

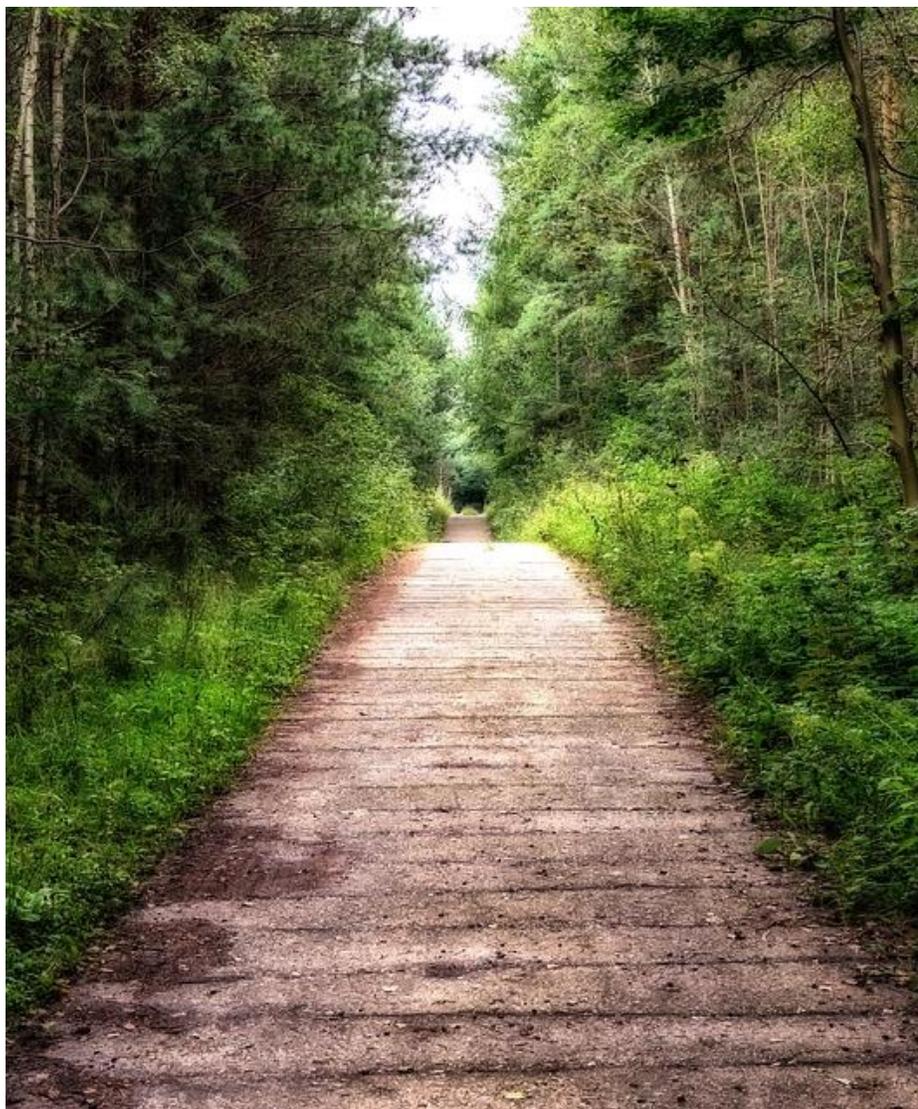
The P@TH



Centre for Pre University Studies, Volume 2 / 2019 / June

Special Interest Articles:

- Special message from Assist. Director.
- Think green sustainable fashion.
- Passing on the hope.



Individual Highlights:

Computational & Theoretical Chemistry.....	3
Go Green Fashion Show...	4
Education Talk from University of Sunderland, UK.....	5
Pot Plant Planting.....	6

Quote of the day:

“Imagination is more important than knowledge.”

- Albert Einstein -

Message from Assist. Director



**Mdm. Masitah binti Mat,
Acting Assistant Director,
Centre for Pre University Studies**

Dear readers,

Time do flies as we already past half the year of 2019. It is indeed a pleasure for me to write and share some messages to all of you. First of all, I would like to congratulate the editorial team members who managed to come out with The Path second issue to cater to the news of informative research, articles and all the exciting events organized by Centre for Pre University Studies. Your efforts are highly appreciated.

As you know, The Path is one of the platforms for the academicians, staff, and students to share the view and news at Mahsa University. Hence, we try to focus on the latest updates of researches and highlight all the activities participated by our staff and students. Please feel free to share and send any informative and exciting articles to us for inclusion in the future The Path issues.

From now on, the Centre for Pre University Studies will work hand in hand and try to deliver our best in providing the best education to our students and shaping them to become holistic graduates. I wish all the readers would take some time and enjoy reading The Path. Thank you.



