



BIL 2/2023

APRIL-JUN 2023

## Jabatan Biosains, Fakulti Sains, Universiti Teknologi Malaysia

### Biobuzz Team

**PENASIHAT:**

PM. Dr. Alina Wagiran

**PENGERUSI:**

Dr. Nurzila Ab Latif

**AHLI:**

PM. Dr. Nor Azimah  
 Mohd Zain, Dr. Wan  
 Rosmiza Zana Wan Da-  
 gang, PM. Dr. Razauden  
 Mohamed Zulkifli, PM.  
 Dr. Norahim Ibrahim,  
 Dr. Siti Halimah  
 Hasmoni,  
 Amalina Ramli,  
 Hamidah Mat Arif,  
 Norsyuhada Jaafar

### Staff Corner


**April**

NURASHIKIN BINTI IHSAN	3 April
RAIHANA BINTI RIDZUAN	13 April
NUR IZZATI BINTI MOHD NOH	14 April
NAZIRUL MUBIN BIN NORMANSAH	16 April

**Mei**

MOHD HELMI BIN SANI	2 Mei
AMALINA BINTI RAMLI	5 Mei
SITI HALIMAH BINTI HASMONI	5 Mei
MUHAMMAD RUZAINI BIN RAMLI	25 Mei
NOR ZALINA BINTI OTHMAN	27 Mei

**Jun**

MUHAMMAD HANIF MUHAMMAD HATTA	5 Jun
NICOLE LEONG HONG YENG	7 Jun
MADIHAH BINTI MD SALLEH	8 Jun
AZMAN BIN ABD SAMAD	9 Jun
NIK AHMAD NIZAM BIN NIK MALEK	18 Jun
ZALEHA BINTI JAAFAR	23 Jun
PRASEETHA A/P PRABHAKARAN	25 Jun
NORSYUHADA BINTI JAAFAR	27 Jun



## Audit Kendiri Persekutaran, Keselamatan dan Kesihatan Pekerjaan (AKKP)

Audit AKKP dalam bagi Jabatan Biosains telah diaudit oleh staf makmal dari T05 selaku auditor. Kumpulan auditor dari T05 dibahagikan kepada 3 kumpulan bagi menjalankan audit bagi 33 buah makmal di T02. Sesi audit telah berjalan dari 5 hingga 12 April 2023.



## Sesi Bergambar Sempena Sambutan Hari Raya Aidilfitri



Sesi bergambar bersama warga Fakulti Sains telah diadakan pada 6 April 2023. Seluruh warga FS berkumpul di Taman Tropika UTM untuk bersama-sama bergambar sempena menyambut Aidilfitri pada 22 April 2023.

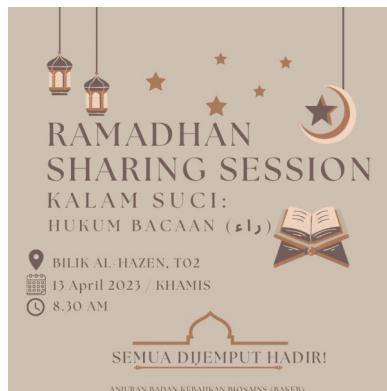


## Gotong-royong di Blok T02

Aktiviti gotong-royong keluarga FS di blok T02 telah diadakan pada 6 April yang lalu untuk menceriakan persekitaran dan memastikan staf dan pelajar di T02 sentiasa berada dalam suasana bersih dan selamat. Aktiviti ini telah disertai staf dan juga pelajar Biosains.



## Pengisian bulan Ramadhan 2023/1444H



Sepanjang bulan Ramadhan 2023/ 1444H, BAKEB telah menganjurkan beberapa siri perkongsian antaranya adalah Kalam Suci: Hukum Bacaan. Program ini disampaikan oleh Dr. Abdul Fattah dan dihadiri oleh ahli jabatan yang berkelapan-gan.

