



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

BioBuzz



Jabatan Biosains, Fakulti Sains, Universiti Teknologi Malaysia

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APR - JUN 2021

STAFF CORNER



UTM UNIVERSITI TEKNOLOGI MALAYSIA

SEKALUNG Penghargaan

Setinggi terima kasih diucapkan kepada
PROF. MADYA DR. SHAFINAZ SHAHIR

atas segala jasa dan bakti sepanjang berkhidmat sebagai
PENGAHAR (BIOSAINS)

Daripada Pengurusan dan Seluruh Warga Fakulti Sains, Universiti Teknologi Malaysia

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SEKALUNG Penghargaan

Setinggi terima kasih diucapkan kepada
DR. ALINA WAGIRAN

atas segala jasa dan bakti sepanjang berkhidmat sebagai
PENGURUS MAKMAL

Daripada Pengurusan dan Seluruh Warga Fakulti Sains, Universiti Teknologi Malaysia

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UTM UNIVERSITI TEKNOLOGI MALAYSIA

Congratulations

DR. ADIBAH YAHYA
(Department of Biosciences)

Assoc. Prof. Dr. Madihah Binti Md Salleh

For being appointed as the Project Leader for
PROGRAM INKUBATOR PERTANIAN ORGANIK
ANGKATAN KOPERASI KEBANGSAAN MALAYSIA BERHAD

Project Title:
The Effectiveness of Agrodyke Application on Growth and Productivity of Organic Farming Produce at the Incubator Center of Organic Farming, Angkasa Johor

Fund Approved: RM 20,000
1st JAN 2021 – 31st DEC 2023

From the Management Team and Staff, Faculty of Science

science.utm.my

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HAPPY BIRTHDAY

APRIL

NURASHIKIN BINTI IHSAN 3 APRIL
RAIHANA BINTI RIDZUAN 13 APRIL
MOHAMMED RAFIQ AZIZ 13 APRIL
NUR IZZATI BT MOHD NOH 14 APRIL
NAZIRUL MUBIN NORMANSAH 16 APRIL

MEI

MOHD HELMI BIN SANI 2 MEI
AMALINA RAMLI 5 MEI
SITI HALIMAH BINTI HASMONI 5 MEI
MUHAMMAD RUZAINI RAMLI 25 MEI


JUN

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

welcome
little one

Tahniah kepada Dr. Syazwani Itri dan suami di atas kelahiran anak ketiga mereka pada 9 Jun 2021 dan diberi nama Haura Alya bt Hafiz Alami.

Tahniah juga kepada Dr Abdul Fatah dan isteri atas kelahiran cahaya mata pertama pada 23 Jun 2021 yang diberi nama Ulyaa Yusra bt Abdul Fatah.



BioBuzz Team

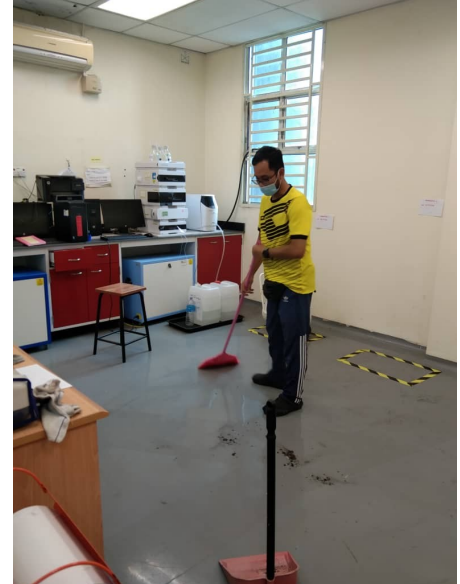
Penasihat: Prof. Madya Dr. Shafinaz Shahir. Pengerusi: Dr. Nurzila Ab Latif.
Ahli: Dr. Nor Azimah Mohd Zain, Dr Wan Rosmiza Zana Wan Dagang, Amalina Ramli, Hamidah Mat Arif, Wan Aznida Wan Mohd Anuar

STAFF ACTIVITIES

1 April 2021

GOTONG ROYONG MAKMAL ANALISIS PUSAT, ARAS 1, T02

Gotong royong di Makmal Analisis Pusat telah diadakan dengan kerjasama beberapa orang staf makmal. Ini adalah untuk menjamin keselesaan serta keselamatan para pengguna makmal. Terima kasih diucapkan kepada yang telah terlibat dalam melaksanakan gotong royong ini! Kami sangat-sangat menghargainya.



