Zoom using only your full name which you have used for your registration.** Please log into Zoom **10 minutes** before the start of the conference.
5. Participants are advised to use headset for better audio quality.

6. Please note that the participants' microphone will be muted throughout the seminar and screen sharing will be disabled.
7. If you have any questions for the presenters, please type your questions in the chat box, by clicking "Chat" in the zoom meeting controls. This will open the chat window where you can type your questions and it is visible to everyone. Your questions will be read out by the chairperson and will be addressed during the Q & A session.

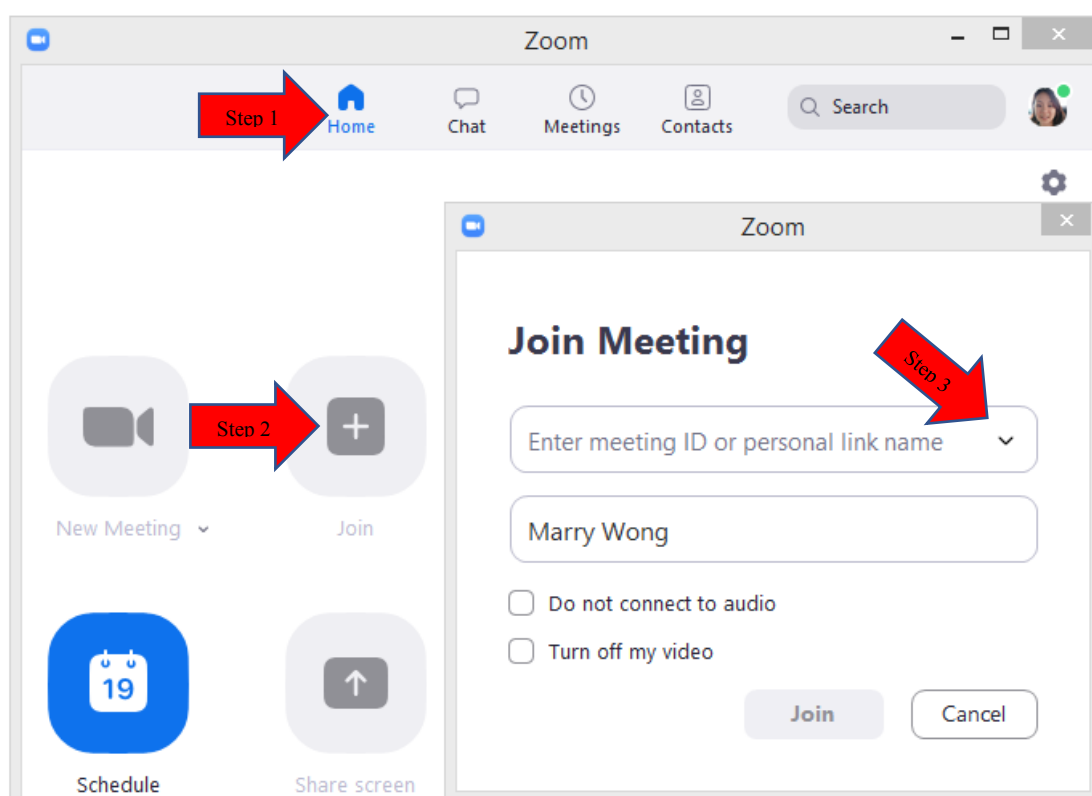


8. The E-Conference will involve keynote lectures, plenary lectures, oral presentations, and e-poster Q&A sessions. Therefore, your active participation is integral to ensure the success of the conference. Certificate of participation will be awarded to delegates within three weeks after the conference.
9. Participants can join the conference sessions using **the link provided in the program section (Section 6.0, page 14)**. If there are difficulties, please use the Zoom link and meeting ID provided in the table below. All the sessions of the event will be streamed live (except 3MPP) on YouTube given in the table below:

	HALL 1	HALL 2
Day 1	➤ Opening Ceremony, Keynote Session & Technical Talk ➤ O1. Agricultural & Aquaculture Biotechnology & Molecular Biology	➤ O2. Medical Biotechnology & Molecular Biology

	➤ 3MPP Breakout room A - F	
Day 2	➤ Keynote Session & Technical Talk ➤ O3. Environmental Biotechnology & Molecular Biology	➤ O4. Industrial & Food Biotechnology & Molecular Biology
Day 3	➤ O5. Medical Biotechnology & Molecular Biology ➤ Prize Presentations & Closing Ceremony	➤ O6. Microbial Biotechnology & Molecular Biology
Zoom Link	https://us02web.zoom.us/j/87118563702 Zoom ID: 871 1856 3702	https://us02web.zoom.us/j/81202067934 Zoom ID: 812 0206 7934
YouTube Link	Hall 1 - 4th ICMBB 2021	Hall 2 - 4th ICMBB 2021

10. Once you have joined the meeting on day 1, for easy navigation on the subsequent days, go to Zoom “Home”, click “Join”, from the dropdown list, select “**Hall 1 – 4th ICMBB 2021**” or “**Hall 2 – 4th ICMBB 2021**” to join the session you are interested.



2.0 INSTRUCTIONS FOR PRESENTERS

ORAL PRESENTERS

1. Oral presenters will be given **10 minutes** to present. Please stay to the end of your session for a 15-minute Q&A.
2. **Please email us at *the.msmbb.office@gmail.com*** your **presentation slides** labeled as designated code number given by scientific committee e.g.: ONumber_Your Name (O1_Mary Wong) as a Ms. PowerPoint (.ppt or .pptx) file latest by 28th May 2021.
3. The presenting author is requested to join Zoom at least **15 minutes** before their respective session.
4. Please keep the presentation within the allotted time.
5. When sharing screen, please ensure that the text on the video/power point is in full screen mode.
6. A rehearsal on Zoom will be conducted on 27 -30 May 2021. Schedule of the rehearsal will be sent to your email.

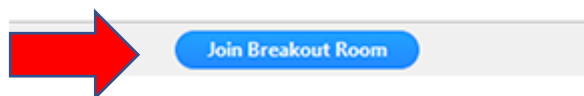
3 MINUTES POSTER PRESENTATION (3MPP)

Q&A session:

1. A live Q&A session will take place during the conference. Presenters are required to be in their respective breakout room at least 5 minutes before the commencement of the Q&A session. Failure to attend will result in a “No-show” for the Q&A session.
2. There will be a total of 6 breakout rooms. Presenters will be notified on their respective breakout rooms to enter via email before the conference. You can join the breakout room by clicking “**Breakout Rooms**  ” in your meeting controls then click “**Join Breakout Room**”.

You have been assigned to Breakout Room:

Breakout Room 2



3. The judges will carry out the Q&A process in these breakout rooms.

4. The Q&A session for each participant will last 5 minutes at most.
5. Presenters are required to stay in the breakout room for the full duration of the Q&A session. Participants of the conference are invited to attend the Q&A session and can interact with the presenters via the chat function on Zoom should they have any questions. Participants can move freely between the break rooms.
6. The 3MPP posters, video and schedule can be found in the end of this document.

3.0 ICMBB2021 TERMS & PARTICIPANTS' CONSENT

1. The acts of sharing or transferring (without approval from the Secretariat) the rights to access the online event, secretly recording, live streaming and uploading the event on the Internet are prohibited. The Secretariat may, in its reasonable discretion and without liability or an obligation to remove the participant who is in breach of consent or trust and ban his or her participation in the future.
2. The Secretariat is not responsible for any technical issues during the event, such as the installation and operating of Zoom, internet connectivity and hardware system. All digital platforms are bound to be exposed to a security threat. You are obliged to exercise your discretion at all times when using the platform and not accept and access anything about the online event, which is not from the Secretariat.
3. You accept and acknowledge that the Secretariat cannot be held responsible for any delay or disruptions to your access to the online event as a result of such suspension or any of the following:
 - a. The operation of the Internet and the world wide web, including but not limited to viruses;
 - b. Any firewall restrictions that have been placed on your network or the computer you are using to access the online event;
 - c. Failures of telecommunications links and equipment; or
 - d. Updated browser issues.
4. In the unlikely event that Zoom is not available at the time of the online event, change of platform or other solutions will be communicated promptly through email.
5. The Secretariat is not responsible for any data that you lose either (a) as a result of accessing the online event or the materials or (b) during the completion of the online event. It is your responsibility to ensure that you regularly save and back up (a) all data which you hold on the computer from which you are accessing the online event and the materials; and (b) all data that you are inputting when completing the online event.
6. The Secretariat may update or amend the terms and conditions from time to time to comply with law or to meet its changing operation requirements or to correct any errors without notice to you.

By participating in this event, you agree with all the terms stated above. Your participation will be regarded as your consent, understanding and full acceptance of terms stated above.

4.0 IMPORTANT CONTACT DETAILS

4th International Conference on Molecular Biology & Biotechnology 2021

Email: the.msmbb.office@gmail.com

Website: <https://themsmbboffice.wixsite.com/4thicmbb2021>

For technical matters,

Please contact Dr. Arutchelvan Rajamanikam at +60129157500 or
icmbb.msmbb@gmail.com

For scientific matters,

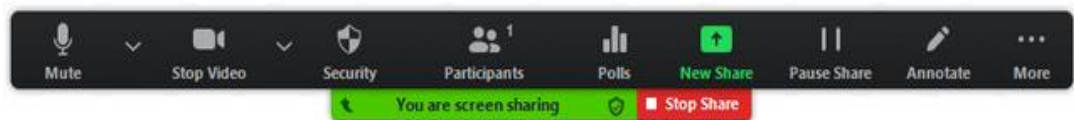
Oral presenter please contact Dr. Pui Liew Ping at +6016 370 4377

Poster presenter please contact Dr. Alan Tan Yee Hock at +6012 689 6568

5.0 USEFUL TIPS FOR ZOOM E-CONFERENCE

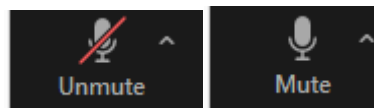
1. How to share your screen?

Click the Share Screen  button located in your meeting controls. Menu below will appear. Once you have ended your presentation, click “Stop Share”.



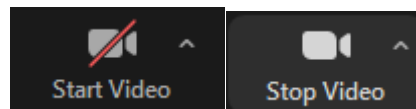
2. How to unmute or mute yourself?

Click on the microphone icon to mute and unmute yourself.