Welcome! New editorial team members.

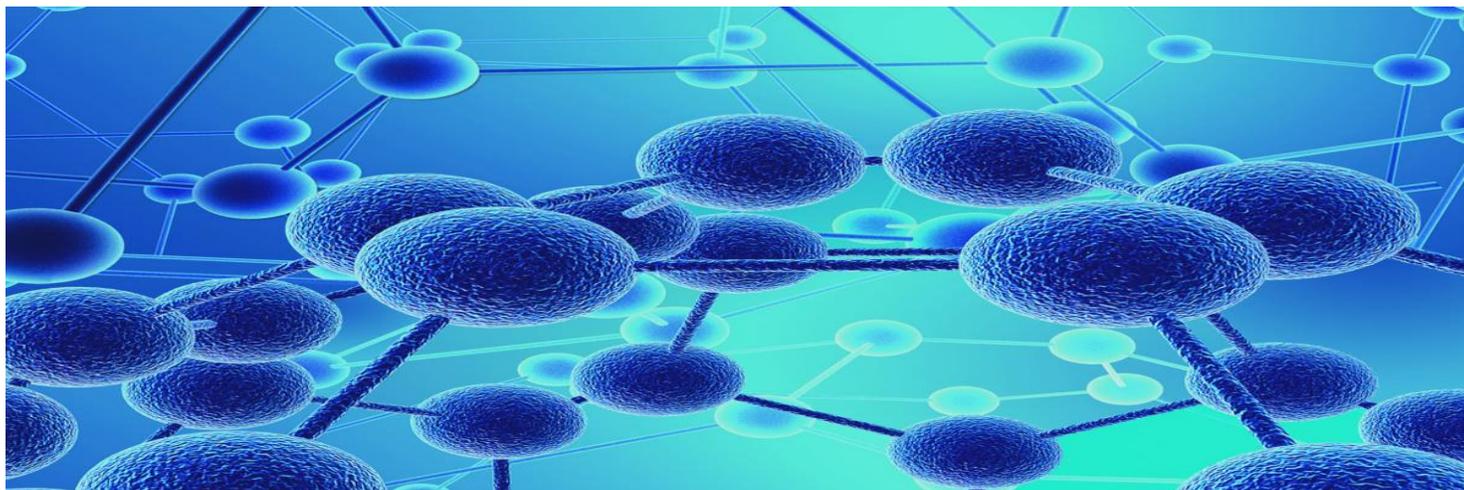
Like all things, nothing will come of nothing. The Path, the newsletter is made possible by the efforts of our editors/writers.



Dr. Mohamad Helmi
-Learn from basic-



**Ms. Norlaila Najwa bt.
Rahman**
-She believed, she could, so
she did-



“Computational chemistry integrates mathematics and statistics for theory and modeling study.”

Molecular modelling is one of the techniques for representing, deriving, and manipulating the structure and reaction of molecules and its properties on three dimensional structures.

Computational & Theoretical Chemistry

Author: Naimah Haron

This has formed a new field in chemistry known as computational chemistry, where the computer is used as an “experimental” tool. Complementary to experiments, computational modelling has provided reliable details into the nature of their interactions.

Computational chemistry studies can be carried out to find a starting point for a laboratory synthesis or to assist in understanding experimental data, such as the position and source of spectroscopic peaks.

In addition, computational helps to design more productive and efficient processes, characterize new compounds and materials as well as to study the fundamental of atoms, molecules and chemical reactions.

Therefore, computer modelling can both support and predict experimental work. Nevertheless, chemistry is the science which dealing with chemical reactions, transformation and properties of molecules. Hence, Theoretical chemistry comprised the subfield where mathematical methods are combined with fundamental laws of physics to study processes of chemical relevance.

During the 1960 and 1970, electronic computers transformed from a very expensive and difficult to handle, becoming commonly accessible for researchers all over the world in many branches of science. Molecular modelling allow scientists to use computer-approached to visualize molecules or atoms and representing the structure numerically and simulating its behavior with formula and equation especially in quantum and classical physics. This technique also used to discover new ways to drug or radioactive testing more efficiently without jeopardize personnel safety.

Go Green Fashion Show

Author: Norlaila Najwa

Our Mother Earth is dying, and the resources are getting depleted as well. As humankind, we are responsible for this destruction due to our urbanization, crop plantation, industrialization, logging and so many more. From this moment onwards, it is our duty to give back to the Earth. Mahsa University takes serious regarding this matter; hence March has been selected as Go Green Month organized by Faculty of Engineering. Human and fashion are inseparable. In conjunction with Go Green Month, Centre for Pre University Studies organized a Go Green Fashion Show. All the contestants need to think green and make eco-friendly clothing and accessories using recycle items such as newspapers, cans, boxes, plastic bottles, straw and so on. This event encourages students as young designers to explore and create stylish designs from sustainable sources.