## Majlis Khatam Al-Quran BAKEB 2023/ 1444H

Pada 18 April 2023, telah berlangsung Majlis khatam AL-Quran, anjuran BAKEB. Majlis ini telah dihadiri oleh ahli jabatan dan ia diketuai oleh Dr. Abdul Fattah. Semoga ahli majlis mendapat keberkatan dari-Nya.



## Kutipan Sisa Biologi Siri 2 dan 3



Kutipan sisa biologi ini telah dilaksanakan setiap bulan untuk mengelakkan lambakan sisa biologi kerana ruangan penyimpanan adalah terhad. Kutipan dibuat oleh syarikat yang dilantik oleh IBC UTM iaitu Cenviro Sdn. Bhd. dan dipantau oleh Pu-an Suhaidah Suleiman selaku pegawai bertanggungjawab menguruskan sisa biologi di Jabatan Biosains T02. Sesi kutipan ini telah dilaksanakan pada 18 Mei dan 19 Jun yang lalu.

## Perbincangan Bersama IBMC Rusia



Julung kalinya kunjungan daripada delegasi yang terdiri daripada penyelidik dari Rusia. Para jemputan disambut oleh pentadbir Fakulti Sains. Sesi perbincangan ini telah berlangsung di Auditorium Al-Razi, T02 pada 11 Mei 2023 yang lalu.

## Jamuan Hari Raya Aidilfitri Jabatan Biosains 1444H



Sambutan Aidilfitri peringkat Jabatan Biosains serta sambutan ulang tahun kelahiran staf bulan Jan-Mei 2023 telah diadakan dengan penuh kemeriahian dengan kehadiran lebih 40 orang staf bertempat di Dewan Seminar Al-Dinawari bermula dari jam 10 pagi dan berakhir pada jam 12 tengahari. Majlis dimulakan dengan ucapan aluan dari pengurus BAKEB diikuti dengan ucapan Pengarah Jabatan Biosains, Prof. Madya Dr. Alina Wagiran. Majlis diakhiri dengan sesi fotografi. Majlis ini telah dilaksanakan pada 18 Mei 2023 yang lalu.

## Program Know Transfer Bersama komuniti SMK Mutiara Rini 2



Pada hari Rabu 7hb Jun 2023, program berbentuk pemindahan ilmu telah diadakan di SMK Mutiara Rini 2 yang dihadiri lebih 70 orang murid terdiri dari Tingkatan 1 dan Tingkatan 2. Prof. Madya Dr. Norahim Ibrahim dari Jabatan Biosains, Fakulti Sains UTM telah dijemput untuk berkongsi pengisian tentang penghasilan tanaman secara organik dan asas penternakan arnab kepada peserta-peserta program. Lebih 100kg sisa organik telah berjaya dikumpul dan diproses oleh komuniti sekolah dan digunakan sebagai bahan asas di dalam penyuburan tanah menggunakan teknik bokashi. 8 buah *planter box* yang dibina khas oleh pihak sekolah telah diisi dengan baja organik tersebut bagi tujuan pembelajaran pelajar-pelajar berkenaan. Sesi tersebut bertambah meriah dengan kehadiran 8 ekor arnab yang akan diletakkan di bawah jagaan pelajar-pelajar yang rata-ratanya teruja dengan kehadiran haiwan-haiwan comel itu. Ini merupakan sebahagian inisiatif pihak UTM di dalam usaha menggalakkan lagi komuniti setempat mempelajari asas dan aplikasi kitar semula sisa organik.

## Demonstrasi Pengenalan Penggunaan Alat UV-Vis Spectrometer

Sesi demonstrasi dibuat oleh syarikat Thermoscientific bagi memperkenalkan model terbaru spectrophotometer yang bersesuaian untuk kegunaan makmal pengajaran yang mana data boleh diproses dalam masa 2 saat sahaja. Sesi demonstrasi ini dihadiri staf-staf yang terlibat dalam penggunaan alatan ini semasa amali, antaranya Wan Aznida, Noor Hidayah, Muhamad Ruzaini, Muhammad Hanif, Norsyuhada, Suhaidah dan Pegawai Sains, Puan Amalina yang bertanggungjawab meneruskan proses perolehan bagi keperluan penggunaan di makmal pengajaran. Sesi demonstrasi ini telah dijalankan pada 1 Jun 2023 yang lalu.