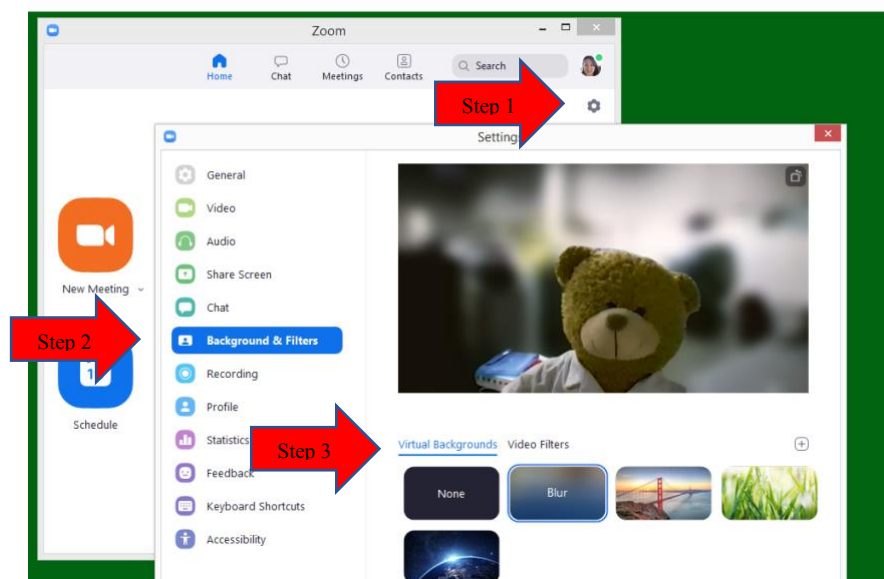


3. How to turn on your camera?

Click on the camera icon to turn on and off your camera.



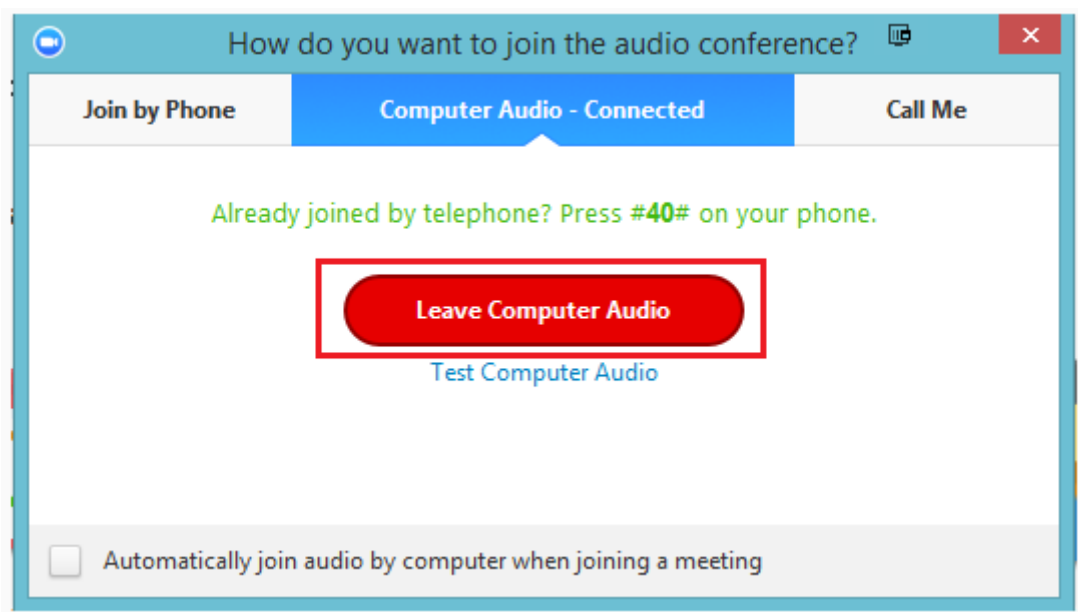
4. How to change your Zoom background?



5. How to prevent audio echo in the meeting?

Avoid below scenarios:

- a) Participant has both the computer and telephone audio active.
- b) Participants with computer or telephones speakers that are too close to each other.
- c) Multiple computers with active audio in the same conference room. You may also go to “Audio options” and select “Leave Computer Audio” (Pc/Mac) or “Disconnect” (Android/iPhone). Muting is not enough as you mute the microphone, but the speaker is still on.



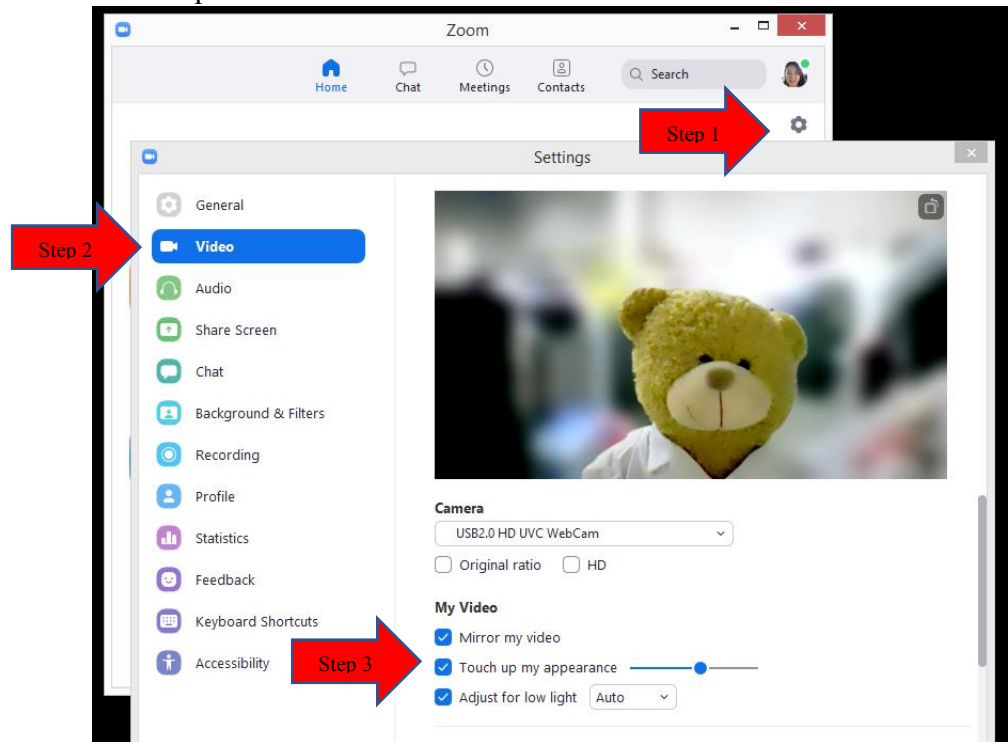
6. How to change you name in Zoom?

To change your name after entering a Zoom meeting, click on the “Participants” button at the top of the Zoom window. Next, hover your mouse over your name in the “Participants” list on the right side of the Zoom window. Click on “Rename”. Enter your full name which you have used for your registration and click on “OK”.

7. How to look best on your camera?

- a) Fill you face with natural light. You may flip you seating arrangement, so the window light is facing you.
- b) Center your camera at eye level.
- c) Seat yourself in front of a plain background.
- d) Sit at least an arm behind the camera.
- e) Use a virtual background if your space is cluttered.
- f) Wear shirt with bright, solid colors that show up well on camera.
- g) Even out your complexion with a tinted moisturizer if you would like.

- h) Swipe on some lip balm if your lips are chapped.
- i) Select the “touch up my appearance” setting on Zoom for an easy option. In the setting menu, select the “video” settings, and then pick the “touch up my appearance” button. This feature smooths out any obvious blemishes or marks and helps add an extra layer of polish to your appearance.
- j) Preview your appearance before you go live. In zoom setting menu, click “Video” tab. You will see a preview video from the camera that is selected.



7. Basic guide and etiquette on E-conference

- a) Review in advance any materials sent to you
- b) Optimize your setup for video conferencing
- c) Dress appropriately
- d) Stick to a schedule
- e) Minimize distractions
- f) Mute your microphone when you are not talking
- g) Keep it professional

8. Common FAQ

- a) How do I join a Zoom meeting?
You can join a meeting by clicking the meeting link or going to join.zoom.us and entering in the meeting ID.
- b) How do I join computer/device audio?

On most devices, you can join computer/device audio by clicking Join Audio, Join with Computer Audio, or Audio to access the audio settings.

- c) Can I use a Bluetooth headset?
Yes, as long as the Bluetooth device is compatible with the computer or mobile device that you are using.
- d) Do I have to have a webcam to join on Zoom?
While you are not required to have a webcam to join a Zoom Meeting or Webinar, you will not be able to transmit video of yourself. You will continue to be able to listen and speak during the meeting, share your screen, and view the webcam video of other participants.
- e) How do I reset my password?
You can reset your password at [zoom.us/forgot password](https://zoom.us/forgotpassword).
- f) What role do I have on my Zoom account?
You can find your role on your Account Profile page of the Zoom web portal.
- g) Where can I find my account owner?
You can find your account owner on your Account Profile page of the Zoom web portal.