Think Green: Sustainable Fashion

Even it is a very small step and gesture, we can make a difference and save our Earth with eco-friendly clothing. All this while, the fabric, and materials of our clothes are made up of non-organic materials such as the skin and fur of animals that can cause serious damage to nature. Through this event, we can raise awareness among Mahsa staff and students.

Through sustainable fashion, we can lessen the impact on the environment. One thing for sure, our future-looking greener! So start today and make a difference.



Education Talk from University of Sunderland, UK

Authors: Xiyuan, Meng Yew, Jia Jun, Kai Wei, Wei Hong, Khong Kian, Kah Seng, Raaima, Yoga and Kavinaath

On 20th March 2019, MAHSA Centre for Pre University Studies organised an educational talk on Master of Pharmacy and Cosmetic Sciences. The insightful talk was given by Charlotte Earl-Sinha and Callum Tierney, the Senior Lecturers of Pharmacy practice from University of Sunderland. Charlotte Earl-Sinha begun her speech with a welcoming introduction of herself.

University of Sunderland also recognizes MAHSA University's foundation program and therefore students who are currently studying in foundation programs are able to pursue Cosmetology.

As she slowly unfolds to us the culture and lifestyle of Sunderland students, we learned that the University of Sunderland genuinely prioritises the safety and well-being of international students. Each international student is assigned a personal mentor who guides, nurtures and ensures the comfort of the students. For Malaysians, we can join an active club named University of Sunderland Malaysia Society, fondly known as SUMAS. Callum Tierney continued with a brief explanation of Master of Pharmacy degree programme.

The Master of Pharmacy degree programme teaches knowledge and skills in medical chemistry, pharmaceuticals, clinical therapeutics, clinical management of chronic and acute illnesses and patient-focused clinical skills. The University of Sunderland have first class teaching facilities and experienced pharmacist academics who remain clinical practices and this programme has been taught in Sunderland for over 90 years. The cost for this programme is £11,500 per year. After graduation, one can become a professional pharmacist not only in the UK, but in other countries too.

The talk ended at 1:30 pm and left us in admiration of the well-established education in University of Sunderland. To conclude, the educational talk was a pleasure to listen to. We truly appreciate the speakers' willingness to approach us out of their schedule. To Charlotte Earl-Sinha and Callum Tierney, thank you for speaking to us.



University Social Responsibilities: Pot Plant Planting Event

Author: Norlaila Najwa

Planting a plant is a lifelong investment where it benefits humankind in so many ways. Global heating can be overcome as plants help to capture a huge amount of CO₂.

In conjunction with University Social Responsibilities Month handled by the Faculty of Dentistry, Centre for Pre University Studies and Faculty of Nursing and Midwifery were allowed to organize the pot plant planting and pot plant giving events. On 2nd May, Pre U students from batch September 2018 took part in this planting event where they get their hands on and learned the correct techniques in planting. All Pre University student were really enjoying this event while learn all the basic and gain knowledge how to plant a plant and what types of plant that available surrounding us.

Planting a plant is a lifelong investment where it benefits humankind in so many ways. Global heating can be overcome as plants help to capture a huge amount of CO₂. In conjunction with University Social Responsibilities Month handled by the Faculty of Dentistry, Centre for Pre University Studies and Faculty of Nursing and Midwifery were allowed to organize the pot plant planting and pot plant giving events. On 2nd May, Pre U students from batch September 2018 took part in this planting event where they get their hands on and learned the correct techniques in planting.

Pot plant giving was held on 24th May where the pot plant was given to all the staff and students for free. They will continue to nurture the plant at home. This planting program should be continued from time to time and on a bigger scale as it is by far the biggest and cheapest way for us to help our dying mother earth so that the 'hope' can be passed to the future generation.

“Planting a plant is a lifelong investment where it benefits humankind in so many ways.”



Upcoming activities

MAHSA University is committed to have monthly activities based on theme.

Please join us and have fun!

Month	Theme	Organiser
July	Health Awareness Month	Faculty of Pharmacy
August	Love Malaysia Month	Faculty of Nursing
Sept	Mental Health Awareness Month	Faculty of Medicine and Biomedical Science
Oct	International Cultural Month	International Marketing

Write us your articles / opinions / poems



- ✓ Have opinions or perspectives wants to voice out?
- ✓ Want to write up on some interesting articles?
- ✓ Want to join the fun of creating a puzzle?

NOW YOU CAN!!

Send your materials or manuscripts to us!

Email: norlailanajwa@mahsa.edu.my

*Our newsletters are published quarterly.

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