## Career and Alumni Fair, Faculty of Science 2023

The Career and Alumni Fair, Faculty of Science 2023 (CAFFS 2023) was successfully conducted on June 8<sup>th</sup>, 2023. This event is part of the MyRoadmap program under the Faculty of Science for our final year undergraduate students to get them prepared upon embarking the next stage of their life which is the work life. The chemistry department took the lead in organizing CAFFS this year, with participation from UTMCC, UTM Alumni, industry representatives, and alumni from each department. The morning session of the program took place at N24, involving the entire faculty, while the afternoon session was held at individual department. For Department of Bioscience, this program was led by Dr. Wan Fatin Amira. A mock interview session was conducted by our 5 Alumni representing the industry: Ms. Ching Xin Huey (Impact Volution Sdn Bhd), Mr. Muhammad Afiq bin Khir Anuar (Biocon Sdn. Bhd.), Mr. Fahmi bin Othman (PSV Laboratory Sdn Bhd), Ms. Fatin Natasha binti Yusof (Spectra Laboratory Sdn Bhd), and Ms. Nur Azreen binti Saidon (UTM Space). The session ended with a closing ceremony officiated by our Director of Bioscience Assoc. Prof. Dr. Alina Wagiran and showed our appreciation to our Alumni. We are looking forward for more Alumni participation in the future. We extend our highest appreciation to the alumni involved, the 2nd-year students crew, and the Task Force comprising dedicated lecturers who worked tirelessly to ensure the success of this program.



## Microbiology Practical Skills Enhancement Program



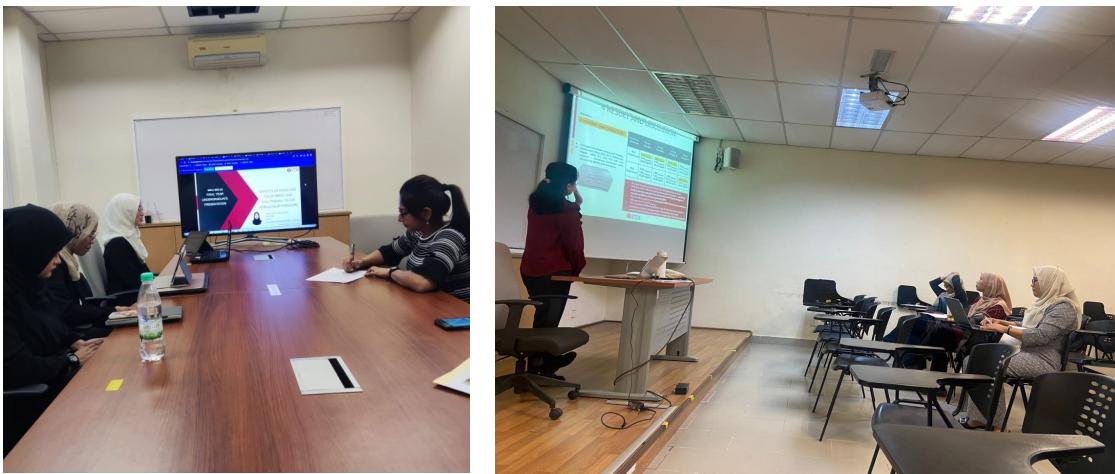
This program (6<sup>th</sup>, 9<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> June 2023) was spearheaded by Dr. Nur Izzati for all our 3rd year student who were unable to experience Microbiology practical session during their first year due to the Malaysia Restriction Movement order back in 2020. Dr. Azman, Dr. Nurliyana, Dr. Siti Halimah, Dr. Nurzila, Dr. Nur Izzati and Dr. Raihana were the facilitators for this program with the help of our lab staff, Pn. Farah Wahida, Pn. Suhaidah, Pn. Wan Aznida, Pn. Noor Hidayah, En. Mohd Hasrul and En. Muhammad Shahril. The program aims to help the students experience basic hands-on microbiology practical skills and techniques. Through this program, the students were able to went sampling on their own from the environment, isolate and observe their samples on the plate and also via microscope.

