

i-FORST

Info from Faculty of Resource Science and Technology



3rd ASEAN Sago Symposium



▫ INAUGURAL LECTURE

Wood Its Benefits and Versatility

▫ MEMORANDUM OF UNDERSTANDING

Signing Ceremony with Wilmar International

ISSN 2289-5260



CONTENT

2 - Dean's Message

3 - Inaugural Lecture - Wood Its Benefits and Versatility

4 - The 3rd ASEAN Sago Symposium

4 - Sago "Hampas"

5 - Students to the International Field Science Course 2016

6 - Emphasizing Sustainable Forest Management towards achieving Sustainable Development through implementation of ESD projects – the Japan's experience

7 - STA Prizes, 2016

8 - MoU Signing Ceremony with Wilmar International

9 - UNIMAS student winning best presenters at The 9th International Meeting of Asian Society of Conservation Medicine (ASCM) One Health in Asia-Pacific, Taipei Taiwan

10 - Sharks Are Friends Not Food Project

11 - Workshop on Basics for Embedded Programming for Aquaponics

12 - IKM Chemistry Night 2016

12 - Microwave Synthesizer Seminar

13 - MAGU 2017

14 - Congratulations

15 - Snapshot

Dean's Message



Prof. Dr. Othman Bojo

Once again it is my immense pleasure to bring you to the latest issue of iFoRST from FRST.

In this issue, iFoRST highlights our continuous strides in achieving our goal of national prominence through leading-edge and impactful research which continually set new directions for the global research community. In this setting, we had co-organised the 3rd ASEAN Sago Symposium on 25th until 26th October 2016, with the theme of "Enhancing Sago Potential for Application in Research and Industry". The faculty had successfully hold the third series of Inaugural Professorial Lecture entitled "Wood: Its Benefit and Versatility" by Professor Dr Ismail Jusoh on the 15th March 2017.

Participations of our students at the international arena had made another considerable progress towards our goal of raising global visibility of our university around the world. In October 2016, our students participated in the International Field Science Course 2016 (IFSC) at Kochi University, Japan under the auspicious SAKURA Exchange Programme in Science. Another significant achievement was at the 9th International Meeting of Asian on Health in Asia-Pacific, Taipei, Taiwan where two of our postgraduate students awarded the best presenter. The signing of the MoU with WILMAR International in October 2016 was another success story of FRST and has marked another milestone and strengthen the position of the faculty in the field of resource science and technology. Innovative education programs and life-changing outreach has also been the focus of FRST to meet the challenges of today's global society. Awareness program like "Sharks are friends, not food" in December 2016 was successfully carried out by the students of Aquatic Science Department.

Over the last 25 years since its establishment in 1992, the faculty has evolved into one of the foremost pillars in the University. We take pride of having the best faculty in the field of sciences. In fact, majority of our faculty members are prominent in their fields of expertise. We are committed to provide quality academic programs in sciences, graduate talented scientists that effectively contribute in high quality research in basic and applied sciences to our institution and to the development of the country and beyond.

I hope that you enjoy learning about the efforts and progress of our students and colleagues as we continue to build this extraordinary faculty. I hope that the progress you read about in this newsletter will inspire you.

EDITORIAL BOARD

Advisor

Prof. Dr. Othman Bojo

Chief Editor

Prof. Dr. Ismail Jusoh

Editors

Dr. Aida Shafreena Ahmad Puad

Dr. Elexson Nillian

Dr. Fazimah Aziz

Wan Nurainie Wan Ismail

Amira Satirawaty Mohd Pauzan

Fadly Faizal Rakawi

Technical & Graphic Designer

Mohd Hishamuddin Wang

Mohamed Suhardi Mohamed

Photo By

Mohd Hadzan Mos



The Faculty of Resource Science & Technology has successfully organized the Inaugural Lecture “Wood Its Benefits and Versatility” by Professor Dr Ismail Jusoh on the 15th March 2017 at Dewan Syarahan, Pusat Islam Tun Ahmad Salahuddin (PITAS). This inaugural lecture is an overview of research findings that has been undertaken so far. Prior to Prof Ismail’s lecture, he was introduced by Prof. Dr. Othman Bojo, Dean of Faculty of Resource Science & Technology. In attendance were UNIMAS professors, university officials, colleagues of the Prof. Ismail, students and members of the general public.