More information can be obtained from:

<https://support.zoom.us/hc/en-us/articles/206175806-Frequently-asked-questions>

6.0 PROGRAMME

DAY-1: TUESDAY, 1 st June 2021		
Time	Item	
9.00-9.10 am	Participants login to Zoom (HALL 1) - ENTER HALL 1	
Opening Ceremony, Keynote Session & Technical Talk (HALL 1)		
9.10-9.20 am	Opening Remarks Chair of the organizing committee, Dr. Amirah Amir ENTER HALL 1	
9.20-9.50 am	Keynote 1- Beyond 2021 : Building sustainable science Prof. Datuk Wira Dr. Raha Abdul Rahim Universiti Teknikal Malaysia, Melaka ENTER HALL 1	
9.50-10.05 am	Technical Talk 1- Large Scale 3D Bioreactor Technology: Linear Scale Up of Mesenchymal Stromal Cell Expansion with TideXcell™ System Jonathan Han Wei Lim Esco Micro (M) Sdn. Bhd. ENTER HALL 1	
10.05-10.20 am	Technical Talk 2- PacBio HiFi Sequencing: Sustainable Technology for Sustainable Science Zuwei Qian Research Instruments Sdn. Bhd. ENTER HALL 1	
10.20-10.25 am	Participants disperse into Hall 1 and Hall 2	
	HALL 1 - ENTER HALL 1	HALL 2 - ENTER HALL 2
CONCURRENT SESSION 1	O1. Agricultural & Aquaculture Biotechnology & Molecular Biology <i>Chairperson: Assoc. Prof. Dr. Crystale Lim Siew Ying</i>	O2. Medical Biotechnology & Molecular Biology <i>Chairperson: Assoc. Prof. Dr. Jamal Hussaini</i>

10.25-10.55 am	Plenary 1- It's not in our DNA: Non-transformative gene silencing in orchids Prof. Dr. Jennifer Harikrishna University of Malaya, Malaysia ENTER HALL 1	Plenary 2 – Functional nanodomains of cardiomyocytes in heart failure Prof. Dr. Julia Gorelik Imperial College London, UK ENTER HALL 2
10.55-11.15 am	Invited 1- Moving GenomeSelect™ to the field – highs and lows Dr. David Ross Appleton Director of Sime Darby Plantations ENTER HALL 1	Invited 2- Understanding the endometrium: the “Black box of implantation” Dr. Madhuri Sonal Salker Tübingen University, Germany ENTER HALL 2
11.15-11.20 am	Short break	
11.20-11.30 am	O11-Attenuation of <i>Macrobrachium rosenbergii</i> nodavirus through codon-deoptimization of virus functional genome Dr. Low Chen Fei Universiti Kebangsaan Malaysia ENTER HALL 1	O21-CRISPR-mediated generation of in vitro breast cancer models to study P53 gain of function mutation Ms. Asmaa Abuhamad Universiti Putra Malaysia ENTER HALL 2
11.30-11.40 am	O12-Transcriptomic analysis of <i>Chlorella sorokiniana</i> for pigment production under moderate light intensity Dr. Siti Nor Ani Azaman Universiti Putra Malaysia ENTER HALL 1	O22-Development and evaluation of 1'-acetoxychavicol acetate-loaded nanostructured lipid carrier for prostate cancer therapy Ms. Bavani Subramaniam Universiti of Malaya ENTER HALL 2

11.40-11.50 am	O13-Growth promotion of sweet potato by IAA-producing rhizobacteria Dr. Farzana Yasmin Lincoln University College ENTER HALL 1	O23-Tocotrienol-rich fraction lowers the ratio of phospho NF-κB to NF-κB in retinal tissue of diabetic rats Mr. Muhammad Zulfiqah Sadikan Universiti Teknologi MARA ENTER HALL 2
11.50-12.00 pm	O14-Potential muscle activity disturbance in <i>Penaeus monodon</i> during acute hepatopancreatic necrosis disease (AHPND) infection: inference through gene expression, calcium concentration, and microRNA Ms. Aileen See Siou Ning University of Malaya ENTER HALL 1	O24-<i>Plasmodium knowlesi</i> duffy binding protein alpha region II (PkDBPαII) from Peninsular Malaysia and Malaysian Borneo exhibit different immune responses in animal models Ms. Umami Kalthum Azlan Universiti of Malaya ENTER HALL 2
12.00-12.10 pm	O15-GCMS-based metabolomics and effect of fatty acids dietary supplementation on the survival and innate immunity response of hybrid grouper against vibriosis Ms. Maya Erna Natnan Universiti Kebangsaan Malaysia ENTER HALL 1	O25-In Silico-SELEX Reveals PRDBDapt17 as the potential aptamer against progesterone receptor DNA binding domain Ms. Navien Tholasi Nadhan Universiti Sains Malaysia ENTER HALL 2
12.10-12.20 pm	Q&A panel (15 minutes) ENTER HALL 1	O26-Ultrasensitive and Label-free Fluorescent Nanobiosensor for the Detection of miRNA in Breast Cancer Progression Mr. Wong Zheng Wei University of Nottingham Malaysia ENTER HALL 2
12.20-12.35 pm		Q&A panel - ENTER HALL 2

12.35 pm	End of Session 1. Participants reconvene into HALL 1 ENTER HALL 1
	Poster presentation (BREAKOUT ROOMS, Room A to F)
2.00-4.00 pm	Poster presentations ENTER HALL 1
4.00 pm	End of Day-1

DAY-2: WEDNESDAY, 2 nd June 2021		
Time	Item	
9.00-9.10 am	Participants login in to Zoom (HALL 1) - ENTER HALL 1	
Keynote Session & Technical Talk		
9.10-9.30 am	Presentation by EduSTEM 2020 winners ENTER HALL 1	
9.30-10.00 am	Keynote 2- The Triumphs and Vicissitudes Of Biotechnologies On Malaria Control Prof. Dr. Georges Snounou Université Pierre et Marie Curie (Paris VI), France ENTER HALL 1	
10.00-10.15 am	Technical Talk 3- Primer Dimers? Late Ct? Poor Detection Limit? Say Goodbye To These Problems With PCR Biosystems! Megan Bello, Cheong Zhin Whee Impaco PLT ENTER HALL 1	
10.15-10.25 am	Participants dispersing to Hall 1 and 2	
	HALL 1 - ENTER HALL 1	HALL 2 - ENTER HALL 2
CONCURRENT SESSION 2	O3. Environmental Biotechnology & Molecular Biology Chairperson: Assoc. Prof. Dr. Chia Suet Lin, Eddie	O4. Industrial & Food Biotechnology & Molecular Biology Chairperson: Dr. Yeo Siok Koon
10.25-10.55 am	Plenary 3- Mechanism of Functional Homeostasis in	Plenary 4- Active edible coatings/films for perishable foods preservation: potential, present

	Bacterial Complex System Prof. Dr. Hiroyuki Futamata Shizuoka University, Japan Bioremediation ENTER HALL 1	limits and future prospects illustrated by some case studies Prof. Dr. Pascal Degraeve Claude Bernard University Lyon 1, France ENTER HALL 2
10.55-11.15 am	Invited 3 - Application of Antarctic microorganisms in diesel bioremediation process Assoc. Prof. Dr. Siti Aqlima Ahmad Universiti Putra Malaysia, Malaysia. ENTER HALL 1	Invited 4 - Omics Technologies: Elucidating Relationships between Microbes and Cancer and Future Applications Prof. Dr. Chong Pei Pei Taylor's University, Malaysia ENTER HALL 2
11.15-11.20 am	Short break	
11.20-11.30 am	O31-Bacterial diversity analysis in mangrove ecosystem of johor using minion sequencing Assoc. Prof. Dr. Roshan Mascarenhas Newcastle University Medicine Malaysia (NUMed) ENTER HALL 1	O41-Targeting double genes in multiplex PCR: an innovation in PCR technology for the authentication of food products Dr. M. A. Motalib Hossain Universiti Malaya ENTER HALL 2
11.30-11.40 am	O32-Eco-friendly silver nanoparticles (AgNPs) fabricated by green synthesis using marine polychaete, <i>Marphysa moribidii</i> Assoc. Prof. Dr. Wan Iryani Wan Ismail Universiti Malaysia Terengganu ENTER HALL 1	O42-Production of spray-dried sea cucumber (<i>Cucumaria frondosa</i>) by-products hydrolysate powder Dr. Chang Lee Sin Universiti Kebangsaan Malaysia ENTER HALL 2
11.40-11.50 am	O33-Preliminary synthesis of P(3HB-3HV) using glycerin pitch as main carbon source from	O43-Nutritive bambara groundnut powdered drink mix: consumer acceptability, physicochemical

	<i>Cupriavidus malaysiensis</i> USMAA1020 Ms. Rozina Kakar Universiti Sains Malaysia ENTER HALL 1	characterization, and storage stability Ms. Tan Wen Chian UCSI University ENTER HALL 2
11.50-12.00 pm	O34-Immobilisation of oil degrading bacteria on cellulose triacetate beads formed from kapok fibres and their role in oil spill remediation Mr. Joel Zachariah UCSI University ENTER HALL 1	O44-Detection of animal species in food chain by multiplex PCR-restriction fragment length polymorphism (RFLP) assay Mr. Syed Muhammad Kamal Uddin University of Malaya ENTER HALL 2
12.00-12.10 pm	O35-Bioprospecting and molecular identification of waste transformer oil-degrading bacteria for bioplastic production Mr. Shehu Idris Universiti Sains Malaysia ENTER HALL 1	O45-Elucidation of anthocyanin biosynthesis pathway in <i>Cosmos caudatus</i> Kunth Mr. Darvien Gunasekaran Universiti Kebangsaan Malaysia ENTER HALL 2
12.10-12.25 pm	Q&A panel ENTER HALL 1	Q&A panel ENTER HALL 2
12.25 pm	End of Day-2	

DAY-3: THURSDAY, 3rd June 2021

Time	Item	
9.00-9.10 am	Participants log into Zoom Hall 1 and 2	
	HALL 1 - ENTER HALL 1	HALL 2 - ENTER HALL 2
CONCURRENT SESSION 3	O5. Medical Biotechnology & Molecular Biology	O6. Microbial Biotechnology & Molecular Biology

	<i>Chairperson: Assoc. Prof. Dr. Siti Hamimah</i>	<i>Chairperson: Assoc. Prof. Dr. Dharmani Devi Murugan</i>
9.10-9.40 am	Plenary 5 - Chitosan hydrogel biomaterial from fish scales for topical wound healing application Prof. Dr. Mohd. Effendy Abdul Wahid Universiti Malaysia Terengganu ENTER HALL 1	Plenary 6- Understanding Alzheimer's Disease through yeast studies Prof. Dr. Ian Macreadie School of Science, RMIT University, Australia ENTER HALL 2
9.40-10.00 am	Invited 5- Single cell proteomic analysis of COVID-19 patient samples by mass cytometry Assoc. Prof. Dr. James Badger Wing Osaka University, Japan ENTER HALL 1	Invited 6- Beneficial endophytic actinomycetes Assoc. Prof. Dr. Arinthip Thamchaipenet Department of Genetics, Faculty of Science, Kasetsart University, Thailand ENTER HALL 2
10.00-10.05 am	Short break	
10.05-10.15 am	O51-Cold gas spray hydroxyapatite coatings with thermally grown interlayer titanium oxide on Ti-6Al-4V Ms. Norarney Ahmad Universiti Sains Malaysia ENTER HALL 1	O61-Phage enzybiotics secreted from <i>Lactococcus lactis</i> as potential antimicrobials Dr. Adelene Song Universiti Putra Malaysia ENTER HALL 2
10.15-10.25 am	O52-Morindone from <i>Morinda citrifolia</i> as potential antiproliferative agent on colorectal cancer cell lines Ms. Chee Cheok Wui Universiti Malaya ENTER HALL 1	O62-Mutation on Newcastle Disease Virus V protein, yes or no? Ms. Tham May Ling Universiti Putra Malaysia ENTER HALL 2