4 April 2021

SPEAKER INVITATION

AP Dr Madihah Md Salleh had been invited by the Thai Society for Biotechnology as a Keynote Speaker during the Thai Society for Biotechnology International Conference Online. The title for the talk is "Biomass Conversion for Green Energy and Zero Waste via Integrated Bioprocessing Techniques. Well done and Congratulations to Dr Madihah! We are so proud of you.

Thai Society for Biotechnology International Conference Online
"Green Energy & Zero Waste Society"

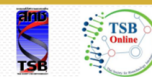


KEYNOTE SPEAKERS

Keynote Speaker 5: Associate Professor Dr Madihah Md Salleh
Lecturer, Department of Biosciences, Faculty of Science,
Universiti Teknologi Malaysia, 81310 Skudai Johor,
Malaysia



Associate Professor Dr Madihah Md Salleh is currently a lecturer at the Department of Biosciences, Faculty of Science, Universiti Teknologi Malaysia (UTM). She graduated with BSc (Biotechnology) from Universiti Pertanian Malaysia in 1990. She was employed as a contract researcher at the Department of Biotechnology, Institute Medical Research (IMR), Kuala Lumpur before pursuing her Master degree. She obtained her Phd (Biotechnology) from the Universiti Putra Malaysia (UPM) in 2000. She has developed her strong research interest in the field of Biorefinery Technology and Industrial Biotechnology. Her project focusing on the utilization of several types of biomass such as agricultural wastes to value-added products via enzymatic reactions



Thai Society for Biotechnology International Conference Online

Certificate of Appreciation

This certificate is presented to

Professor Dr. Madihah Md. Salleh

For sharing her valuable knowledge as a Keynote Speaker
during the Thai Society for Biotechnology International Conference Online
(TSB Online)

2 April 2021, Online Conference, Bangkok, Thailand

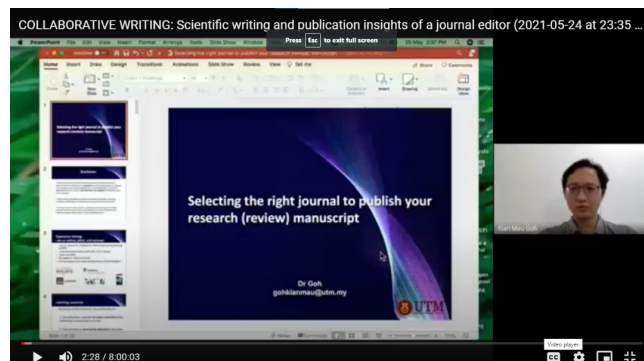
Assoc. Prof. Dr. Penjit Srinophakun
President of the Thai Society for Biotechnology
Chair of Organizing Committee

STAFF ACTIVITIES

25 Mei 2021

COLLABORATIVE WRITING SHARING SESSION

Dr Saleha had arranged a sharing session to give some inputs on collaborative writing. Invited speaker for that session is Assoc. Prof. Dr Goh Kian Mau who shared his insight on the strategy to find journals for manuscript submission. Dr Goh is an associate editor and topic editor for *Frontiers in Microbiology*. During that session, he also shared about writing and publication considerations from the perspective of a journal Editor. The live session was conducted online through Google Meet. Thank you Dr Saleha for the initiative arranging the session and Thank you Dr Goh for spending time sharing your valuable experiences! We really appreciate it!