## Industrial Visit to Arif Efektif Sdn Bhd by Students from Enzyme Technology Course (SSCB 2823)

Students from Enzyme Technology course (SSCB 2823) this semester conducted a one day industrial visit (14<sup>th</sup> June 2023) to Arif Efektif Sdn. Bhd. accompanied by their course lecturers Dr. Nurashikin and Dr. Nurriza. This exposure helps the students to be beyond the classroom and able to relate scientific theories with practical knowledge on how it is used in the industry. Furthermore, it helps the students discover about one of the biological industry in Malaysia and how the knowledge they gain from this course was applied in the industry.



## Final Year Project Symposium 2023



Congratulations to all the 4<sup>th</sup> year students of Biosciences Department for successfully completing their final presentations! The symposium was conducted on 13<sup>th</sup> and 20<sup>th</sup> June 2023. We acknowledge the countless sleepless nights and hard work that went into this achievement, and we truly hope it has paid off. Our heartfelt gratitude to the task force, composed of dedicated third-year students serving as chairpersons and timekeepers for each session, as well as the support staff and IT staff who provided technical assistance. Special thanks go to our esteemed academic staff who dedicated their valuable time as examiners, providing thoughtful comments and suggestions for the final thesis submissions. Keep up the great work and continue to shine!

## Malaysian Professor Teams Up with Indonesian Researchers to Explore Lapindo Mud Volcano Microbes



Prof. Dr. Fahrul Zaman Huyop, has teamed up with the Biology Department at University Brawijaya in Indonesia for a joint research program. They will investigate the unique microbes found in the Lapindo mud volcano area of Surabaya, Indonesia. The Lapindo mud volcano, known as Lumpur Lapindo, is the world's largest mud volcano and has been erupting since May 2006. The microbes in this area hold potential for biotechnology and environmental applications. Prof. Fahrul specializes in metagenomic studies, analysing the genetic material of environmental microbes. Previously, he researched archaebacteria in Turkey's high salt Lake Tuz in collaboration with Dr. Yilmaz Kaya from Ondokuz Mayis University. This collaboration sets the stage for a future Memorandum of Understanding (MoU) between UTM and University Brawijaya on 23<sup>th</sup> June 2023. It will advance our knowledge of the microbial ecosystem in the Lapindo area and foster ongoing cooperation between the two institutions. Congratulations Prof. Fahrul Zaman Huyop !

## Bioscience Student Bionight Dinner



The Bioscience Student Bionight Dinner was held on 23<sup>rd</sup> June 2023 at the D'Elegance Hotel in Bandar Seri Alam, Masai, Johor. It was a remarkable event that served as a celebration for the final year students who were about to embark on their graduation journey. Congratulations all!

## Program Undergraduate Research Conference (URC) 2023



Program ini yang diadakan pada 25 Jun 2023 di Dewan Sri Perdana UTM merupakan anjuran Institute for Life-Ready Graduate (UTM iLeaGue) dan melibatkan seramai 200 orang pelajar tahun akhir dari pelbagai fakulti. 4 orang pelajar tahun akhir dari Jabatan Biosains telah menyertai program ini. Mereka adalah:

- 1) Julia Ameera (penyelia : Dr. Mohd. Firdaus)
- 2) Noor Laila Ameera (penyelia: Dr. Nurriza)
- 3) Chia Pei See (penyelia : PM

Dr. Chong Chun Shiong)  
4) Toh Shek Man (penyelia : Dr. Nurriza)

Tahniah diucapkan kepada Noor Laila Ameera dan Toh Shek Man (penyelia: Dr Nurriza), kerana telah memenangi pertandingan *3 Minutes Final Year Project* (3MFYP) dan “*Best Undergraduate Research Award*”.