10.25-10.35 am	O53-Tocotrienol-rich Fraction (TRF) improves gross liver morphology and liver histological changes in non-alcoholic fatty liver disease (NAFLD) mice model Mr. Mohd Danial Bin Mohd Efendy Goon Universiti Teknologi MARA <u>ENTER HALL 1</u>	O63-Recombinant cell penetrating peptides and intrabodies targeting inner membrane-bound mutated KRAS antigen Mr. Jeremy Ng UCSI University <u>ENTER HALL 2</u>
10.35-10.45 am	O54-Generation of DNA aptamers against envelope 2 (E2) protein of Chikungunya virus by in vitro systematic evolution of ligands for exponential enrichment (SELEX) for diagnostic application Ms. Anna Andrew Universiti Sains Malaysia <u>ENTER HALL 1</u>	O64-Screening of selected ageing-related proteins that extend chronological life span in yeast <i>Saccharomyces cerevisiae</i> Ms. Lee Jee Whu Universiti Sains Malaysia <u>ENTER HALL 2</u>
10.45-10.55 am	O55-Expression of specific biomarkers toward microfold cells differentiation in 3D culture of Caco-2 and Raji B cells Mr. Mizanurfakhri Ghazali Universiti Teknologi MARA <u>ENTER HALL 1</u>	O65- Determination of the metabolic difference in hemolytic and non-hemolytic <i>L. monocytogenes</i> by Phenotype MicroArray™ Technology Ms. Yap Phui Chyng Universiti Malaya <u>ENTER HALL 2</u>
10.55-11.10 pm	Q&A panel <u>ENTER HALL 1</u>	Q&A panel <u>ENTER HALL 2</u>
11.10-11.20 am	Back to Hall 1	
Prize Presentations & Closing Ceremony (HALL 1) - <u>ENTER HALL 1</u>		
11.20-11.45 pm	Awards ceremony: EduSTEMX, Distinguished Scientist Award, Young Scientist Award and Best Poster Awards <u>ENTER HALL 1</u>	

11.40-11.55 pm	Closing address by President of MSMBB, Professor Dr. Lau Yee Ling <u>ENTER HALL 1</u>
END OF CONFERENCE	

7.0 3 MINUTE POSTER PRESENTATION (3MPP)

Access the posters and the video presentations of the participants by clicking on the links below:

Agricultural and Aquaculture		
P101- In silico characterization of UGT76G1 protein In <i>Stevia rebaudiana</i> Bertoni accessions MS007 <i>Ms. Nor Iswani Mokthar</i> <i>International Islamic University Malaysia</i>	Poster	Video
P102- Investigation of the antibacterial potentials of the black soldier fly (<i>Hermetia illucens</i>) larvae <i>Ms. An Nie Tee</i> <i>Universiti Tunku Abdul Rahman</i>	Poster	Video
P103- In silico identification and characterization of kaurene synthase protein in <i>Stevia rebaudiana</i> MS007 <i>Ms. Fathiah Rosilan</i> <i>International Islamic University Malaysia</i>	Poster	Video
P202- Antagonistic and inhibitory potentials of some natural β-carboline alkaloids against 5-HT1A homology receptor as potent antidepressants <i>Mr. Yusuf Ayipo</i> <i>Universiti Sains Malaysia</i>	Poster	Video
P203- Phytochemical composition and antioxidant potential of methanolic extract of filamentous <i>Anabaena</i> sp. and unicellular <i>Microcystis</i> sp. <i>Ms. Reem Abdulsalam Al-Nedawe</i> <i>Universiti Putra Malaysia</i>	Poster	Video
P204- Suppressing cinnamate-4-hydroxylase (C4H) gene using RNA and CRISPR interference systems increases the expression of flavonoid-related genes in ginger and tobacco <i>Mr. Karlson Chou Khai Soong</i> <i>Universiti Malaya</i>	Poster	Video
P205- Generation of superfolder green fluorescent protein variants as non-invasive reporters in plants <i>Mr. Wai Keat Toh</i> <i>Universiti Tunku Abdul Rahman</i>	Poster	Video
P206- Tandem mass tag-based quantitative proteomics analysis reveals the leaf response to drought in <i>Pandanus amaryllifolius</i> <i>Mr. Muhammad Asyraf Mohd Amnan</i> <i>Universiti Malaya</i>	Poster	Video
P207- Proteomic analysis of giant freshwater prawn, <i>Macrobrachium rosenbergii</i> eyestalks throughout different molting stages <i>Ms. Amy Raihanah Husain</i>	Poster	Video

Universiti Kebangsaan Malaysia		
P208- Waterlogging affects morpho-physiology and group VII ethylene response factor gene expression in banana <i>Ms. Ee Yang Teoh</i> <i>Universiti Malaya</i>	Poster	Video
P211- Metabolite profiling of 50% ethanolic extraction of <i>Clinacanthus nutans</i> by using GC-MS and LC-MS/MS and cytotoxicity analysis of succinic acid, betulinic acid and artemisinin on J774.2 macrophage cell line <i>Mr. Ravi Kumar Kalaichelvam</i> <i>Universiti Sains Malaysia</i>	Poster	Video
P269- Transcriptome analysis of virus-host interactions between the lytic bacteriophage DchS1 and the soft-rot macergen, <i>Dickeya chrysanthemi</i> <i>Mr. Ming Wei Lew</i> <i>AIMST University</i>	Poster	Video
P318- <i>Mallotus mollissimus</i> and <i>Solanum erianthum</i> carries potential phytochemical with antimicrobial properties <i>Dr. Lucky Poh Wah Goh</i> <i>Universiti Malaysia Sabah</i>	Poster	Video
P319- In silico transcriptome-wide mining of transcription factor families in <i>Curcuma alismatifolia</i> (ornamental ginger) <i>Dr. Sima Taheri</i> <i>Universiti Malaya</i>	Poster	Video
P320- Metabolome analysis of oil palm friable calli and its development <i>Ms. Dalilah Abu Bakar</i> <i>Malaysian Palm Oil Board</i>	Poster	Video
P321- Classification of multifunctional and multisubunit oil palm acetyl-CoA carboxylase (ACCase) via domain analysis <i>Ms. Nadzirah Amiruddin</i> <i>Malaysian Palm Oil Board</i>	Poster	Video
P322- Variability in yield components and vegetative traits of 3-way crosses oil palm progenies <i>Ms. Nor Azwani Abu Bakar</i> <i>Malaysian Palm Oil Board</i>	Poster	Video
P323- Optimization of protoplast isolation from oil palm <i>in vitro</i>-derived leaf and mesocarp <i>Mr. Mohd Al Akmarul Fizree Md Piji</i> <i>Malaysian Palm Oil Board</i>	Poster	Video
P324- Preliminary analysis of QTLs associated with yield components in oil palm (<i>Elaeis guineensis</i> Jacq.) through association mapping <i>Ms. Suzana Mustaffa</i>	Poster	Video

Malaysian Palm Oil Board		
P325- Oil palm tissue culture system for artificial inoculation study of <i>Ganoderma boninense</i> <i>Dr. Pei Lee Angel Lee</i> <i>Malaysian Palm Oil Board</i>	Poster	Video
P327- Production of recombinant iridovirus coat protein using a synthetic biology approach <i>Associate Prof. Dr. Kenneth Rodrigues</i> <i>Universiti Malaysia Sabah</i>	Poster	Video
P328- <i>In vitro</i> proliferation of shoots and callus of <i>Talinum paniculatum</i> (Jacq.) Gaertn <i>Mr. Shahril Efzueni Rozali</i> <i>International University of Malaya-Wales</i>	Poster	Video
P329- Identification of putative olfactory proteins from a key palm oil pollinating weevil, <i>Elaeidobius kamerunicus</i> <i>Mr. Nabeel Muneim</i> <i>Malaysian Palm Oil Board</i>	Poster	Video

Medical		
P104- Antifungal and antimicrobial activity of <i>Solanum nigrum</i> and <i>Solanum torvum</i> mediated silver nanoparticles <i>Ms. Melannie Roberts</i> <i>AIMST University</i>	Poster	Video
P105- The effectiveness of crude palm oil in preventing Alzheimer's disease induced in rat <i>Ms. Siti Norliyana Che Mat Zubaidi</i> <i>Management and Science University</i>	Poster	Video
P106- CRISPR-Cas9 as a cancer therapy <i>Mr. Ali Adil</i> <i>Al-Furat Al-Awsat Technical University</i>	Poster	Video
P107- Elucidating the effectiveness of <i>Elaeis Guineensis</i> on sex hormone in PCOS induced rats <i>Ms. Vigneswary Thiruselvam</i> <i>Management and Science University</i>	Poster	Video

P108- Over-expression and purification of <i>Acinetobacter baumannii</i> Hfq protein in BL21 cells <i>Ms. Kanchana Appalasamy</i> AIMST University	Poster	Video
P109- Transcriptome analysis of <i>S. Typhi</i> treated with durian waste (rind) mediated silver nanoparticles <i>Ms. Savithri Shanmugam</i> AIMST University	Poster	Video
P110- Renal protective effects of <i>Trigonella foenum-graecum</i> seeds on morphine withdrawal rats <i>Ms. Sutha Sharminni</i> Management and Science University	Poster	Video
P214- Effects of <i>trans</i>-resveratrol and RU-615 on human trabecular meshwork cells morphology and viability <i>Ms. Amy Suzana Abu Bakar</i> Universiti Teknologi MARA	Poster	Video
P215- The toxicity level of raw titanium alloy sample (Ti-6Al-4V) on human periodontal ligament fibroblast <i>Mr. Mohammad Idham Abd Hamid</i> Universiti Sains Malaysia	Poster	Video
P216- Effect of spironolactone towards proliferation of metastatic osteosarcoma cells HOS-143B <i>Ms. Farhana Khamarudin</i> Universiti Teknologi MARA	Poster	Video
P217- Genome-wide SNP analysis of the evolutionary multidrug resistant <i>Mycobacterium tuberculosis</i> (MDR-TB) in Malaysia <i>Ms. Hui Wen Teh</i> Universiti Sains Malaysia	Poster	Video
P218- Investigation of cytotoxins from Malaysian cobras (<i>Naja sumatrana</i> and <i>Naja kaouthia</i>) as a potential antineoplastic agent <i>Ms. Ho Phin Chong</i> Universiti Malaya	Poster	Video
P220- BPIFB1 role in the regulation of EMT associated genes in the gastric cancer cells <i>Ms. Anis Suraya Mohd Jamil</i> Universiti Teknologi MARA	Poster	Video
P221- Cell-free supernatants from probiotics inhibit colon cancer cells proliferation <i>Ms. Ifeoma Dikeocha</i> University of Cyberjaya	Poster	Video