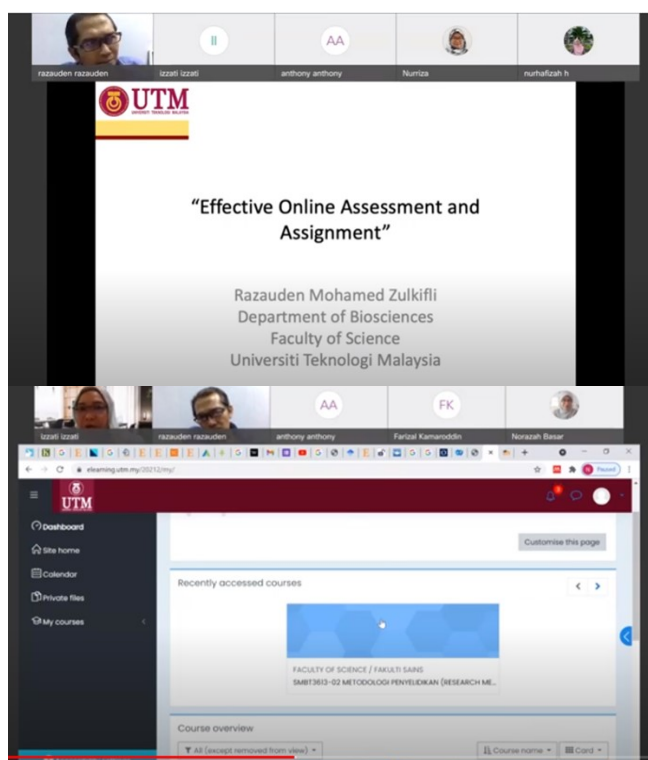


17 Jun 2021

DEPARTMENT OF BIOSCIENCES FREE DAY SHARING SESSION

The first series of FREE DAY 2021 for Department of Biosciences started with a sharing session by AP Dr Razauden and Dr Izzati with the theme of "Effective Online Assessment and Assignment". The live session was conducted online via WebEx and can be rewatched on YouTube using this link: <https://www.youtube.com/watch?v=vdy4wChqKwM&t=6111s>

Thank you for both speakers for very interesting sharing! Department of Biosciences FREE week will be continued with more series of interesting topics from excellent speakers. Stay tuned!



STAFF ACTIVITIES

6-30 Jun 2021

TUGASAN BERJADUAL PKP 3.0

Rondaan telah dijalankan ke atas makmal di bangunan T02 bagi memastikan plug dan alatan-alatan dalam keadaan baik serta membuat pembersihan sanitasi dan memastikan pelajar yang dibenarkan masuk mematuhi SOP yang telah ditetapkan.

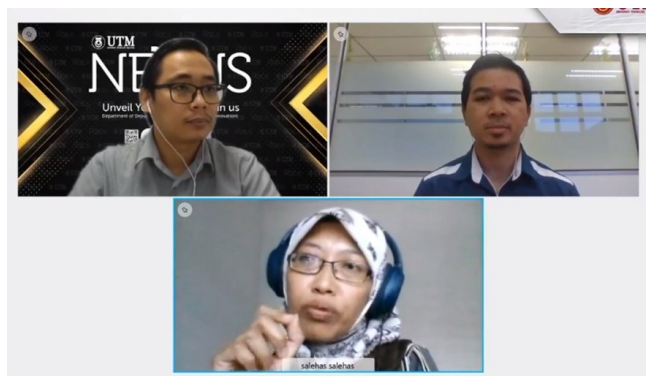


28 Jun 2021

PANEL JEMPUTAN

Dr Saleha Shahar telah dijemput sebagai salah seorang panel dalam sesi perkongsian anjuran JK OSHE, Jabatan Timbalan Naib Cancellor (Penyelidikan & Inovasi) UTM. Perkongsian tersebut telah dijalankan secara atas talian dengan menggunakan platform Facebook Jabatan Timbalan Naib Cancellor (Penyelidikan & Inovasi) UTM pada 28 Jun 2021. Tahniah kepada Dr Saleha di atas perkongsian yang sangat menarik serta mudah difahami oleh segenap lapisan masyarakat!

Rakaman sesi tersebut boleh dilihat di pautan ini:
<https://www.facebook.com/dvcri.utm/videos/51370877>



28 Jun 2021

PEMBENTANGAN PENAMBAHBAIKAN DOKUMEN MQA-04

Pembentangan ini telah diketuai oleh Penyelaras Program MMBT, Dr Siti Pauliena Mohd Bohari bagi tujuan untuk menambah baik Dokumen MQA berdasarkan laporan audit dalam yang telah diterima pada 11 Jun 2021. Pembentangan serta perbincangan susulan daripada ahli-ahli taskforce akan diadakan selanjutnya pada tarikh yang akan dinyatakan kemudian.

STAFF ACTIVITIES

Dr Huszalina Hussin had been invited by #Pasarkitamy to share her expertise on composting from plant based waste. #Pasarkitamy is a social enterprise community platform for urban growers to grow and buy healthy produce from garden to table.

Well done Dr. Husza! We hope to see more sharing on composting by you!

