



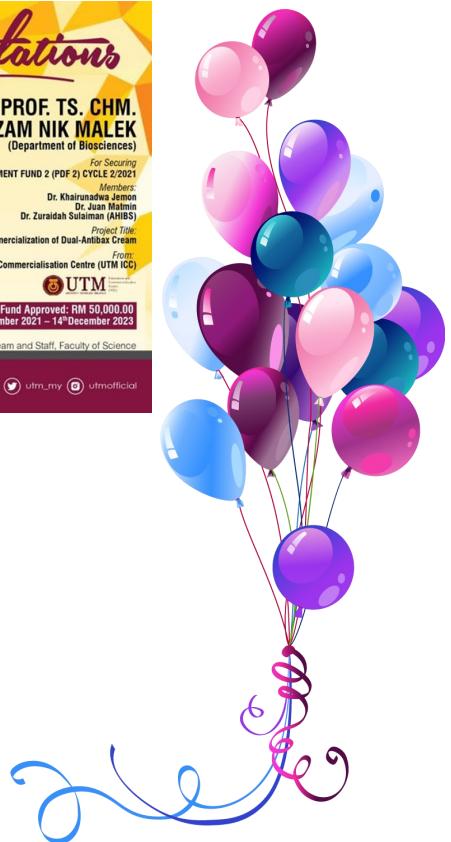
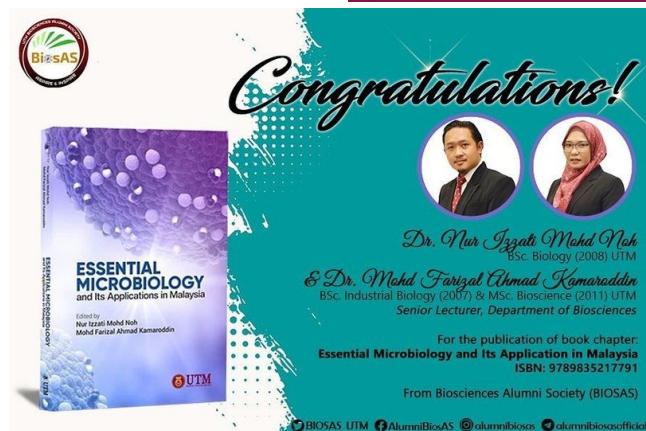
UTM
UNIVERSITI TEKNOLOGI MALAYSIA

BioBuzz

Jabatan Biosains, Fakulti Sains, Universiti Teknologi Malaysia

e-ISSN: 2756-8725 OKT- DIS 2021

STAFF CORNER



OKTOBER	
YUSNIZAM SAMSUDIN	1 OKTOBER
ABDUL FATTAH A. SAMAD	3 OKTOBER
NOR AZIMAH MOHD ZAIN	4 OKTOBER
SALEHA SHAHAR	8 OKTOBER
NOR ANIZAH KARIM	12 OKTOBER
FAZILAH ABD MANAN	14 OKTOBER
FAEZAH MOHD SALLEH	19 OKTOBER
SYAZWANI ITRI AMRAN	31 OKTOBER
NOVEMBER	
FARAH WAHIDA ZAIMUDIN	6 NOVEMBER
HARYATI JAMALUDDIN	7 NOVEMBER
NORAHIM IBRAHIM	9 NOVEMBER
NOOR HIDAYAH MD NOOH	24 NOVEMBER
DISEMBER	
NOR AZLAN NASRUDIN	5 DISEMBER
NURLIYANA AHMAD ZAWAWI	20 DISEMBER
ZAIIDAH RAHMAT	23 DISEMBER
ZULFAUZI ZAKARIA	8 DISEMBER



BioBuzz Team

Penasihat: Dr. Alina Wagiran.

Pengerusi: Dr. Nurzila Ab Latif.

Ahli: Dr. Nor Azimah Mohd Zain,
Dr. Wan Rosmiza Zana Wan Dagang,
Amalina Ramli,
Hamidah Mat Arif,
Wan Aznida Wan Mohd Anuar.