The lecture started with the question “What is wood?” Then he move on explaining the origin of wood, its content, what it is made of and the elemental composition of wood. The next point discussed briefly was the forest resource base from which the wood come from. Properties of wood varies significantly because of its biological origin. The fundamental structure of wood from molecular to anatomical level, determines the behavior of wood. Another important property of wood discussed was natural durability of wood because it can determine its utility. Two laboratory natural durability evaluation discussed were soil block test and termite resistance test.

In his lecture, Prof. Ismail highlighted the importance of wood extractives. Although wood extractives are not crucial for tree growth, but they are responsible for its colour, smell, natural durability, physical and mechanical properties, dimensional stability and acoustic properties. A total of 141 and 112 compounds were detected in *Eusideroxylon zwageri*

(Belian) and *Potoxylon melagangai* (malagangai) extractives, respectively. Among significant compounds detected include *a-cadinol*, *g-muurolene*, *cadalene* and *myristicin*.

Prof. Ismail stressed the importance of wood preservation for non-durable woods. Non-durable woods must be treated before they can be used for exterior applications. Common wood preservatives used is the broad spectrum wood preservatives chromated copper arsenate (CCA). Due the increasing concern of arsenical content of CCA, new environmentally-friendly wood preservatives are needed. The lecture also featured several newly synthesized organotin(IV) complexes tested for their efficacy as wood preservatives. Among the tested organotin(IV) compounds, dibutyltin [Bu₂SnCl(APCT)] or in short DBT was found to provide the best protection against decay fungi.

The lecture also touched on the wood properties of two planted forest material namely Acacia hybrid and second-generation Acacia mangium (aka *Acacia mangium* superbulk). In terms of strength they are considered as weak, however they excellent raw material for pulp and paper production.

Prof. Ismail noted that in planted forest, trees sequester atmospheric carbon through the annual increment in growth in their woody biomass, while leaves and other litter fall incorporated into soil carbon pool. Prof. Ismail estimated that 10-yr-old *Acacia* hybrid and second-generation *Acacia mangium* sequestered 19.5 and 30.8 tonnes/ha/yr of CO₂, respectively.

- Ismail Jusoh

INAUGURAL LECTURE – WOOD ITS BENEFITS AND VERSATILITY





The 3rd ASEAN sago symposium with the theme of "Enhancing Sago Potential for Application in Research and Industry" was held on 25th until 26th October 2016, in Universiti Malaysia Sarawak by Faculty of Resource Science and Technology. This event was also co-organized by Agriculture Department of Sarawak managed to attract a turnout of 50 local and international researchers.

Officiated by the Vice Chancellor of UNIMAS, Y.Bhg. Prof. Dato' Dr. Mohamad Kadim Suaidi, this symposium served as the best platform for researchers, professionals, students and other stakeholders to discuss and present the results of research projects, ideas and inventions as well as to further innovate and enhance the sago industry.

The 3rd ASEAN Sago Symposium

Sago industry is one of the important contributors to Malaysian economy, along with coconut and oil palm. This industry had contributed more than RM 20 million or 37% of the annual gross domestic product for agriculture several years back. As one of the main players in the upstream and downstream research on sago palm, it is important for UNIMAS to play an active role in contributing towards the advancement of knowledge on sago that would benefit of the industry.

On another note, the success of this event would not have been possible without the hard work and remarkable dedication of the Chairman of ASAS, Associate Professor Dr. Mohd Hasnain Husaain and the organizing committee of 3rd ASEAN Sago Symposium 2016.



SAGO "HAMPAS"

Sarawak is known to be the biggest producer of sago (Metroxylon sago) in Malaysia. Annually, an estimate of 44,700 tonnes of sago starch are exported to Peninsular Malaysia, other Asean countries as well as other continents. As compared to the other starch-producing crops such as rice, corn, wheat and potato, sago yields the highest amount of starch with the annual production of approximately 25 tonnes. The by-product generated from sago starch processing industry includes bark of sago trunk and also fibrous pith residues known as "hampas" as well as liquid residue which is the waste water. Since sago is a widely cultivated crop in Sarawak, its "hampas" is a promising agro waste with its composition made up of approximately 66% starch and 14% fibre on a dry weight.