P223- Antibiotic resistance patterns of WHO priority pathogens isolated from acute pharyngitis patients in private primary care clinics <i>Ms. Christina Shook Cheng Chong</i> UCSI University	Poster	Video
P224- HMGCR expression in relation to HER2 status of breast cancer <i>Ms. Rosmaizan Drahman</i> Universiti Sains Malaysia	Poster	Video
P225- Proteomic analysis reveals protective role of melatonin in tumour-prone <i>Drosophila melanogaster</i> lethal giant larvae mutants <i>Ms. Kar Cheng Wong</i> Universiti Malaya	Poster	Video
P226- Evaluation of antidiabetic activity of methanolic extract of <i>Coccinia grandis</i> (Voight) and <i>Spondias mombin</i> (Linn) leaves in streptozotocin induced diabetic Sprague Dawley rats <i>Mr. Gobinath Ramachawolran</i> AIMST University	Poster	Video
P227- Synthesis and characterization of azobenzene derivatives and azobenzene-imidazolium conjugates with selective antimicrobial potential <i>Ms. Halimah Funmilayo Babamale</i> Universiti Sains Malaysia	Poster	Video
P228- Changes in inflammatory biomarker VCAM-1 and insulin levels during progression of premature atherosclerosis in rats <i>Ms. Maleeka Abdullah Hilmy</i> Management and Science University	Poster	Video
P229- Investigation of upper respiratory carriage of bacterial pathogens and their antibiotic susceptibility profile in the Kinta Valley, Perak, Malaysia <i>Mr. Hing Huat Ong</i> Universiti Tunku Abdul Rahman	Poster	Video
P230- The anti-proliferative role of 15,16-dihydrotanshinone I (DHTS) extracted from <i>Salvia miltiorrhiza</i> in autosomal dominant polycystic kidney disease (ADPKD) <i>Ms. Rhubaniya Mahendran</i> Universiti Malaya	Poster	Video
P231- Production truncated bacterial leukotoxin from <i>Aggregatibacter actinomycetemcomitans</i> via different types of expression system <i>Ms. Sook Kee Chong</i> UCSI University	Poster	Video
P232- Tocotrienol rich fraction (TRF) upregulates farnesoid X receptor (FXR) and modulates FXR target genes in the heart of high fat diet-fed mice <i>Dr. Nur Aliah Natasha Md Shahrulnizam</i> Universiti Teknologi MARA	Poster	Video

P233- Evaluation of antioxidant and antidiabetic capacity of medicinal weeds, <i>Mimosa pudica</i> <i>Ms. Nor Saffana Binti Baharuddin</i> <i>Universiti Putra Malaysia</i>	Poster	Video
P234- Determining structural stability of glucose-6-phosphate dehydrogenase deficiency variants using molecular dynamics simulation <i>Mr. Naveen Louis</i> <i>Universiti Teknologi Malaysia</i>	Poster	Video
P235- Comparative evaluation of commercially available NS1-based serological assays for the detection of anti-ZIKV IgG antibodies <i>Ms. Hooi Yuen Khoo</i> <i>Universiti Malaya</i>	Poster	Video
P236- Perfluorooctane sulfonate (PFOS) exposure affects beating rate and brain natriuretic peptide (BNP) expression of cardiomyocytes <i>Ms. Siti Suhana Abdullah Soheimi</i> <i>Universiti Teknologi MARA</i>	Poster	Video
P237- Downstream effects of berberine treatment in colorectal cancer cell line, HCT 116 <i>Mr. Muhammad Azizan Samad</i> <i>Universiti Malaya</i>	Poster	Video
P238- The association of small dense LDL cholesterol level with clinical risk factors of metabolic syndrome subjects in Selangor <i>Ms. Nur Atiqah Auni Razali</i> <i>Universiti Teknologi MARA</i>	Poster	Video
P240- Establishment of reference interval for haematological parameter among Afghan population <i>Ms. Najia Sherzay</i> <i>Universiti Teknologi MARA</i>	Poster	Video
P241- Differential lipocalin-1 levels in keratoconus in a Malaysian cohort <i>Mr. Jun Bin Ng</i> <i>Universiti Malaya</i>	Poster	Video
P242- Deciphering the evolutionary divergence of Bleg1_2478 B3 metallo-β-lactamase from structural perspective <i>Ms. Shaw Xian Au</i> <i>Universiti Putra Malaysia</i>	Poster	Video
P243- Tocotrienol-rich fraction (TRF) upregulates antioxidant genes of human endometrial stromal fibroblast cells of endometriosis <i>Ms. Nur Amira Md Amin</i> <i>Universiti Teknologi MARA</i>	Poster	Video

P244- Preliminary evaluation of optimised PCR-based assay for the detection of pathogenic familial hypercholesterolaemia gene variants among Asian population <i>Ms. Norhidayah Rosman</i> <i>Universiti Teknologi MARA</i>	Poster	Video
P245- Global gene expression of obese patients with knee osteoarthritis <i>Ms. Chiaw Lee Chiew</i> <i>Universiti Malaya</i>	Poster	Video
P246- Interaction between in utero BPA exposure and postnatal trans fat diet on small intestine function of male Sprague Dawley rats <i>Ms. Sarah Zulkifli</i> <i>Universiti Teknologi MARA</i>	Poster	Video
P247- Natural quinones induce ROS-mediated apoptosis and inhibit cell migration in PANC-1 human pancreatic cancer cell line <i>Mr. Prasad Narayanan</i> <i>Universiti Malaya</i>	Poster	Video
P248- Cytotoxicity effects of allicin towards human oral squamous cell carcinoma (OSCC) cell lines, ORL-48 and SCC-15 <i>Ms. Farrah Hazwani</i> <i>Universiti Teknologi MARA</i>	Poster	Video
P249- Evaluation of cadmium treatment on ATP level, cell membrane integrity and cell viability in Caco-2 cell line <i>Mr. Fu Hou Wong</i> <i>UCSI University</i>	Poster	Video
P250- Apoptotic mechanisms of tocotrienol isomers towards oral squamous carcinoma cell lines, ORL-48 <i>Ms. Atiqah Syazwani Ridzuan</i> <i>Universiti Teknologi MARA</i>	Poster	Video
P251- Modulation of small interfering RNA in Newcastle disease virus persistently infected colorectal cancer cells <i>Mr. Lee Chin Chan</i> <i>Universiti Putra Malaysia</i>	Poster	Video
P252- Expression of dominant AMPK gamma 1 subunit gene in post-mortem obese human perihepatic adipose tissue <i>Ms. Norainfarahin Zainal Aznam</i> <i>Universiti Teknologi MARA</i>	Poster	Video
P253- Primer and probe conservation issue in the quantification of hepatitis B virus DNA <i>Ms. Chye Phing Teh</i> <i>Sunway University</i>	Poster	Video

P254- Inhibitory effect of 1-DNJ towards on extracellular matrix proteins expression in osteosarcoma cells <i>Ms. Zulaika Roslan</i> <i>Universiti Teknologi MARA</i>	Poster	Video
P255- Effect of hsa-miR-3131 transfection upon cell viability in imatinib sensitive and imatinib resistance chronic myeloid leukemia cells <i>Ms. Syarifah Faezah Syed Mohamad</i> <i>Universiti Sains Islam Malaysia</i>	Poster	Video
P256- GAS5 associated CeRNA network in lower grade glioma <i>Ms. Jesminder Kaur</i> <i>Universiti Malaya</i>	Poster	Video
P257- Synthesis and cytotoxic effects of novel paclitaxel (PTX)-loaded PLGA (Poly (lactic-co-glycolic acid) nanoparticle bio-conjugate with EGFR monoclonal antibody for triple negative breast cancer <i>Ms. Shalini Krishnan</i> <i>Universiti Sains Malaysia</i>	Poster	Video
P258- Hyperglycaemia disrupts FKN and RANK-RANKL-OPG system in a pregnant rat model <i>Dr. Noor Eliza Hashim</i> <i>Universiti Malaya</i>	Poster	Video
P301- Application of mesenchymal stem cell-derived secretome to promote full-thickness wound healing- an <i>in vivo</i> study <i>Dr. Jia Xian Law</i> <i>Universiti Kebangsaan Malaysia</i>	Poster	Video
P302- Measurement of fatty acid beta-oxidation target protein using in-cell enzyme-linked immunosorbent assay (ELISA) in human fibroblast <i>Ms. Rosnani Mohamed</i> <i>National Institute of Health</i>	Poster	Video
P303- Pyrogallol induces antimicrobial effect and cell membrane disruption on methicillin resistant <i>Staphylococcus aureus</i> (MRSA) <i>Dr. Yik Ling Chew</i> <i>UCSI University</i>	Poster	Video
P304- Cervical cancer and next generation sequencing (NGS): a systematic review <i>Associate Prof. Dr. Nazefah Abdul Hamid</i> <i>Universiti Sains Islam Malaysia</i>	Poster	Video
P305- Antimicrobial effect of <i>Quercus infectoria</i> and <i>Acorus calamus</i> in wound model <i>Ms. Sharmanee Thiagarajah</i> <i>UCSI University</i>	Poster	Video