STAFF ACTIVITIES



5 Oktober 2021

Asas Pengurusan Tanaman Secara Fertigasi 2021 (Webinar Siri 1)

Pada 5 Oktober 2021 telah berlangsung satu webinar bertajuk 'Asas Pengurusan Tanaman Cili dan Melon secara Fertigasi' anjuran Jabatan Biosains secara talian. Sesi webinar ini telah dikendalikan oleh Dr. Alina Wagiran selaku moderator majlis manakala Dr. Raihana Ridzuan dan Dr. Azman Abd Samad telah dijemput sebagai penceramah. Webinar ini dijalankan selaras dengan usaha sama di antara Jabatan Biosains, Fakulti Sains UTM dan Jabatan Pertanian Negeri Johor yang menaja peralatan fertigasi dan anak pokok cili kepada komuniti Pangaspuri Kenari, Kangkar Pulai.

7 Oktober 2021

Pada 7 Oktober 2021, telah berlangsung satu program yang bertajuk 'Spesies Invasif & Keseimbangan Ekosistem di UTM'. Dr. Mohd Farizal Ahmad Kamaroddin telah dijemput sebagai penceramah bagi sesi tersebut. Program ini dianjurkan oleh Institusi Pembangunan Fellow UTM menerusi FB live. Bagi yang tidak berkesempatan mengikuti sesi tersebut boleh menyaksikannya kembali di link: <https://www.facebook.com/ipfutm/videos/569385584369870>



SIRI LAWATAN KERJA *CHEMICAL HAZARD RISK ASSESSMENT (CHRA)*

Lawatan kerja dan temubual bagi *Chemical Hazard Risk Assessment (CHRA)* telah dijalankan ke semua makmal yang mengandungi bahan kimia di Jabatan Biosains. Lawatan ini diketuai oleh Jurutera Perunding dari Syarikat Zabsi Industrial Ventilation Sdn. Bhd.

13 - 14 Oktober, 3 & 28 November 2021

STAFF ACTIVITIES

25 Oktober, 21 November & 19 Disember 2021



AKTIVITI PELUPUSAN SISA BIOLOGI

Aktiviti kutipan sisa biologi telah berjalan dengan lancar. Aktiviti pelupusan bulanan ini telah disambung semula selepas fasa 3 Pelan Pemulihan Negara (PPN) yang dikendalikan oleh Pn. Norsyuhada Jaafar.



AUDIT FIZIKAL ASET ALIH 2021

25 Oktober - 1 November 2021

Sesi audit fizikal aset alih ini perlu dilaksanakan setahun sekali dan telah melibatkan semua staf makmal. Audit ini bertujuan untuk memastikan semua aset alih berada di lokasi yang didaftarkan, dokumen yang berkaitan adalah lengkap dan dikemaskini.

ACS Malaysia Industry & Career Talk 2021
25 OCTOBER 2021 (MONDAY)
8.00 - 10.00 PM MYT (UTC+8)

SPEAKER:
Dr. Amir Faizal Abdul-Manan
Science Specialist,
Strategic Transport Analysis Team (STAT),
Transport Technologies R&D, Saudi Aramco

MODERATOR:
ChM. Dr. Mohd Firdaus Abdul Wahab
Chair, ACS Malaysia Chapter

Topics:
Industry Section (8-9 pm)- "Powering Mobility in a Carbon Constrained World"
Career Section (9-10 pm)- "How a Reluctant Chemist Ends Up Working on the Energy Transition for the World's Largest Integrated Energy Company"

Organized by: ACS MALAYSIA CHAPTER Co-Organizers: UTM, UKM, USM Student Chapters and Faculty of Science, UTM

25 Oktober 2021

American Chemical Society (ACS) Malaysia Chapter, in collaboration with ACS UTM, UKM and USM Student Chapters and Faculty of Science, UTM have organized ACS Malaysia Industry & Career Talk 2021 on the 25th of October 2021 via Webex platform. The program was divided into two section which were industry and career session. The topics were, 'Powering Mobility in a Carbon Constrained World' and 'How a Reluctant Chemist Ends up Working on the Energy Transition for the World's Largest Integrated Energy Company', respectively. The session was moderated by ChM. Dr. Mohd Firdaus Abdul Wahab and the invited speaker was Dr Amir Faizal Abdul-Manan which was a student from Faculty of Science (BSc. in Industrial Chemistry, 2004).