13 Jun 2021



Sunday, 13 June 2021
11am - 12pm
@PasarKita. My

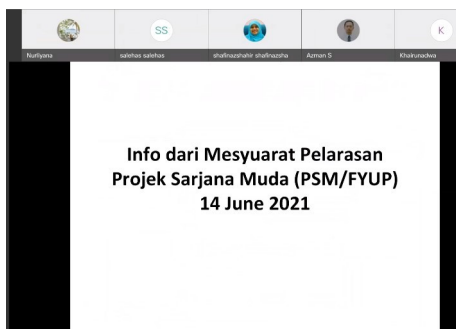


The webinar can be watch on youtube : <https://www.youtube.com/watch?v=SVt2jahVK7E>

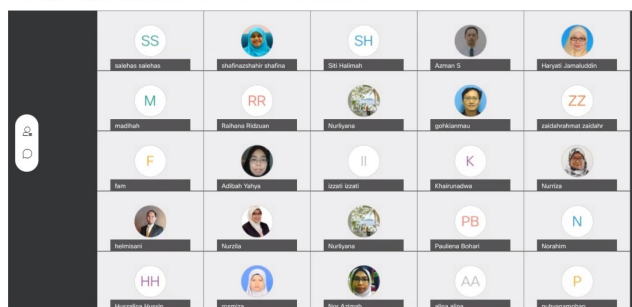
17 Jun 2021

TAKLIMAT PERJALANAN FYUP2 BAGI PELAJAR SESI 20202021

Satu taklimat berkenaan perjalanan FYUP2 bagi para pelajar sesi 20202021 telah diadakan pada 17 Jun 2021 secara atas talian menggunakan platform webex. Taklimat ini telah diketuai oleh Dr Nurliyana Ahmad Zawawi selaku penyelar FYUP Jabatan Biosains. Ini amat penting berkenaan perjalanan FYUP dengan mengambilkira situasi penutupan Makmal di T02, UTM sepanjang tempoh Perintah Kawalan Pergerakan 3.0. Beberapa perkara telah dibincangkan sepanjang taklimat berlangsung. Semoga diberi kemudahan untuk para pelajar menyelesaikan Projek Sarjana Muda mereka masing-masing. Terima kasih kepada jawatankuasa FYUP atas inisiatif yang diambil untuk menyampaikan maklumat kepada para penyelia dan pelajar terutamanya.



Briefing Perjalanan FYUP2 Sesi 20202021-202106...



27 Jun—1 July 2021 **STUDY WEEK**



27 Jun— 15 July 2021 **FINAL EXAMINATIONS**



STUDENT ACTIVITIES

4 Jun 2021

WEBINAR

The fourth year students of SMBT 4323 Bioremediation and Biodegradation had organized a webinar with the title of "Role of Bioremediation and Biodegradation on Environmental Pollution During Covid-19 Pandemic". This program is part of academic service learning embedded in the course. Speakers are Prof Datin Dr. Zaharah (Department of Biosciences, UTM), Puan Norzila (Sek. Men. Keb. Tanjung Resort) and Dr. Dip. Ing. Muhd Abdul Kholiq (Director of the Centre for Environmental Technology, BPPT Indonesia). It was a very fruitful session where all expertise shared their knowledge and point of view regarding Bioremediation and Biodegradation. Well done to students and lecturers of the course, Dr Nor Azimah and Dr Zarita.

The recording for the webinar can be watch via this link:
https://www.facebook.com/watch/live/?v=4733981649962379&re_f=watch_permalink

10 Jun 2021

BIONIGHT DINNER 2021

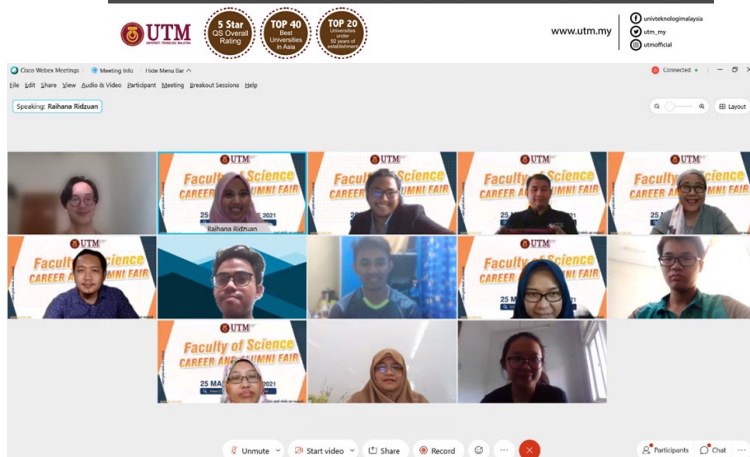
The annual Bionight Dinner 2021 was held on 10th June 2021 for our final year bioscience students. This year's dinner was, for the first time, held virtually via Kumospace platform (an idea mooted by the students & solely organised by them, of course with guidance from their advisor, Dr Praseetha. It was certainly a new and exciting experience for students & lecturers alike! Well done to Bionight students taskforce & Symbiosis!