P306- Detection of nuclear & surface marker of pluripotency in human induced pluripotent stem cells by immunofluorescent microscopy <i>Ms. Nur Jannaim binti Muhamad</i> <i>National Institute of Health</i>	Poster	Video
P307- <i>In vitro</i> screening of selected ulam for the inhibition of CYP450 3A4 activity <i>Dr. Wan Rosalina Wan Rosli</i> <i>University of Cyberjaya</i>	Poster	Video
P308- Cytokilling effect of NK-92 cells on nasopharyngeal carcinoma (NPC) cell lines <i>Ms. Marini Marzuki</i> <i>National Institute of Health</i>	Poster	Video
P309- Cytotoxic effect of lapatinib on T84 human colonic epithelial cell line <i>Dr. Wan Nor I'zzah Wan Mohamad Zain</i> <i>Universiti Teknologi MARA</i>	Poster	Video
P310- Drug repurposing for COVID-19 and understanding the molecular action pathways of SARS-CoV-2 <i>Dr. Idris Adewale Ahmed</i> <i>Universiti Malaya</i>	Poster	Video
P311- Knowledge, attitude and perception towards colorectal cancer among public <i>Assistant Prof. Dr. Sheiladevi Sukumaran</i> <i>UCSI University</i>	Poster	Video
P312- Nisin induces apoptosis of MG63 osteosarcoma cells while protecting non-neoplastic cells <i>Dr. Muhammad Fairuz Azmi</i> <i>Universiti Teknologi MARA</i>	Poster	Video
P313- Air pollution skin effects and hospital admissions for eczema in Kuala Lumpur, Malaysia <i>Mr. Thavin Kumar Mathana Sundram</i> <i>UCSI University</i>	Poster	Video
P314- Real-time reverse transcription loop-mediated isothermal amplification for rapid detection of SARS-CoV2 <i>Prof. Dr. Yee Ling Lau</i> <i>Universiti Malaya</i>	Poster	Video
P315- Comparative proteomics profiling of serum of women with BI-RADS scores of 1 to 5 using gel-based approaches <i>Dr. Jaime Jayapalan</i> <i>Universiti Malaya</i>	Poster	Video

P316- Effect of R92L and R92P mutations in ornithine transcarbamylase (OTCase) enzyme <i>Dr. Ernie Zuraida Ali</i> <i>National Institute of Health</i>	Poster	Video
P317- Wnt pathway gene expression in oral squamous cell carcinoma <i>Dr. Nyi Mas Siti Purwaningsih</i> <i>Universiti Teknologi MARA</i>	Poster	Video

Environmental		
P212- Modification of Kapok fibres into porous beads for marine oil spill remediation efforts <i>Mr. Zhi Yong Kang</i> <i>UCSI University</i>	Poster	Video
P213- Physical and chemical preventive countermeasures of disinfectants used during the SARS-CoV-2 pandemic: Implications on toxicity and resistance development <i>Mr. Najib Yahaya Sani</i> <i>Universiti Sains Malaysia</i>	Poster	Video
P330- Food operators' perceptions on biodegradable food container usage at Subang Jaya: The relationship of environmental knowledge, concern, attitude and usage intention <i>Ms. Kavita Chirara</i> <i>UCSI University</i>	Poster	Video
P331- Pharmaceuticals and personal care products (PPCPs) residues in surface water bodies from Selangor (Malaysia): Occurrence and environmental risk assessment <i>Assistant Prof. Dr. Eugenie Sin Sing Tan</i> <i>UCSI University</i>	Poster	Video

Industrial and Food		
P268- The effects of extraction time and temperature on phenolic compounds and antioxidant capacity of Malaysian Trigona propolis aqueous extract using response surface methodology <i>Mr. Abdullah Hagar</i> <i>International Islamic University Malaysia</i>	Poster	Video
P332- Functionalization of medium-chain-length polyhydroxyalkanoates with methyl acrylate by free radical copolymerization using azobisisobutyronitrile <i>Dr. Chong-Boon Ong.</i> <i>International University of Malaya-Wales</i>	Poster	Video

Microbial		
P111- Isolation and characterisation of probiotic bacteria from livestock and kimchi and assessment of their antibacterial potentials <i>Ms. Annie Mei Tin Low</i> <i>Universiti Tunku Abdul Rahman</i>	Poster	Video
P259- Exopolysaccharides (EPS) from <i>Bifidobacteria pseudocatenalatum</i> induced apoptosis cell death in Caco-2 cells <i>Ms. Husna Zulkipli</i> <i>Universiti Teknologi MARA</i>	Poster	Video
P260- Optimization of milk fermentation incorporated with recombinant <i>Lactococcus lactis</i> NZ3900 <i>Ms. Yu Hsuan How</i> <i>UCSI University</i>	Poster	Video
P261- Determination of total phenolic content and antibacterial activities of Malaysian traditional plants against selected pathogenic bacteria <i>Mr. Ibrahim Abuga</i> <i>International Islamic University Malaysia</i>	Poster	Video
P262- Evaluating the specificity of a bacterial leukotoxin LtxA on targeting human integrin: Towards a potential therapeutic agent against LFA-1 mediated autoimmune diseases <i>Ms. Pei Yin Lee</i> <i>UCSI University</i>	Poster	Video
P263- Isolation and characterization of prenyltransferase isomers from <i>Boesenbergia rotunda</i> <i>Ms. Alicia Jia Huey Ng</i> <i>Universiti Malaya</i>	Poster	Video
P264- Identification and characterization of novel non-protein coding RNAs (npcRNAs) associated with global transcriptional regulator, Hfq in pathogenic bacteria <i>S. Typhi</i> <i>Ms. Kishonthani Krusnamurthy</i> <i>AIMST University</i>	Poster	Video
P265- Knocking-out the non-protein coding RNA gene (PmiR-137) in <i>Proteus mirabilis</i> to understand its role in pathogenesis <i>Ms. Abirami Sanniraj</i> <i>AIMST University</i>	Poster	Video
P267- Identification of cucumber-associated fungus by using recombinase polymerase amplification (RPA) method <i>Ms. Wan Hawa Najibah Wan Rasni</i> <i>Universiti Sains Islam Malaysia</i>	Poster	Video

P334- Molecular characterization and phylogenetic analysis of an <i>Enterococcus faecium</i> isolate from a clinical sample in Sabah, Malaysia <i>Associate Prof. Dr. Mohammad Zahirul Hoque</i> <i>Universiti Malaysia Sabah</i>	Poster	Video
P335- Prevalence and genetic diversity of PVL-positive <i>Staphylococcus aureus</i> nasal carriers among patients and healthcare-workers in a tertiary hospital in Selangor – Malaysia <i>Dr. Hassanain Al-Talib</i> <i>Universiti Teknologi MARA</i>	Poster	Video
P336- Identification of lactic acid bacteria through phenotype and genotype based methods <i>Ms. Nur Ilida Mohamad</i> <i>Malaysian Agricultural Research and Development Institute</i>	Poster	Video

4th ICMBB 2021 3MPP Live Q&A Session Schedule (1st June 2021)

The 3MPP judges will be asking their questions to the participants during these Q&A sessions.

If you have any questions about their research, you can get in contact with them using Zoom's private chat function during these sessions.

Molecular Biology

Biotechnology

Session 1

Time	Breakout Room A <i>Chairperson:</i> <i>Dr. Alan Tan Yee Hock</i> <i>(UCSI)</i>	Breakout Room B <i>Chairperson:</i> <i>Asst. Prof. Yap Wai Sum</i> <i>(UCSI)</i>	Breakout Room C <i>Chairperson:</i> <i>Dr. Cheong Fei Wen</i> <i>(UM)</i>	Breakout Room D <i>Chairperson:</i> <i>Assoc. Prof. Dr Dharmani Devi</i> <i>(UM)</i>	Breakout Room E: <i>Chairperson:</i> <i>Assoc. Prof. Dr Siti Hamimah</i> <i>(UiTM)</i>	Breakout Room F <i>Chairperson:</i> <i>Assoc. Prof. Dr. Crystale Lim</i> <i>(UCSI)</i>
2:00PM – 2:05PM	P202- Antagonistic and inhibitory potentials of some natural β -carboline alkaloids against 5-HT _{1A} homology receptor as potent antidepressants <i>Mr. Yusuf Ayipo</i> <i>Universiti Sains Malaysia</i>	P214- Effects of <i>trans</i> -resveratrol and RU-615 on human trabecular meshwork cells morphology and viability <i>Ms. Amy Suzana Abu Bakar</i> <i>Universiti Teknologi MARA</i>	P224- HMGCR expression in relation to HER2 status of breast cancer <i>Ms. Rosmaizan Drahan</i> <i>Universiti Sains Malaysia</i>	P234- Determining structural stability of glucose-6-phosphate dehydrogenase deficiency variants using molecular dynamics simulation <i>Mr. Naveen Louis</i> <i>Universiti Teknologi Malaysia</i>	P231- Production truncated bacterial leukotoxin from <i>Aggregatibacter actinomycetemcomitans</i> via different types of expression system <i>Ms. Sook Kee Chong</i> <i>UCSI University</i>	P212- Modification of Kapok fibres into porous beads for marine oil spill remediation efforts <i>Mr. Zhi Yong Kang</i> <i>UCSI University</i>
2:05PM – 2:10PM	P203- Phytochemical composition and antioxidant potential of methanolic extract of filamentous <i>Anabaena</i> sp. and unicellular <i>Microcystis</i> sp. <i>Ms. Reem Abdulsalam Al-Nedawe</i> <i>Universiti Putra Malaysia</i>	P215- The toxicity level of raw titanium alloy sample (Ti-6Al-4V) on human periodontal ligament fibroblast <i>Mr. Mohammad Idham Abd Hamid</i> <i>Universiti Sains Malaysia</i>	P225- Proteomic analysis reveals protective role of melatonin in tumour-prone <i>Drosophila melanogaster</i> lethal giant larvae mutants <i>Ms. Kar Cheng Wong</i> <i>Universiti Malaya</i>	P235- Comparative evaluation of commercially available NS1-based serological assays for the detection of anti-ZIKV IgG antibodies <i>Ms. Hooi Yuen Khoo</i> <i>Universiti Malaya</i>	P260- Optimization of milk fermentation incorporated with recombinant <i>Lactococcus lactis</i> NZ3900 <i>Ms. Yu Hsuan How</i> <i>UCSI University</i>	P213- Physical and chemical preventive countermeasures of disinfectants used during the SARS-CoV-2 pandemic: Implications on toxicity and resistance development <i>Mr. Najib Yahaya Sani</i> <i>Universiti Sains Malaysia</i>
2:10PM – 2:15PM	P204- Suppressing cinnamate-4-hydroxylase (C4H) gene using RNA and CRISPR interference systems increases the expression of flavonoid-related genes in ginger and tobacco <i>Mr. Karlson Chou Khai Soong</i> <i>Universiti Malaya</i>	P216- Effect of spironolactone towards proliferation of metastatic osteosarcoma cells HOS-143B <i>Ms. Farhana Khamarudin</i> <i>Universiti Teknologi MARA</i>	P226- Evaluation of antidiabetic activity of methanolic extract of <i>Coccinia grandis</i> (Voight) and <i>Spondias mombin</i> (Linn) leaves in streptozotocin induced diabetic Sprague Dawley rats <i>Mr. Gobinath Ramachawolran</i> <i>AIMST University</i>	P236- Perfluorooctane sulfonate (PFOS) exposure affects beating rate and brain natriuretic peptide (BNP) expression of cardiomyocytes <i>Ms. Siti Suhana Abdullah Soheimi</i> <i>Universiti Teknologi MARA</i>	P261- Determination of total phenolic content and antibacterial activities of Malaysian traditional plants against selected pathogenic bacteria <i>Mr. Ibrahim Abuga</i> <i>International Islamic University Malaysia</i>	P330- Food operators' perceptions on biodegradable food container usage at Subang Jaya: The relationship of environmental knowledge, concern, attitude and usage intention <i>Ms. Kavita Chirara</i> <i>UCSI University</i>