STAFF ACTIVITIES



26 & 27 Oktober 2021

RCE Iskandar Sustainable and Low Carbon Schools Exhibition 2021

Dua siri webinar telah berlangsung dan melibatkan dua pensyarah dari Jabatan Biosains, iaitu Dr. Norahim Ibrahim dan Dr. Huszalina Hussin. Masing-masing menyampaikan webinar yang bertajuk ‘Pengurusan Sisa Organik di Rumah dan Aplikasi kepada Tanaman’ dan ‘Kebersamaan Quadruple Helix dalam Kebun Komuniti’.

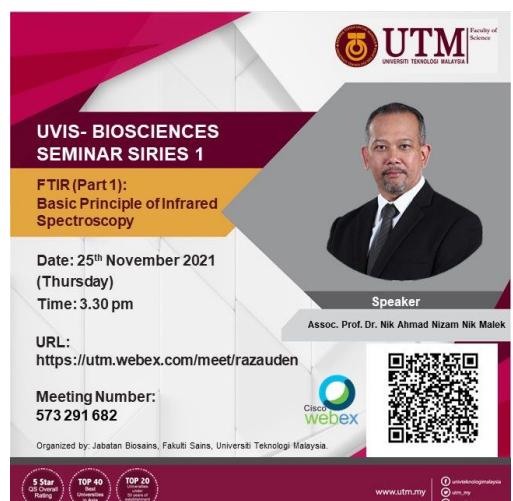


Tan Sri Azman Hj. Mokhtar, Pengerusi Lembaga Pengarah Universiti telah mengadakan lawatan rasmi ke Fakulti Sains. Bangunan T02 telah menjadi lokasi rasmi lawatan. Booth pameran oleh penyelidik Fakulti Sains memperkenalkan hasil penyelidikan mereka. Majlis diteruskan dengan laporan pencapaian dan perancangan oleh Dekan Fakulti Sains, Prof. Madya ChM. Dr. Zaiton Abdul Majid.

24 November 2021

25 November 2021

A sharing session by Assoc. Prof. Dr. Ts. ChM. Nik Ahmad Nizam Nik Malek about the FTIR (Part1): Basic Principle of Infrared Spectroscopy. Attendees have the opportunity to gain a knowledge in characterise variable type of materials using FTIR. Well done Dr. Nik!!



STAFF ACTIVITIES

7 Disember 2021

Biosciences FREE Sharing session

Dr. Praseetha Prabhakaran and Ts. Dr. Wan Rosmiza Wan Dagang have been invited to present at the Biosciences FREE Sharing session. 'Canva vs Powerpoint' and 'Infographic for Teaching' are the topics of their presentations. Thank you to both presenters for an excellent presentation; we hope that this information will benefit Biosciences lecturers in their teaching and learning activities in the classroom.



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17-18 Disember 2021



This workshop brought together academic and industry professionals, as well as student representatives, to improve and enhance the Faculty's academic programmes. The Board of Study (BOS) panel is also responsible to ensure the quality of student learning experiences while maintaining the standard of academic programmes at both undergraduate and postgraduate levels. Representative from Biosciences Department were Dr. Alina Wagiran, Assoc. Prof. Dr. Goh Kian Mau, Dr. Khairunadwa Jemon and Dr. Faezah Mohd Salleh. The event was also jointed by all coordinators from Undergraduate and Postgraduate and member of Biosciences Department via webex online.



PEMERIKSAAN KENDIRI TEMPAT KERJA

Pemeriksaan Kendiri Tempat Kerja (Self Workplace Inspection) telah dijalankan disekitar kawasan makmal dan 2 buah makmal yang dipilih secara rawak. Pemeriksaan kendiri ini perlu dibuat 3 bulan sekali. Makmal yang terpilih pada kali ini adalah Makmal Pengajaran Mikrobiologi dan *Nutritional Biochemistry Laboratory*.

23 Disember 2021

STAFF ACTIVITIES



UVIS- BIOSCIENCES SEMINAR SERIES 2

Gas Chromatography:
Basics principles of GC

Date: 26th December 2021
(Sunday)

Time: 3.00 pm

URL:
<https://utm.webex.com/meet/razauden>

Meeting Number:
573 291 682

Organized by: Jabatan Biosains, Fakulti Sains, Universiti Teknologi Malaysia.