Semoga kejayaan ini memberi semangat kepada pelajar-pelajar lain untuk terus berusaha sebaik-baik. Tahniah!

## LI Sharing: Forum Kerjaya

Program LI Sharing: Forum Kerjaya merupakan program yang memfokuskan perkongsian pengalaman latihan industri (LI) pelajar kohort 2020/2021 (kini pelajar tahun 4 pada 2023) yang telah menjalani LI pada tahun 3 (2022) kepada pelajar kohort 2021/2022 (tahun 3 pada 2023). Melalui program ini, pelajar yang bakal menjalani LI berpeluang mengetahui tip dan perkara-perkara yang wajar dipraktikkan seperti perancangan kewangan, perancangan penempatan, kemahiran berkomunikasi, pengurusan masa, penulisan buku log dan perancangan mini projek LI, selain perkara-perkara yang patut dielakkan daripada dilakukan semasa menjalani LI. Pada kali ini, Jabatan Biosains telah menjemput pihak Malaysian Bioeconomy Development Corporation Sdn. Bhd. (MBDC) dan Talent Corporation Malaysia Berhad (TalentCorp) sebagai pengisian tambahan berkaitan panduan dan perancangan kerjaya khasnya untuk para pelajar bidang bioteknologi. Program ini diadakan secara atas talian menerusi platform Webex.



## Final Year Undergraduate Symposium Closing ceremony



Congratulations to all of the 21 students and their respective supervisors from the De-partment of Biosciences for receiving the Best FYUP Presenter Award. The closing cer-emony was held on 27<sup>th</sup> June 2023.

## ICBME2023 Gears Up for a Successful Conference in Bali



The 5<sup>th</sup> ICBME2023 Committee Meeting was held at Udayana University, Denpasar, on June 28, 2023. Dr. Gunam, the conference chairman, welcomed the committee members and gave an overview of the conference. Prof. Dr. Fahrul Zaman Huyop (Department of Biosciences) and Assoc. Prof. Dr. Roswanira Ab Wahab from Universiti Teknologi Malaysia were among the attendees. The next day, the committee visited the Four Seasons Hotel at Unggasan, the venue for the upcoming ICBME/ICIAT event. The hotel management engaged in an open discussion with the conference organizers and assured them that the venue was well prepared. The conference will also feature two pre-conference workshops: Nanomaterials Characterization & Performance Analysis and Whole Genome Sequencing & Protein Modelling. More details can be found on the conference website: <https://research.utm.my/csnano/icbme-iciat-2023/>. For publication, ICBME opts for SCOPUS-indexed Web of Conferences (EDP Publisher-France) to publish conference proceedings. The link to Web of Conferences is: <https://www.webofconferences.org/>. Alternatively, ICBME2023 participants can submit their papers to the non-indexed Journal of Material in Life Sciences (JOMALISC) (UTM Press Publisher). ICBME2023 has received a sponsorship of RM5000 from NS Field Sdn. Bhd., a producer of green honey in Sabah and You Baby Sdn. Bhd. We have high hopes for the program's success.

## Alumni Corner



## Meet Our Alumni

### AZRUL RAZI BIN MOHD

Course (batch): BSc. Industrial Biology (2005)



*Always keep positive mind*

### SITI NUR HAZIQAH BINTI YAHYA

Course (batch): BSc. Biology (2019)

Position: Quality Assurance Assistant Supervisor

Company: Goto Precision Engineering (M) SDN BHD

Job scope: Ensure that all the quality system and procedures of the company are implemented and adhered to. Ensure that all testing and inspection equipment are functional, accurate and calibrated.

*Opportunities don't happen, you create them*