2:15PM – 2:20PM	P205- Generation of superfolder green fluorescent protein variants as non-invasive reporters in plants <i>Mr. Wai Keat Toh</i> <i>Universiti Tunku Abdul Rahman</i>	P217- Genome-wide SNP analysis of the evolutionary multidrug resistant <i>Mycobacterium tuberculosis</i> (MDR-TB) in Malaysia <i>Ms. Hui Wen Teh</i> <i>Universiti Sains Malaysia</i>	P227- Synthesis and characterization of azobenzene derivatives and azobenzene-imidazolium conjugates with selective antimicrobial potential <i>Ms. Halimah Funmilayo Babamale</i> <i>Universiti Sains Malaysia</i>	P237- Downstream effects of berberine treatment in colorectal cancer cell line, HCT 116 <i>Mr. Muhammad Azizan Samad</i> <i>Universiti Malaya</i>	P262- Evaluating the specificity of a bacterial leukotoxin LtxA on targeting human integrin: Towards a potential therapeutic agent against LFA-1 mediated autoimmune diseases <i>Ms. Pei Yin Lee</i> <i>UCSI University</i>	P331- Pharmaceuticals and personal care products (PPCPs) residues in surface water bodies from Selangor (Malaysia): Occurrence and environmental risk assessment <i>Assistant Prof. Dr. Eugenie Sin Sing Tan</i> <i>UCSI University</i>
2:20PM – 2:25PM	P206- Tandem mass tag-based quantitative proteomics analysis reveals the leaf response to drought in <i>Pandanus amaryllifolius</i> <i>Mr. Muhammad Asyraf Mohd Amnan</i> <i>Universiti Malaya</i>	P218- Investigation of cytotoxins from Malaysian cobras (<i>Naja sumatrana</i> and <i>Naja kaouthia</i>) as a potential antineoplastic agent <i>Ms. Ho Phin Chong</i> <i>Universiti Malaya</i>	P228- Changes in inflammatory biomarker VCAM-1 and insulin levels during progression of premature atherosclerosis in rats <i>Ms. Maleeka Abdullah Hilmy</i> <i>Management and Science University</i>	P238- The association of small dense LDL cholesterol level with clinical risk factors of metabolic syndrome subjects in Selangor <i>Ms. Nur Atiqah Auni Razali</i> <i>Universiti Teknologi MARA</i>	P263- Isolation and characterization of prenyltransferase isomers from <i>Boesenbergia rotunda</i> <i>Ms. Alicia Jia Huey Ng</i> <i>Universiti Malaya</i>	P268- The effects of extraction time and temperature on phenolic compounds and antioxidant capacity of Malaysian Trigona propolis aqueous extract using response surface methodology <i>Mr. Abdullah Hagar</i> <i>International Islamic University Malaysia</i>
2:25PM – 2:30PM	P207- Proteomic analysis of giant freshwater prawn, <i>Macrobrachium rosenbergii</i> eyestalks throughout different molting stages <i>Ms. Amy Raihanah Husain</i> <i>Universiti Kebangsaan Malaysia</i>	P220- BPIFB1 role in the regulation of EMT associated genes in the gastric cancer cells <i>Ms. Anis Suraya Mohd Jamil</i> <i>Universiti Teknologi MARA</i>	P229- Investigation of upper respiratory carriage of bacterial pathogens and their antibiotic susceptibility profile in the Kinta Valley, Perak, Malaysia <i>Mr. Hing Huat Ong</i> <i>Universiti Tunku Abdul Rahman</i>	P240- Establishment of reference interval for haematological parameter among Afghan population <i>Ms. Najia Sherzay</i> <i>Universiti Teknologi MARA</i>	P264- Identification and characterization of novel non-protein coding RNAs (npcRNAs) associated with global transcriptional regulator, Hfq in pathogenic bacteria <i>S. Typhi</i> <i>Ms. Kishonthani Krusnamurthy</i> <i>AIMST University</i>	P332- Functionalization of medium-chain-length polyhydroxyalkanoates with methyl acrylate by free radical copolymerization using azobisisobutyronitrile <i>Dr. Chong-Boon Ong.</i> <i>International University of Malaya-Wales</i>
2:30PM – 2:35PM	P208- Waterlogging affects morpho-physiology and group VII ethylene response factor gene expression in banana <i>Ms. Ee Yang Teoh</i> <i>Universiti Malaya</i>	P221- Cell-free supernatants from probiotics inhibit colon cancer cells proliferation <i>Ms. Ifeoma Dikeocha</i> <i>University of Cyberjaya</i>	P230- The anti-proliferative role of 15,16-dihydrotanshinone I (DHTS) extracted from <i>Salvia miltiorrhiza</i> in autosomal dominant polycystic kidney disease (ADPKD) <i>Ms. Rhubaniya Mahendran</i> <i>Universiti Malaya</i>	P241- Differential lipocalin-1 levels in keratoconus in a Malaysian cohort <i>Mr. Jun Bin Ng</i> <i>Universiti Malaya</i>	P265- Knocking-out the non-protein coding RNA gene (PmiR-137) in <i>Proteus mirabilis</i> to understand its role in pathogenesis <i>Ms. Abirami Sanniraj</i> <i>AIMST University</i>	P255- Effect of hsa-miR-3131 transfection upon cell viability in imatinib sensitive and imatinib resistance chronic myeloid leukemia cells <i>Ms. Syarifah Faezah Syed Mohamad</i> <i>Universiti Sains Islam Malaysia</i>

2:35PM – 2:40PM	P211- Metabolite profiling of 50% ethanolic extraction of <i>Clinacanthus nutans</i> by using GC-MS and LC-MS/MS and cytotoxicity analysis of succinic acid, betulinic acid and artemisinin on J774.2 macrophage cell line <i>Mr. Ravi Kumar Kalaichelvam</i> <i>Universiti Sains Malaysia</i>	P223- Antibiotic resistance patterns of WHO priority pathogens isolated from acute pharyngitis patients in private primary care clinics <i>Ms. Christina Shook Cheng Chong</i> <i>UCSI University</i>	P259- Exopolysaccharides (EPS) from <i>Bifidobacteria pseudocatenalatum</i> induced apoptosis cell death in Caco-2 cells <i>Ms. Husna Zulkipli</i> <i>Universiti Teknologi MARA</i>	P242- Deciphering the evolutionary divergence of Bleg1_2478 B3 metallo-β-lactamase from structural perspective <i>Ms. Shaw Xian Au</i> <i>Universiti Putra Malaysia</i>	P267- Identification of cucumber-associated fungus by using recombinase polymerase amplification (RPA) method <i>Ms. Wan Hawa Najibah Wan Rasni</i> <i>Universiti Sains Islam Malaysia</i>	P256- GAS5 associated CeRNA network in lower grade glioma <i>Ms. Jesminder Kaur</i> <i>Universiti Malaya</i>
2:40PM – 2:45PM			P232- Tocotrienol rich fraction (TRF) upregulates farnesoid X receptor (FXR) and modulates FXR target genes in the heart of high fat diet-fed mice <i>Dr. Nur Aliah Natasha Md Shahrulnizam</i> <i>Universiti Teknologi MARA</i>	P243- Tocotrienol-rich fraction (TRF) upregulates antioxidant genes of human endometrial stromal fibroblast cells of endometriosis <i>Ms. Nur Amira Md Amin</i> <i>Universiti Teknologi MARA</i>		P257- Synthesis and cytotoxic effects of novel paclitaxel (PTX)-loaded PLGA (Poly (lactic-co-glycolic acid) nanoparticle bio-conjugate with EGFR monoclonal antibody for triple negative breast cancer <i>Ms. Shalini Krishnan</i> <i>Universiti Sains Malaysia</i>
2:45PM – 2:50PM			P233- Evaluation of antioxidant and antidiabetic capacity of medicinal weeds, <i>Mimosa pudica</i> <i>Ms. Nor Saffana Binti Baharuddin</i> <i>Universiti Putra Malaysia</i>			P258- Hyperglycaemia disrupts FKN and RANK-RANKL-OPG system in a pregnant rat model <i>Dr. Noor Eliza Hashim</i> <i>Universiti Malaya</i>