Participation of Planters Students to the International Field Science Course 2016 (IFSC) at Kochi University, Japan (SAKURA Exchange Programme in Science)

NUR IZZATTY BINTI MOHAMAD JAMAL, WS50 program student Year 3:

Participating in the International Field Science Course at Kochi University, Japan is definitely an unforgettable memory for me. Through this program, I was able to learn and experience many new things. The most memorable experience was to visit Miraikan National Museum of Engineering Science and Innovation where we had the chance to meet ASIMO, the famed humanoid robot. Beside that, we visited various research facilities such as Kochi Agricultural Technology Centre and Centre for Advanced Marine Core Research.

Meeting a new friends from other participating countries such as Thailand and Vietnam is another valuable experience that I gained from this program. I am grateful that our friendship became closer despite the short days and hectic schedule. Although I was in Kochi for a very short time but the memories and friendship last forever. Thank you Kochi University and Universiti Malaysia Sarawak especially Faculty of Resource Science and Technology for this once in a lifetime experience!

SHARIFAH NURFITRI BINTI WAN MOHAMAD, WS50 program student, year 3:

Being selected as a participant in IFSC at Kochi University, Japan is one of the greatest thing that ever happened to me. Although it was a long journey from Kuching to Kochi which took about 9 hours 30 minutes, but the experiences to be in a country like Japan is incredibly awesome. There are interesting activities organized for us and one of those was agricultural and forest practice. We also had a chance to visit amazing places and I also had a chance to make new friends from other countries. I think the most valuable lesson from this programme is that we have made our life become more meaningful and successful by learning the Japanese culture such as hardworking, punctuality, politeness, clean, respectful and discipline values.



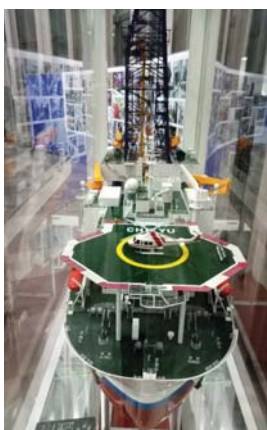
Nur Izzatty and Sharifah Nurfitri with their new friend from Kochi University's students



Cultural Exchange Programmes with Kochi University Students and students from other Southeast Asian's university



Meeting with the President of Kochi University, Prof. Dr Hiroshi Wakiguchi



Educational activities and visitation to place of interest related to the programme



Emphasizing Sustainable Forest Management towards achieving Sustainable Development thru implementation of ESD projects – the Japan's experience

On 22nd October until 1st November 2016, a total of 10 students from Department of Plant Science & Environmental had to participate in “Japan-Asia Youth Exchange Program in Science” (SAKURA Exchange Program in Science).

This program was organised by Japan-Malaysia Association (JMA) and financially supported by Japan Science & Technology (JST) with the vision of “Emphasizing Sustainable Forest Management towards achieving Sustainable Development” which are through implementation of ESD projects . During this programme, we were given lectures by expert panels from various fields which are related to forest science. We also visited the biggest paper production company in Japan (Oji paper Co. Ltd.). Other than that, we were amused by the machineries used that produce huge amount of paper products daily instead of using extensive human labour. Besides, we also learned that the waste materials produced during paper productions are been converted into other usable products.

Visitations to various agencies and institutions such as Forestry Agency, Japan International Research Centre for Agricultural Science (JIRCAS) also implanted the knowledge and importance of reforestations in us. We were informed that these agencies conduct researches both locally and internationally.

In addition to that, we manage to visit Nagoya University, Utsonomiya University and Shibaura Institute of Technology (SIT). During the laboratories visitations, we observed the students' abilities to work independently and the students able to operate the sophisticated scientific instruments for their



JAPAN-ASIA YOUTH EXCHANGE PROGRAM IN SCIENCE (SAKURA SCIENCE PROGRAMME)

researches. Apart from that, we also experienced plucking apples in apple orchard and practices pruning in University Forest of Utsonomiya University.

Overall ,this programme was very beneficial to us as we are inspired by the Japanese way of life and cultures. The Japanese are very polite, friendly, punctual and observe laws. Other than that, we also

observed that Japanese are eager to learn new knowledge through researches not only confined to their country but also through international researches. Their passion and longing for knowledge taught us the importance of long-life learning. Besides, their ability to work independently under minimal supervision opened our eyes to improve ourselves and it had positively impact our life.