Assoc. Prof. Dr. Razauden Mohamed Zulkifli
Dr. Huszalina binti Hussin

Speaker

Cisco webex

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TOP 40 Best Universities in Asia

TOP 20 Undergraduate programmes in Asia

www.utm.my

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26 Disember 2021

UVIS- Biosciences Seminar Series 2

Assoc. Prof. Dr. Razauden Mohamed Zulkifli and Dr. Huszalina Hussin have been invited as speakers for the UVIS- Biosciences Seminar series 2. They discussed "Gas Chromatography: Fundamental Principles of GC." We hope that their sharing will benefit anyone looking for new information on Gas Chromatography, particularly final-year students who will be using that equipment for their final-year project. Thank you very much, Drs.



PENGURUSAN SISA ORGANIK DOMESTIK DAN APLIKASI SISA TERAWAT TERHADAP TANAMAN

Dr. Norahim bin Ibrahim
Fakulti Sains
UTM Johor Bahru

28 DISEMBER 2021
SELASA
9.00 MALAM

Fertigasi

- Ditambah ke dalam tong baja
- 1 L pati : 1 gelen larutan baja ab
- Bancuhan berselang seli

Activete Windows

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norahim norahim

28 Disember 2021



ASAS PENGURUSAN TANAMAN SECARA FERTIGASI ▲ SIRI 2

Dr Azman Abd Samad
Penjagaan tanaman cili

Dr Nurriza Ab Latif
Moderator

Dr Raihana Ridzuan
Perosak dan penyakit cili

29 Disember 2021
Rabu
9.30 - 11.30 pagi

Webex Live @ Kebun Kenari

Anjuran Jabatan Biosains,
Fakulti Sains, UTM
Pendaftaran adalah percuma

science.utm.my

Pada 28 Disember 2021 telah berlangsung satu webinar bertajuk Asas Pengurusan Tanaman secara Fertigasi siri kedua anjuran Jabatan Biosains secara atas talian. Dr. Raihana Ridzuan dan Dr. Azman Abd Samad sekali lagi telah dijemput sebagai penceramah dan Dr. Nurriza Ab Latif selaku moderator webinar.

Terima kasih atas perkongsian ini.

STUDENT ACTIVITIES



13 Oktober 2021

Taklimat pelajar Tahun 1 Jabatan Biosains sesi 2021-2022 telah diadakan pada 13 Oktober 2021. Taklimat ini telah dihadiri oleh para pelajar baru Jabatan Biosains, para penasihat akademik pelajar tahun 1, Pengarah Jabatan Biosains serta penyelaras- penyelaras Program. Semoga dengan adanya sesi taklimat ini dapat memberi semangat kepada pelajar- pelajar Tahun 1 untuk memulakan pengajian mereka di Jabatan Biosains. Selamat datang kami ucapkan dan selamat maju jaya!

Bronze Medal at Kem Maya Olympiad Nanoteknologi Malaysia 2021 (ONM)

Congratulations to Siti Nabihan Ishak (Doctor of Philosophy Candidate from Department of Biosciences) under the supervision of Assoc. Prof. Ts. ChM. Dr. Nik Ahmad Nizam Nik Malek, on winning a Bronze Medal at Kem Maya Olympiad Nanoteknologi Malaysia 2021 (ONM) organized by National Nanotechnology Centre (NNC), Ministry of Science, Technology & Innovation (MOSTI) and The Malaysian Science and Technology of Solid State Association (MASS).



November 2021

SESI PENYELIAAN LATIHAN INDUSTRI

Tahniah diucapkan kepada pelajar-pelajar Tahun Tiga Jabatan Biosains (Biologi & Biologi Industri) yang telah selesai menjalani Latihan Industri (SMBU3915) mereka pada semester 3 sesi 2020/2021 yang lalu. Dikongsikan sebahagian sesi pertemuan antara penyelia fakulti bersama para pelajar dan penyelia industri masing-masing.

Semoga setiap apa yang diperoleh ketika Latihan Industri tersebut menjadi pengalaman yang berharga buat anda semua. TAHNIAH!