Session 2

Time	Breakout Room A <i>Chairperson:</i> <i>Asst. Prof. Dr. Pui Liew Phing</i> <i>(UCSI)</i>	Breakout Room B <i>Chairperson:</i> <i>Assoc. Prof. Dr. Eddie Chia</i> <i>(UPM)</i>	Breakout Room C <i>Chairperson:</i> <i>Assoc. Prof. Dr. Siti Sarah Othman</i> <i>(UPM)</i>	Breakout Room D <i>Chairperson:</i> <i>Assoc. Prof. Dr Jamal Houssaini</i> <i>(UiTM)</i>	Breakout Room E <i>Chairperson:</i> <i>Assoc. Prof. Dr Yeo Siok Koon</i> <i>(Taylor's University)</i>
3:00PM – 3:05PM	P318- <i>Mallotus mollissimus</i> and <i>Solanum erianthum</i> carries potential phytochemical with antimicrobial properties <i>Dr. Lucky Poh Wah Goh</i> <i>Universiti Malaysia Sabah</i>	P244- Preliminary evaluation of optimised PCR-based assay for the detection of pathogenic familial hypercholesterolaemia gene variants among Asian population <i>Ms. Norhidayah Rosman</i> <i>Universiti Teknologi MARA</i>	P301- Application of mesenchymal stem cell-derived secretome to promote full-thickness wound healing- an <i>in vivo</i> study <i>Dr. Jia Xian Law</i> <i>Universiti Kebangsaan Malaysia</i>	P311- Knowledge, attitude and perception towards colorectal cancer among public <i>Assistant Prof. Dr. Sheiladevi Sukumaran</i> <i>UCSI University</i>	P111- Isolation and characterisation of probiotic bacteria from livestock and kimchi and assessment of their antibacterial potentials <i>Ms. Annie Mei Tin Low</i> <i>Universiti Tunku Abdul Rahman</i>
3:05PM – 3:10PM	P319- In silico transcriptome-wide mining of transcription factor families in <i>Curcuma alismatifolia</i> (ornamental ginger) <i>Dr. Sima Taheri</i> <i>Universiti Malaya</i>	P245- Global gene expression of obese patients with knee osteoarthritis <i>Ms. Chiaw Lee Chiew</i> <i>Universiti Malaya</i>	P302- Measurement of fatty acid beta-oxidation target protein using in-cell enzyme-linked immunosorbent assay (ELISA) in human fibroblast <i>Ms. Rosnani Mohamed</i> <i>National Institute of Health</i>	P312- Nisin induces apoptosis of MG63 osteosarcoma cells while protecting non-neoplastic cells <i>Dr. Muhammad Fairuz Azmi</i> <i>Universiti Teknologi MARA</i>	P101- In silico characterization of UGT76G1 protein In <i>Stevia rebaudiana</i> Bertoni accessions MS007 <i>Ms. Nor Iswani Mokthar</i> <i>International Islamic University Malaysia</i>
3:10PM – 3:15PM	P320- Metabolome analysis of oil palm friable calli and its development <i>Ms. Dalilah Abu Bakar</i> <i>Malaysian Palm Oil Board</i>	P246- Interaction between in utero BPA exposure and postnatal trans fat diet on small intestine function of male Sprague Dawley rats <i>Ms. Sarah Zulkifli</i> <i>Universiti Teknologi MARA</i>	P303- Pyrogallol induces antimicrobial effect and cell membrane disruption on methicillin resistant <i>Staphylococcus aureus</i> (MRSA) <i>Dr. Yik Ling Chew</i> <i>UCSI University</i>	P313- Air pollution skin effects and hospital admissions for eczema in Kuala Lumpur, Malaysia <i>Mr. Thavin Kumar Mathana Sundram</i> <i>UCSI University</i>	P102- Investigation of the antibacterial potentials of the black soldier fly (<i>Hermetia illucens</i>) larvae <i>Ms. An Nie Tee</i> <i>Universiti Tunku Abdul Rahman</i>
3:15PM – 3:20PM	P321- Classification of multifunctional and multisubunit oil palm acetyl-CoA carboxylase (ACCase) via domain analysis <i>Ms. Nadzirah Amiruddin</i> <i>Malaysian Palm Oil Board</i>	P247- Natural quinones induce ROS-mediated apoptosis and inhibit cell migration in PANC-1 human pancreatic cancer cell line <i>Mr. Prasad Narayanan</i> <i>Universiti Malaya</i>	P304- Cervical cancer and next generation sequencing (NGS): a systematic review <i>Associate Prof. Dr. Nazefah Abdul Hamid</i> <i>Universiti Sains Islam Malaysia</i>	P314- Real-time reverse transcription loop-mediated isothermal amplification for rapid detection of SARS-CoV2 <i>Prof. Dr. Yee Ling Lau</i> <i>Universiti Malaya</i>	P103- In silico identification and characterization of kaurene synthase protein in <i>Stevia rebaudiana</i> MS007 <i>Ms. Fathiah Rosilan</i> <i>International Islamic University Malaysia</i>

3:20PM – 3:25PM	P322- Variability in yield components and vegetative traits of 3-way crosses oil palm progenies <i>Ms. Nor Azwani Abu Bakar</i> <i>Malaysian Palm Oil Board</i>	P248- Cytotoxicity effects of allicin towards human oral squamous cell carcinoma (OSCC) cell lines, ORL-48 and SCC-15 <i>Ms. Farrah Hazwani</i> <i>Universiti Teknologi MARA</i>	P305- Antimicrobial effect of <i>Quercus infectoria</i> and <i>Acorus calamus</i> in wound model <i>Ms. Sharmanee Thiagarajah</i> <i>UCSI University</i>	P315- Comparative proteomics profiling of serum of women with BI-RADS scores of 1 to 5 using gel-based approaches <i>Dr. Jaime Jayapalan</i> <i>Universiti Malaya</i>	P104- Antifungal and antimicrobial activity of <i>Solanum nigrum</i> and <i>Solanum torvum</i> mediated silver nanoparticles <i>Ms. Melannie Roberts</i> <i>AIMST University</i>
3:25PM – 3:30PM	P323- Optimization of protoplast isolation from oil palm <i>in vitro</i>-derived leaf and mesocarp <i>Mr. Mohd Al Akmarul Fizree Md Piji</i> <i>Malaysian Palm Oil Board</i>	P249- Evaluation of cadmium treatment on ATP level, cell membrane integrity and cell viability in Caco-2 cell line <i>Mr. Fu Hou Wong</i> <i>UCSI University</i>	P306- Detection of nuclear & surface marker of pluripotency in human induced pluripotent stem cells by immunofluorescent microscopy <i>Ms. Nur Jannaim binti Muhamad</i> <i>National Institute of Health</i>	P316- Effect of R92L and R92P mutations in ornithine transcarbamylase (OTCase) enzyme <i>Dr. Ernie Zuraida Ali</i> <i>National Institute of Health</i>	P105- The effectiveness of crude palm oil in preventing Alzheimer's disease induced in rat <i>Ms. Siti Norliyana Che Mat Zubaidi</i> <i>Management and Science University</i>
3:30PM – 3:35PM	P324- Preliminary analysis of QTLs associated with yield components in oil palm (<i>Elaeis guineensis</i> Jacq.) through association mapping <i>Ms. Suzana Mustaffa</i> <i>Malaysian Palm Oil Board</i>	P250- Apoptotic mechanisms of tocotrienol isomers towards oral squamous carcinoma cell lines, ORL-48 <i>Ms. Atiqa Syazwani Ridzuan</i> <i>Universiti Teknologi MARA</i>	P307- <i>In vitro</i> screening of selected ulam for the inhibition of CYP450 3A4 activity <i>Dr. Wan Rosalina Wan Rosli</i> <i>University of Cyberjaya</i>	P317- Wnt pathway gene expression in oral squamous cell carcinoma <i>Dr. Nyi Mas Siti Purwaningsih</i> <i>Universiti Teknologi MARA</i>	P106- CRISPR-Cas9 as a cancer therapy <i>Mr. Ali Adil</i> <i>Al-Furat Al-Awsat Technical University</i>
3:35PM – 3:40PM	P325- Oil palm tissue culture system for artificial inoculation study of <i>Ganoderma boninense</i> <i>Dr. Pei Lee Angel Lee</i> <i>Malaysian Palm Oil Board</i>	P251- Modulation of small interfering RNA in Newcastle disease virus persistently infected colorectal cancer cells <i>Mr. Lee Chin Chan</i> <i>Universiti Putra Malaysia</i>	P308- Cytokilling effect of NK-92 cells on nasopharyngeal carcinoma (NPC) cell lines <i>Ms. Marini Marzuki</i> <i>National Institute of Health</i>	P334- Molecular characterization and phylogenetic analysis of an <i>Enterococcus faecium</i> isolate from a clinical sample in Sabah, Malaysia <i>Associate Prof. Dr. Mohammad Zahirul Hoque</i> <i>Universiti Malaysia Sabah</i>	P107- Elucidating the effectiveness of <i>Elaeis Guineensis</i> on sex hormone in PCOS induced rats <i>Ms. Vigneswary Thiruselvam</i> <i>Management and Science University</i>
3:40PM – 3:45PM	P269- Transcriptome analysis of virus-host interactions between the lytic bacteriophage DchS1 and the soft-rot macergen, <i>Dickeya chrysanthemi</i> <i>Mr. Ming Wei Lew</i> <i>AIMST University</i>	P252- Expression of dominant AMPK gamma 1 subunit gene in post-mortem obese human perihepatic adipose tissue <i>Ms. Norainfarahin Zainal Aznam</i> <i>Universiti Teknologi MARA</i>	P309- Cytotoxic effect of lapatinib on T84 human colonic epithelial cell line <i>Dr. Wan Nor I'zzah Wan Mohamad Zain</i> <i>Universiti Teknologi MARA</i>	P335- Prevalence and genetic diversity of PVL-positive <i>Staphylococcus aureus</i> nasal carriers among patients and healthcare-workers in a tertiary hospital in Selangor –Malaysia <i>Dr. Hassanain Al-Talib</i> <i>Universiti Teknologi MARA</i>	P108- Over-expression and purification of <i>Acinetobacter baumannii</i> Hfq protein in BL21 cells <i>Ms. Kanchana Appalasamy</i> <i>AIMST University</i>

3:45PM – 3:50PM	P327- Production of recombinant iridovirus coat protein using a synthetic biology approach <i>Associate Prof. Dr. Kenneth Rodrigues</i> <i>Universiti Malaysia Sabah</i>	P253- Primer and probe conservation issue in the quantification of hepatitis B virus DNA <i>Ms. Chye Phing Teh</i> <i>Sunway University</i>	P310- Drug repurposing for COVID-19 and understanding the molecular action pathways of SARS-CoV-2 <i>Dr. Idris Adewale Ahmed</i> <i>Universiti Malaya</i>	P336- Identification of lactic acid bacteria through phenotype and genotype based methods <i>Ms. Nur Ilida Mohamad</i> <i>Malaysian Agricultural Research and Development Institute</i>	P109- Transcriptome analysis of <i>S. Typhi</i> treated with durian waste (rind) mediated silver nanoparticles <i>Ms. Savithri Shanmugam</i> <i>AIMST University</i>
3:50PM – 3:55PM	P328- <i>In vitro</i> proliferation of shoots and callus of <i>Talinum paniculatum</i> (Jacq.) Gaertn <i>Mr. Shahril Efzueni Rozali</i> <i>International University of Malaya-Wales</i>	P254- Inhibitory effect of 1-DNJ towards on extracellular matrix proteins expression in osteosarcoma cells <i>Ms. Zulaika Roslan</i> <i>Universiti Teknologi MARA</i>			P110- Renal protective effects of <i>Trigonella foenum-graecum</i> seeds on morphine withdrawal rats <i>Ms. Sutha Sharminni</i> <i>Management and Science University</i>
3:55PM – 4:00PM	P329- Identification of putative olfactory proteins from a key palm oil pollinating weevil, <i>Elaeidobius kamerunicus</i> <i>Mr. Nabeel Muneim</i> <i>Malaysian Palm Oil Board</i>				