Last but not least, we would like to take this opportunity to thanks UNIMAS especially FRST and to both Dr Mohd Effendi Wasli and Prof. Dr Hamsawi Sani for this opportunity in participating into this programme. Domo Arigato gozaimasu!

- Carlson Tawi, Evelyn Kong, Rozalia Mohd Geoffery, Aina Nazwa Mohamad Jaffar, Mohd Masrinizam Iskandar, Khadeeja Abdul Wahab, Tang Yng Zing, Siti Nurathirah Shuhaimie, Nur Zafrihanim Abdul Wahed and Nurul Sarah Jalaluddin



STA PRIZES 2016

Best Graduating Students (from Plant Science & Management programme) and Best Final Year Project (project related to Forestry & Timber Resources)

Hard work and their strive for excellence has paid-off for both Mr. Chua Kek Shen and Ms. Zarifah Zainal Abidin of the Department of Plant Science & Environmental Ecology as both students were awarded the Best Graduating Student and Best Final Year Project Report from Sarawak Timber Association (STA) for year 2017, respectively. The award presentation ceremony to both recipients was held on 19th January 2017 at Faculty of Resource Science and Technology and the awards were presented by Ms. Annie Ting of Sarawak Timber Association (STA).

Since its commencement, STA along with DAIKEN Sarawak Sdn. Bhd. have been providing academic awards and scholarships to outstanding students from the Plant Resource Science and Management programme. It is hoped that this co-operation will help in strengthening nation's aspirations on building high quality human capital for the need of the local and global stakeholders.



Mr. Chua Kek Shen and Ms. Zarifah Zainal Abidin



Group photos with FSTS and STA representatives along with the awards recipients

MoU Signing Ceremony with Wilmar International



The exchange of document between the Vice Chancellor, Profesor Dato' Dr. Mohamad Kadim bin Suaidi and Mr Jeremy Goon, Chief Sustainability Officer of Wilmar International witnessed by Assoc. Prof. Dr. Othman Bojo and Mr Simon Siburat in Kuala Lumpur

The signing of the MoU was an extension of collaborative effort from the previous MoA with WILMAR in 2014 with a project titled "Identification and monitoring of Endangered, Rare and Threatened Species and their habitats in Wilmar's plantations in Sarawak". The signing ceremony took place in Kuala Lumpur on the 7th October 2016. The synergy between WILMAR and UNIMAS is significant; not only that both agencies benefit through the conservation of biodiversity and environment, it also highlights our rich expertise and skills in research, and at the same time motivates our young research minds who come to UNIMAS to learn about Biodiversity, in order to enhance their experience through industrial training at relevant agencies.

This MoU with WILMAR International is in line with the rapid developments in the oil palm industry and the increasing awareness in the need to conserve the resources especially in Sarawak. It is substantial and considerably impactful in the current context of Malaysia's rich biodiversity and natural resources. The scope of work in this collaboration is an important milestone not only for UNIMAS-industry linkage but it also significant for biodiversity conservation and sustainable development in Sarawak.

Sarawak currently covers approximately 1.4 million hectares of oil palm, which represents approximately 25% of total oil palm plantation area in Malaysia. This shows an increase of 0.2 million ha in area since the previous MoA was signed in 2014.

UNIMAS STUDENT WINNING BEST PRESENTERS SOCIETY OF CONSERVATION MEDICINE (ASCM)

The 9th International Meeting of Asian Society of Conservation Medicine (ASCM) One Health in Asia Pacific was held in Taipei Zoo, Taiwan from 21st -24th October 2016. It was hosted by ASCM, Taipei Zoo, National Taiwan University (NTU) and Asian College of Conservation Medicine (ACCM). This international meeting has attracted



228 participants from 19 countries around the world. The meeting theme, "One Health and Disease Ecology" emphasized on infectious disease survey, wildlife conservation medicine and pathology focuses on Asian wild cats, pangolin and marine mammals. Assoc. Prof. Dr. Mohd Azlan Jayasilan and two postgraduate students supervised by Dr. Azlan and Assoc. Prof. Dr. Ramlah from the Department of Zoology, Faculty of Resource Science and Technology, UNIMAS were given the opportunity to participate and present their research findings during this meeting. Both postgraduate students were funded by JSZWM Japanese Society of Zoo and Wildlife Medicine (JSZWM).