STUDENT ACTIVITIES

25 Mei—15 Jun 2021

CARRERS AND ALUMNI FAIR FACULTY OF SCIENCE 2021

Program ini dilaksanakan bagi mewujudkan kerjasama Universiti – Industri – Alumni dalam memacu kebolehpasaran graduan, pengembangan akademik dan penyelidikan, serta pembangunan profesional. Jabatan Biosains telah dipilih sebagai penganjur utama bagi program ini diketuai oleh Dr. Raihana dan dibantu oleh Dr. Nur Izzati, Dr. Zarita, Dr. Saleha, Dr. Mohd Farizal, Dr. Praseetha, Dr. Nurashikin, Puan Hamidah, Encik Zulfauzi dan Cik Zaleha. Program ini telah berjaya dilaksanakan secara dalam talian atau 'virtual' dan slot-slot industri dan alumni dibuat mengikut Jabatan Biosains, Matematik, Fizik dan Kimia. Sebanyak 3 slot telah dijalankan oleh Jabatan Biosains dan seramai 6 penceramah jemputan terdiri daripada staf UTM, alumni UTM dan wakil industri telah hadir. Program ini dilihat dapat menarik hampir 300 peserta dan dilihat dapat membantu pelajar dalam mendapatkan informasi terkini dari pihak industri dalam situasi pandemik serta menjadikan alumni yang berjaya di bidang masing-masing sebagai sumber inspirasi pelajar.



12 Jun 2021

Assessment of Case study for Fermentation Technology SSCB 2503

Students for this course had their presentation assessment through online session and had been evaluated by few academic staff from Department of Bioscience and some expert from other universities and industries.

This activity can expose the students for their participation in future presentation or conference. Evaluators gave very constructive comments and feedback to students. Internal evaluators are Prof Dr Zaharah, Dr Adibah, Dr Zarita, Dr Huszalina, Dr Chong Chun Siong and Dr Nurzila. While external evaluators are Prof Ling Tau Chuan, Dr Khanum Simarani and Mr Sobri Md Akhir from IBS, UM, Dr Shankar from Bioprout Sdn Bhd, and Miss Julia Ibrahim from Sime Darby.

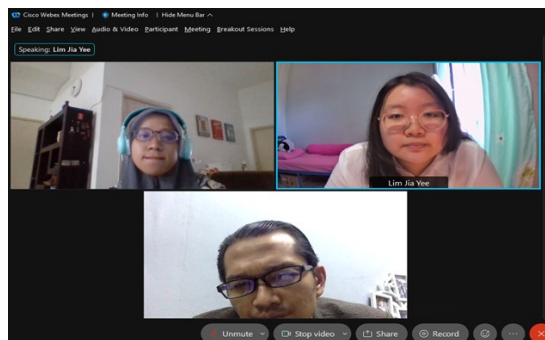
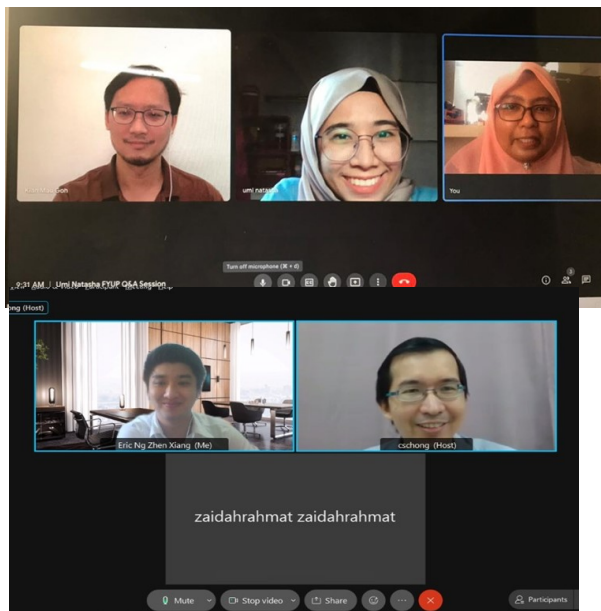
Thank you to all evaluators and well done to students! Not to forget to congratulate AP Dr. Madihah and Dr Mohd. Helmi as the subject lecturers for organizing the event.