STUDENT ACTIVITIES



23 & 30 November 2021

Q&A sessions for FYUP1 (Research Proposal)

A research proposal evaluation session for Year 4 students of Biology and Industrial Biology program was held. The purpose of the session was to examine the students' comprehension of the research they will conduct for their Bachelor Project. The examiners were academics staff from the Department of Bioscience who were experts in their fields.

Thank you to the examiners for taking the time to examine the projects and providing positive and constructive input to assist the final year students in putting them into action.

We also congratulate the students on successfully completing the assessment procedure, and we wish you all the best!

Heartiest congratulations to Ms Atieya Abdul Hadi (PhD student under supervision of Assoc. Prof. Dr. Ts. ChM. Nik Ahmad Nizam Nik Malek) for being awarded of RM12,000 from Malaysia Toray Science Foundation for a project Synergistic antibacterial effect of *Persicaria odo-rata* synthesised silver nanoparticles with antibiotic towards drug resistant bacteria. A project is funded by Toray Science Foundation, Japan. Well done to Atieya!!

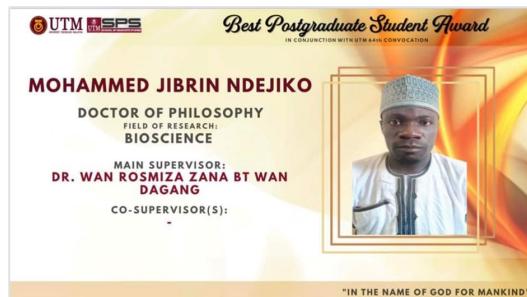
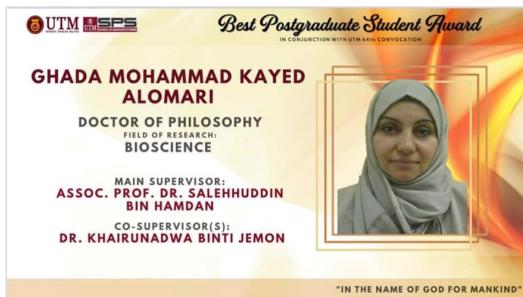


UTM 64th Convocation

Congratulations batch 2016/2017 Bachelor of Science (Biology) & (Industrial Biology)! We are really proud with what you've accomplished, especially given the pandemic scenario over the last year and a half! Wishing you the best of luck in your future endeavours!! We look forward to hearing more of your success stories! Sharing some of the lovely photos during the graduation day!

STUDENT ACTIVITIES

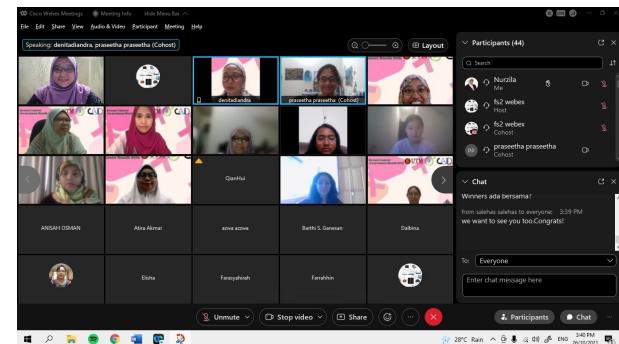
Congratulations!



COMMUNITY

26 Oktober 2021

October has been declared as Breast Cancer Awareness Month. In conjunction with that, Cancer and Infectious Disease (CAID) research group has came out with Breast Cancer Awareness Program. Several Biosciences students (Cheang, Denita, and Shioa Nee) served on the committee for this programme, which was directed by Dr. Praseetha Prabhakaran. The goal of this initiative was to raise community awareness of the concerns of breast cancer, specifically among female students aged 13 to 18 at Mukim Pulai schools. Activities during the program are infographic and short video competition among the school students. The Breast Cancer Awareness Month 2021 Closing & Prize Giving Event was held on the 26th October 2021. Thank you to the committees and congratulations to all of the winners.