However, the expansion of plantations to meet global demand for vegetable oils should not be at the expense of our biodiversity and rural communities. It is important that oil palm growers play a role in sustainable development by being environmentally responsible and promote the conservation of natural resources and biodiversity. As more global companies are being committed to 100% RSPO certified palm oil -growers in Malaysia particularly in Sarawak need to be proactive to produce sustainable oil palm which in turn can result in significant returns and economically transformative for this industry.

It is a noteworthy step for the development of sustainable oil palm plantation and for the advancement of the best management practices in general. The MoU represents the necessary balance of future conservation and sustainable development efforts, which require strategic partnerships between industry, developers, government and research institutions to achieve the most effective results.

This MoU is expected to create opportunity for an advance exploration in scientific research, for the betterment of our people and the beautiful world we live in. UNIMAS is ready to expand its expertise and intellectual growth into constructive research and

development initiatives, and it is one of the steps for the university to attain its mission to become a university of choice for scholars and students in the region.



The exchange of gifts between the Vice Chancellor, Profesor Dato' Dr. Mohamad Kadim bin Suaidi and Mr Jeremy Goon, Chief Sustainability Officer of Wilmar International in Kuala Lumpur

- Mohd Azlan Jayasilan Abdul Galam Azad

AT THE 9TH INTERNATIONAL MEETING OF ASIAN ONE HEALTH IN ASIA-PACIFIC, TAIPEI TAIWAN.

During the meeting, Madinah Adrus (PhD. student) and Thaifah Syaza Jailan (MSc. student) from UNIMAS, the only two representatives of Malaysian's student, have been awarded as the best presenter from other countries category. Madinah Adrus with her research project entitled "Gastrointestinal parasites infections in three different populations of non-human primates in Malaysia" was awarded the best presentation from the primate session by The Society of Primate Disease and Pathology (SPDP). Thaifah Syaza Jailan with her research project entitled "The Distribution and Conservation of Malayan Sun Bear in Sarawak, Borneo" was awarded as the excellent oral presentation by ASCM. The 10th International Meeting of Asian Society of Conservation Medicine will be held in Kuching in 2017.



- Madinah Adrus, Thaifah Jailan, Ramlah Zainuddin & Mohd-Azlan JayasilanAzad

Sharks are a group of fish with over 400 known species living in our oceans today. This major predator serves to regulate the marine food chain below them. However, their reputation as a deadly ocean predator has not helped their plight of massive depleting populations and the negative cascading effects to the world's marine ecosystems.

This fact inspired many students of the Faculty (mainly from the Aquatic Science Department) to organise the Sharks Are Friends Not Food! Project on the 3rd of December 2016 at CityONE Megamall. Under the mentorship of Dr Aazani Mujahid, students were awarded funding by the US Embassy under Young Southeast Asian Leaders Initiative (YSEALI) program for their activities. Together with Non-Governmental Organisations (NGOs) such as WWF-Malaysia, and World Conservation Society (WCS), the team with over 50 student volunteers consolidated their time and effort for over two months of preparations to produce a successful fun-filled day of activities.

The student teams were confident that through the Sharks Are Friends Not Food! event, their efforts

helped to increase awareness about the 100 million sharks being killed annually around the world (nearly 300,000 die DAILY worldwide!). Furthermore, they were confident on achieving their aim to enhance awareness of the important roles of sharks in the ecosystem, highlight the choices consumers can make in their seafood choices, and other ways the general public can assist in NGO efforts to conserve the shark populations.

Activities held include printed exhibitions prepared by students, an

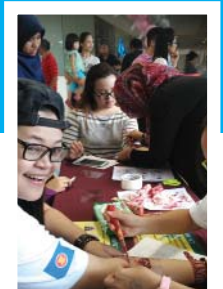


interactive children booth (special appearance by shark mascots, shark henna tattoos, colouring of bookmarks, various games, and storytelling), as well as talks by WWF and WCS. The main highlight was the outreach activity through collection of signatures for a special and ambitious handmade 295,000 piece Pua Kumbu Shark Quilt - representing the number of sharks killed daily around the world. Over the month period, the students collected over 5000 pledges for non-shark consumption.