STUDENT ACTIVITIES

21-24 Jun 2021

FYUP SYMPOSIUM 2021 SESI 1

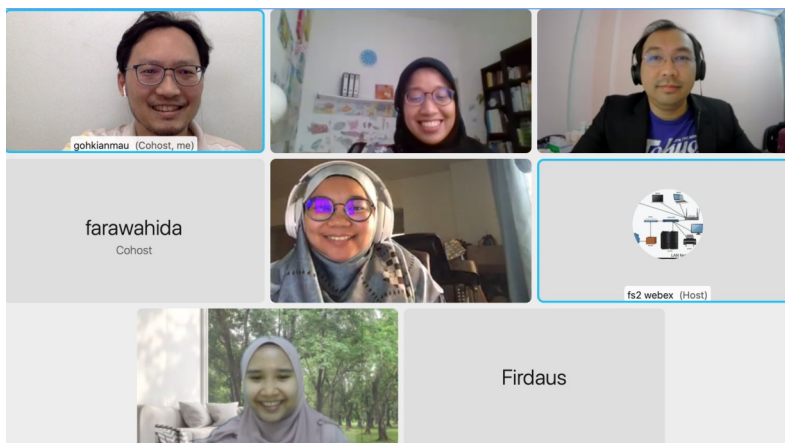
Sesi soal jawab bagi para pelajar FYUP2 telah diadakan pada 21-24 Jun 2021. Seramai 15 pelajar tahun 4 telah selesai menyelesaikan Projek Sarjana Muda mereka dan telah dinilai oleh para pensyarah Jabatan Biosains. Terima kasih diucapkan kepada para penilai dan TAHNIAH diucapkan kepada para pelajar. Selamat bergraduasi dan semoga sentiasa cemerlang di masa akan datang!



23 Jun 2021

FIRST YEAR ASSESSMENT (FYA) FOR MMBB AND PMBB

Department of Bioscience postgraduates students had their first year assessment (FYA) on the 23 Jun 2021. Congratulations and well done students! We wish you all the best throughout your study here. On behalf of the department and PG coordinators, we thank all the chairpersons and evaluators for completing this semester's FYA. Thank you for your time and suggestions.



STUDENT ACTIVITIES

UTM Faculty of Science
SPS SCHOOL OF GRADUATE STUDIES
CONGRATULATIONS
WINNERS OF GRADUATE RESEARCH EXHIBITION (GRex) 2021
 CATEGORY SCIENCE AND TECHNOLOGY

MUHAMMAD RAMZIUDDIN ZAKARIA
 Doctor of Philosophy
 Field of Research: Bioscience
GOLD MEDAL
 Title: From Mangrove Soil to the Enhancement of Commercial Detergent
 Supervisor: Dr. Chong Chun Shiong

MUHAMMAD HARIZ ASRAF HASSAN
 Doctor of Philosophy
 Field of Research: Bioscience
GOLD MEDAL
 Title: Antibacterial and Antibiofilm Effect of Silver Nanoparticles-incorporated Zeolite A Using Misai Kucing Leaf Extract
 Supervisor: Assoc. Prof. Ts. CHM. Dr. Nik Ahmad Nizam Nik Malek

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 Faculty of Science

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3 Star QS Overall Rating | TOP 40 QS World University Rankings | TOP 20 QS Young University Rankings

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CONGRATULATIONS to our students; Muhammad Ramziuddin Zakaria (Doctor of Philosophy, Bioscience), with his project entitled “From Mangrove Soil to the Enhancement of Commercial Detergent” and Muhammad Hariz Asraf Hassan (Doctor of Philosophy, Bioscience) with his project “Antibacterial and Antibiofilm Effect of Silver Nanoparticles-incorporated Zeolite A Using Misai Kucing Leaf Extract”, for successfully obtaining the Gold Medal in the Graduate Research Exhibition (GRex) 2021, under the Science and Technology category. GRex is one of the activities held under the Research Carnival Week (RCW) 2021, which serves as a platform to experience and learn about the diverse nature of research at UTM. Among other events that have been held were 3 Minute Thesis (3MT) and Forum (Industry-focused).