16 November 2021

Tahniah diucapkan kepada Ketua Projek, Dr. Huszalina Hussin kerana telah berjaya membangunkan projek inovasi pertanian bandar Fakulti Sains UTM. Rakaman siaran langsung RTM dengan kerjasama komuniti Rumah Rumah Pangsa Kenari, Kangkar Pulai (projek ini mempunyai usaha sama dari MBIP dan Jabatan pertanian Negeri Johor) dan Seksyen Hal-Ehwal Korporat UTM telah berjaya menonjolkan inovasi yang melibatkan projek pengkomposan di mana projek ini telah banyak mendapat pengiktirafan hasil kejayaan mentransformasikan kehidupan masyarakat yang lestari dan sejahtera.



ALUMNI



Proudly presents:

COFFEE TALK ON

MEET OUR EXCLUSIVE
ALUMNI SERIES-03
2021

"Initiatives, Challenges and Achievements
STORIES in
the Ph.D journey"

DR. MOHD AKMAL AZHAR

BSC INDUSTRIAL BIOLOGY (2006), UTM
MSC BIOSCIENCE (2012), UTM
PHD PHARMACEUTICAL TECHNOLOGY (2021), UMP

Penghantaran makanan berjaya dapat Ph.D tarik perhatian

8TH OCTOBER 2021 (FRIDAY)
10.00 AM - 11.00 AM
GOOGLE MEET PLATFORM

Struggle is temporary. Sacrifices are like investments. Give up the short-term comfort for the long-term win. Be patient and stay focused.
~Dr. Mohd Akmal Azhar

8 Oktober 2021

COFFEE TALK ON MEET OUR ALUMNI SERIES 03

A webinar with Dr. Mohd Akmal Azhar was held on the 8th October 2021 by BiosAS. A PhD journey sharing from the recently viral Foodpanda rider. The session was opened to all students and alumni.

4 Oktober 2021

UTM Biosciences alumni society (BIOSAS) was officially registered under register of societies Malaysia (ROS) commencing from 4th October 2021. Congratulations.



ALUMNI

Alumni of Biosciences (BioSAS) organized a discussion to help students who are nearing the end of their undergraduate years or who will be participating in an internship program! Four panelists, all of whom are alumni of the department, will speak to the students about their experiences. They are Dr. Roslan Ikubar, Mr. Nazreen Abdul Latif @ Yaacob, Dr. Tengku Idzzan Nadzirah Tengku Idris, and Dr. Amira Suriaty Yaakop; all professionals in their own fields. We are pleased to have the opportunity to listen to the experiences of our cherished alumni. Thank you very much!

11 Disember 2021



CAREER ADVANCEMENT!
"WORK TO BECOME, NOT TO ACQUIRE"

11th Dec 2021 (Saturday)
10.00am - 11.30am
GoogleMeet platform
E-certificate provided

Moderators:
Dr. Shankar Ramanathan
VICE PRESIDENT OF BIOSAS
Head of Quality Control
Bioprot (M) Sdn Bhd

Panelist 1
11 years' EXP in RnD
DR. ROSLAN IKUBAR
RESEARCH SCIENTIST @ Blu Bio (M) Sdn Bhd, Johor
RnD & QC in Fermentation, Bioprocess & Microbiology
BSc. Industrial Biology (2011), MSc. Bioscience (2014) &
Ph.D. Bioscience (2019) - UTMJ

Panelist 2
10 years' EXP in Pharmaceutical Industry
MR. NAZREEN ABDUL LATIF @ YAACOB
QA SENIOR EXECUTIVE @
Tenang Pharma (M) Sdn Bhd, Negeri Sembilan
Quality Assurance in Pharmaceutical GMP
BSc. Biology (2010) - UTHJB

Panelist 3
11 years' EXP in RnD
DR. TENGKU IDZZAN NADZIRAH TENGKU IDRIS
SENIOR LECTURER @ MSU, Selangor
RnD in Infectious Diseases, Molecular and
Diagnostic Parasitology, Proteomics
BSc. Biology (2010)-UTM, MSc. Biotechnology (2012) - UTMJ &
Ph.D. Parasitology (2018) - U

Panelist 4
12 years' EXP in RnD
DR. AMIRA SURIATY YAAKOP
SENIOR LECTURER @ USM, Penang
COLLABORATIVE EFFORTS WITH