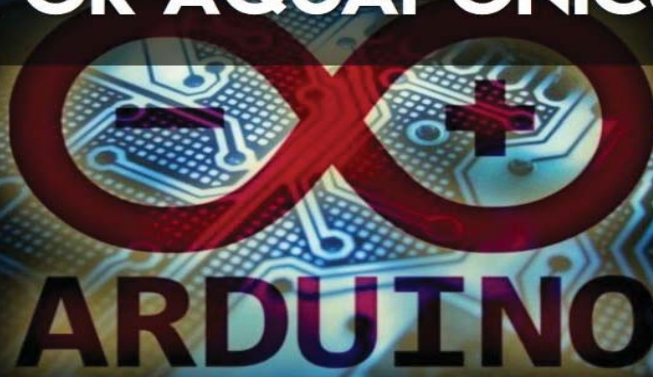
Overall we received many positive feedbacks and look forward to plan the project as an annual anchor event to be hosted by UNIMAS together with NGOs. Volunteers who participated felt they were 'winners' and the event had a major impact as a lifelong learning experience. Students had hands-on experience especially with regard to enhancing their capability in project management, improving their communication/ leadership/ teamwork skills while increasing their own knowledge and awareness about shark conservation. As said by Vincent Van Gogh, "Great things are done by a series of small things brought together". Indeed.

Interested to know more? Visit our official FB page, Sharks Are Friends, Not Food @ <https://www.facebook.com/SharkAwarenessDay/>. Watch our Mannequin Challenge @ <http://bit.ly/2gYaEHw> or more pictures of our event @ <http://bit.ly/2kPV4gJ>

- Aazani Mujahid



BASICS IN EMBEDDED PROGRAMMING FOR AQUAPONICS



UNIMAS



Workshop on Basics for Embedded Programming for Aquaponics

The Department of Aquatic Science (Aquatic Science) had successfully organised a workshop on Basics for Embedded Programming for Aquaponics on 7th of December 2016. The workshop was facilitated by Dr. Fathurrahman Lananan, an expert in the embedded programming skill. This workshop was a lifelong learning activity for Aquatic Science staffs (academic and technical) and also attended by some of our postgraduate students in order to provide knowledge and enhance technical skills in setting up the programming for our later Aquaponics project.

This workshop caters a hands-on activity in which all participants were provided with a RoboPRO Arduino Starter Kit for Intermediate. Ten mini projects were set up and tested by the participants, including Piezo Melody, Knight Rider, Traffic Light, Car Wiper, Ultrasonic Ruler, Temperature Warning and Anti-theft System. Mr. Wan Zabidii Wan Morni was selected as the best coder and received an advanced RoboPRO Arduino Kit (Italian Arduino Uno, RFID RC522 Reader, RFID Card and Waterproof tag).

- Farah Akmal Idrus



JKM CHEMISTRY NIGHT 2016

Institut Kimia Malaysia (IKM) Sarawak Branch held its annual chemistry night on 16th December 2016 as well as celebrating its 30th year anniversary at Imperial Hotel Kuching. IKM Chemistry night held annually with the objective to cultivate close ties among chemists, associates and friends as well as to give recognition to students who excelled in chemistry at school and university level. The audience was entertained by a Harpiist Ms Gladys Tan and seasoned musician Tracy Mamora. A video show on IKM activities from the year 1986 until 2016 was presented to the audience.



The highlight of the night was IKM Sarawak Branch Distinguished Service Award which was presented to the most outstanding IKM member in Sarawak who has made tremendous contribution, dedication and distinguished service to IKM Sarawak Branch and to the development of Chemistry in Malaysia. The recipient of the award was Mr Chan Woon Peng. He was the founder of IKM Sarawak Branch and Branch Chairman for 25 years from 1986-2011 and later as Advisor for 5 years. That night, IKM Sarawak also presented Merit Awards for academic achievements to, Teoh Chen Shen (SPM student), Ng Chin Cheng (BSc degree in Resource Chemistry, UNIMAS), Kong Ying Ying (MSc in Physical Chemistry, UNIMAS) and Dr Cindy Tan Soo Yoon. (PhD in Chemistry, Cambridge University, UK).