Congratulations once again to our exceptional students for making us proud!

Congratulations to Shamini Chandran, our postgraduates student who had been awarded as the Second runner-up of the Young Investigator Award at the YSN-ASM International Scientific Virtual Conference (ISVC) 2021. Shamini is a master by research student under the supervision of Dr Syazwani Itri and co supervised by Dr Nurrisa. Congratulations to Shamini and both supervisors! We wish you more achievements throughout your study!

CERTIFICATE OF ACHIEVEMENT

is awarded to
Shamini Chandran

as the Second Runner-up of the
YOUNG INVESTIGATOR AWARD, TRACK A: HEALTH & WELLBEING
 at the **YSN-ASM INTERNATIONAL SCIENTIFIC VIRTUAL CONFERENCE (ISVC) 20**
 30 March 2021

Professor Datin Paduka
 Dr Khatijah Mohd Yusoff FASc
 Advisor, YSN-ASM ISVC 2021

Associate Professor
 Dr Siti Sarah Othman
 Co-Chair, YSN-ASM ISVC 2021

Associate Professor
 Dr Garry Kuan Pei Ern
 Co-Chair, YSN-ASM ISVC 2021

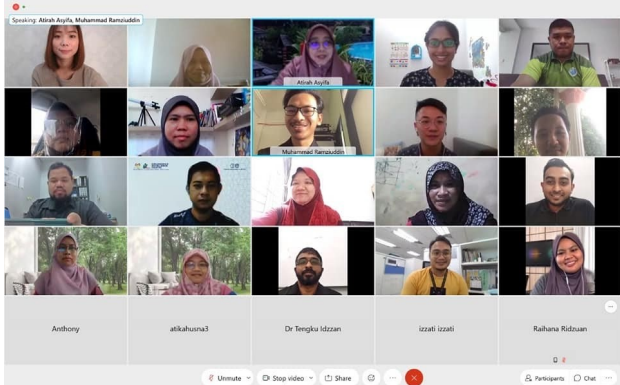
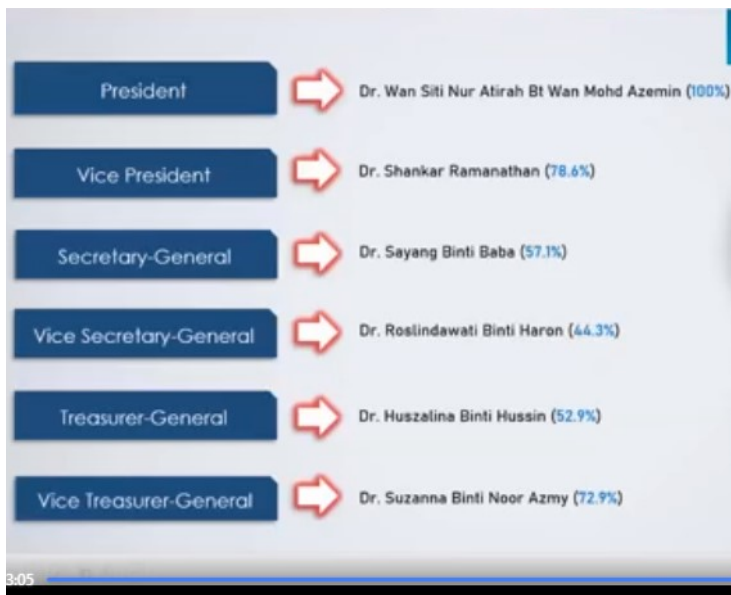
RESILIENCE IN THE NEW NORMAL

ALUMNI

8 May 2021

BIOSAS E-ANNUAL GENERAL MEETING FOR 2021

The first BIOSAS E-Annual General Meeting for 2021 was held on the 8th of May 2021, through WEBEX platform. During this AGM, the finalized nominees for BIOSAS committee election were chosen. The online voting was cast starting April 5, 2021. Welcome to the new BIOSAS committee and thank you to all committee members of 2019-2021 session for their hardworking and astonishing commitments for the society. Congratulations also to Assoc. Prof. Dr. Madihah bt Md Salleh for being appointed as the NEW Auditor of BIOSAS session 2021-2024.