Ms. Sureka Elengo
HEAD OF ENTREPRENEURSHIP UNIT (SYNBIOSIS)
3rd Year of BSC. (Biology)

QR CODE FOR PRE-REGISTRATION

MEET OUR ALUMNI



Ts. Dr. Ummirul Mukminin Kahar

Course (batch): Degree (Industrial Biology) - 2009, Master (Bioscience) - 2012, PhD (Bioscience) - 2018

Position: Scientist

Job scope: R&D

Company: Malaysia Genome and Vaccine Institute, National Institutes of Biotechnology Malaysia

Concentrate all your thoughts upon the work in hand. The Sun's rays do not burn until brought to a focus

Siti Hajar Mat Sarip

Course (batch): Degree (Biology Industry) - 2005

Position: Research Officer

Job scope: Analytical & Biovalidation Unit and previously has been working in Soil, Water & Biofertilizer Laboratory unit and in Bioresources unit. Appointed as a Deputy Quality Manager and Deputy Technical Manager in IBD Laboratory Services to maintained accredited laboratory as ISO/IEC 17025 requirements and since year 2016 appointed as Head of Analytical & Biovalidation unit until now. Her expertise is related to ISO/IEC 17025 system and analytical laboratory.

Company: Institute Bioproduct Development (IBD), Universiti Teknologi Malaysia



If opportunity doesn't knock, build a door

CONGRATULATIONS

Tahniah

Diucapkan kepada
SEMUA PENERIMA ANUGERAH
PROGRAM
GROWING TALENT DEVELOPMENT (GTD)

**GROWING TALENT
GTD
DEVELOPMENT**

**ANUGERAH PRESTASI CEMERLANG
VIDEO REFLEKSI TERBAIK**
DR. NURZILA AB LATIF
(Jabatan Biosains)
Mentor: Prof. Madya Dr. Zainul Akmar Zakaria

VIDEO REFLEKSI TERBAIK
DR. SITI HALIMAH HASMONI
(Jabatan Biosains)
Mentor: Ts. Ir. Dr. Liew Peng Yen

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Daripada Pengurusan dan Seluruh Warga, Fakulti Sains

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Congratulations

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Agensi Kelayakan Malaysia
Malaysian Qualifications Agency

for Being Appointed as
ASSESSOR PANEL
for
**MALAYSIAN
QUALIFICATIONS AGENCY
(MQA)**

PROF. DR. MD. RAHIM SAHAR
Adjunct Professor
(Department of Physics)

ASSOC. PROF. DR. MADIHAH MD SALLEH
(Department of Biosciences)

From the Management Team and Staff
Faculty of Science

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Congratulations

YOUNG SCIENTISTS NETWORK **AKADEMI SAINS MALAYSIA**

for Being Appointed As New Members of the
**YOUNG SCIENTISTS NETWORK
ACADEMY OF SCIENCES MALAYSIA (YSN-ASM)**

30 SEPTEMBER 2021 – 31 DECEMBER 2024

DR. MOHD FIRDAUS ABDUL WAHAB
(Department of Biosciences)

DR. FAZIRA ILYANA ABDUL RAZAK
(Department of Chemistry)

From the Management Team and Staff
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Congratulations

for being awarded

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(Planning in response to natural or technological disasters)

from
COMMONWEALTH ASSOCIATION OF
PLANNERS

DR. HUZALINA HUSSIN
Project Leader

Assoc. Prof. Dr. Madihah binti Md Salleh
Dr. Alina Wagiran
Dr. Adibah Yahya
Dr. Nurriza Ab Latif
Dr. Azman Abd Samad
Dr. Raihana Ridzuan
Dr. Nor Ain Husein
Members

and members
Students from Faculty of Science
Komuniti Kenari Flat Kangkar Pulai
Majlis Bandaraya Iskandar Puteri (MBIP)

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From the Management Team and Staff, Faculty of Science

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Congratulations

TO
**FACULTY OF SCIENCE
RESEARCHERS**

FOR THEIR ACHIEVEMENT IN RECEIVING
**FUNDAMENTAL RESEARCH
GRANT SCHEME (FRGS) 1/2020**

TOTAL AMOUNT RECEIVED
RM 1,415,646.000

From the management team and staffs, Faculty of Science

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CONGRATULATIONS



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