IKM is a professional statutory organization incorporated under the Chemical Act 1975. It is entrusted with the three main provisions:

- To regulate the practice of chemistry in Malaysia
- To represent the profession of chemistry in Malaysia
- To promote public awareness appreciation and advancement of chemistry in Malaysia.

MICROWAVE SYNTHESIZER SEMINAR

A one-day seminar on the use of Microwave Synthesizer was conducted at Organic lab, FRST, on 7th December 2016 by Ms. Tam Yit Then, Senior Application Chemist from Nexus Analytics Sdn Bhd which is based in Petaling Jaya, Selangor. The seminar was attended by postgraduate students and lecturers from Chemistry Department.

Microwave heating is by far the superior choice for synthesizing novel compounds and can offer advantages other than just speed. It can also operate at temperatures and pressures not attainable through traditional heating and allows chemists to perform reactions previously not possible. It can be used for polymerization or medicinal drug synthesis and peptide synthesis besides organic synthesis.



MAGU 2017

UNIMAS Excellent Award Ceremony - 28th March 2017

Loyal Service Award



Amin
Mangi



Mohd Hadzan
Mos



Assoc Prof. Dr.
Mohd Hasnain
Md Hussain



Hidir
Marzuki



Selina
Jawawi



Wahap
Marni

Academic Award



Assoc. Prof. Dr. Mohd Azlan Jayasilan
Abdul Gulam Azad
(UNIMAS Publication Award)



Dr. Rafeah Wahi
(UNIMAS Most Promising
Academician Award)



Assoc Prof. Dr. Chin Suk Fun
(UNIMAS Higher Impact Journal (Science)
For Makalah Publication Award)



Wan Nurainie Wan Ismail
(UNIMAS Blended Learning Award)

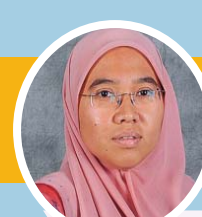
Excellent Service Award



Prof. Dr. Hamsawi
Sani



Assoc Prof. Dr.
Mohd Hasnain
Md Hussain



Dr. Aida
Shafreena
Ahmad Fuad



Dr. Wee Boon
Siong



Dr. Farah
Akmal Idrus



Wan
Nurainie
Wan Ismail



Lieda
Anthony



Siti Nur Liyana
Sariee



Wahap
Marni

Congratulations



Prof. Dr. Lau Seng – The inaugural winner for the Individual Category of The 7th Chief Minister Environmental Award (CMEA) on 1 March 2017. The award to recognize individuals who have contributed significantly to Sarawak in the areas of environmental management, protection and conservation.

New Appointments



Assoc Prof. Dr. Mohd Azlan
Jayasilan Abd Gulam Azad
Deputy Dean
(Industry and Community Engagement)



Dr. Faisal Ali Anwarali Khan
Deputy Dean
(Students Affairs and Alumni)

Promotions



Prof. Dr. Kopli Bujang
(VK5)
16 January 2017



Prof. Dr. Shabdin Mohd Long
(VK6)
16 January 2017



Prof. Dr. Othman Bojo
(VK7)
16 January 2017



Noryanti Baizura Badhi
(N22)
16 December 2017

Retirements

Prof. Dr. Shabdin Mohd Long



Prof. Dr. Hamsawi Sani



Abas Said



New Lecturers



Dr. Mohammad Bodrul Munir



Dr. Vu Thanh Tu Anh

Staff Transfer



Noryanti Baizura Badhi
(Transferred to Centre
for Graduate Studies)



Diana Busman
(Transferred From Centre
For Gradute Studies)



Dered Krian Scientific Expedition 2016
 - 19th & 30th September 2016 -



Festival Sukan Tradisional UNIMAS 2016
 - 10th December 2016 -

SNAPSHOT



FRST Jeans & Denim Night
 - 17th December 2016 -



Majlis Sanjungan Budi Lambaian Kasih
 - 08th Febuary 2017 -



Faculty of Resource Science & Technolgy
Universiti Malaysia Sarawak
(UNIMAS) 94300
Kota Samarahan Sarawak
Tel : 082-583136
Fax : 082-583160

Website: <https://www.frst.unimas.my>



<https://twitter.com/FrstUNIMAS>



[www.facebook.com/Frst Unimas](http://www.facebook.com/FrstUnimas)