8 Jun 2021

ALUMNI SHARING SESSION

Our alumni share their experiences with our department students during the Career Fair organized by the Faculty of Science. Speakers are Dr. Kaarjel Kauslya who is now doing Post Doc in the University of Heidelberg, Germany, Mrs. Nur Saliha, a Research Officer from MARDI and Miss Fatin Hanani, and Independent Executive Senior Sales Director, Mary Kay Malaysia. Thank you for giving us your precious time to share your valuable experiences with our students. We wish you all the best in everything you do!



Our alumna Dr. Ummirul Mukminin Kahar, Scientist from Malaysia Genome Institute, National Institutes of Biotechnology Malaysia explaining what is a vaccine which broadcasting on KKM FB page. He graduated of BSc (Industrial Biology), 2009: MSc (Bioscience), 2012 and Ph.D (Bioscience), 2018 from UTM. The video can be watch here : <https://vt.tiktok.com/ZSJMjWLNr/>
This is awesome. We are very proud of you!



27 Jun 2021

SPEAKER INVITATION

Our alumnus, Dr Shankar Ramanathan is invited as a speaker in a program organize by Postgraduate Student Society, PGSS UTM. The talk in on 'Bridging The Gap Between University And Industry: How Can University-Industry Partnership Survive Through This Pandemic'. Dr Shankar is now the Head of Quality Control in Bioprout Sdn Bhd. Congratulations and well done for a very inspiring sharing!





Congratulations to our alumnus, Assoc. Prof. Dr. Azzmer Azzar Bin Abdul Hamid (BSc in Biology, 2008 and MSc in Biotechnology, 2010 from UTM) for his promotion to the post Associate Professor effective on 31st March 2021! We wish you continued success in your career!

Congratulations to our alumna, Dr Roslindawati Binti Haron who had been invited to be a guest speaker in a knowledge sharing session organised by USM with the title of "Kawalan Kualiti dalam Penterjemahan Media".

She is graduated of BSc. in Industrial Biology, 2001 and MSc. in Bioscience, 2008 from UTM.

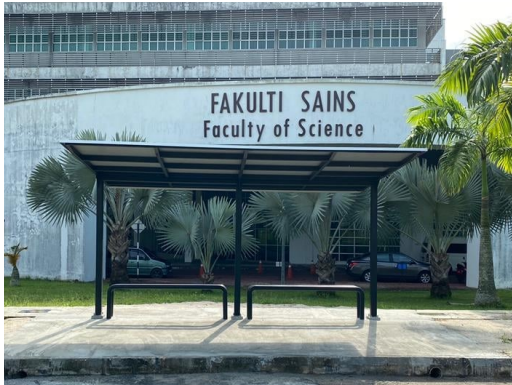
Well done! We are really proud of you!

OTHERS

NEW BUS STOP FOR T02

Jabatan Harta Bina continues to drive the development of University facilities by providing a new bus stop at Department of Biosciences, T02.

The project which started on 19 April 2021 - 13 June 2021 has been successfully completed early from the original completion date of the contract, specifically for the use of students and the needs of daily bus



MEET OUR ALUMNI

Name: Muhammad Izzwa Shahril bin Idris
Course (batch): Biologi Industri (Batch : 2005)
Position: Penolong Pengarah Kanan
Job scope: Menerima dan menguruskan aduan-aduan berkaitan agensi Kerajaan Negeri dan Kerajaan Persekutuan di Negeri Selangor
Company: Biro Pengaduan Awam Malaysia, Jabatan Perdana Menteri



ALLAH knows what is the best for you and when its best for you!



Name: NURFARAH DIYANA BINTI ZULKARNAIN
Course (batch): BIOLOGY (BATCH GRAD 2020)
Position: JUNIOR EXEC PRODUCT DEVELOPMENT
Job scope: To evaluate on sample of the 'New Product' testing, to assist superior in managing Product Specification process and to participate in Quality Assurance process, to work from customer drawings, company drawings, vendor drawings or specifications. Use corporate drawing standards as guidelines, to involve in the tender preparation in terms of sample preparation and specification checking and involving with KKM projects and registration with MDA
Company: FORESIGHT INDUSTRIES SDN BHD

Failure is not opposite of success, it's part of it!