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**UMP research leaders are Golden Globe Tig**

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Assistant Vice-Chancellor (Corporate and Quality Affairs), Professor Dato' Dr. Mashitah Mohd. Yusoff, Professor Dato' Dr. Zularisam Abd. Wahid from Universiti Malaysia Pahang (UMP) were recipients of the award in 2019.

Professor Dato' Dr. Mashitah has won the The Golden Globe Tigers Award 2019 for Education Leadership. Professor Dato' Dr. Zularisam for The Best Professor in Engineering Technology Studies.

In partnership with the Malaysian Institute of Human Resources Management (MIHRM), The Golden Globe Awards is an international award for leadership, functional, multi-discipline and industry-focused and recognises 'tigers' in marketing, branding, corporate social responsibility, innovation, education and academia, across all leadership levels.

UMP Vice-Chancellor, Professor Dato' Sri Dr. Daing Nasir Ibrahim said that, he believe this Award validates the university's commitment to engineering science and technology, innovativeness, creativity and our strong desire for excellence.

"With almost 20 years' experience in academia, lecturing and engaging in leadership and management, I am proud to be a part of a team of passionate lecturers who are dedicated in bringing quality legal education to the classroom and beyond, inculcating the need to give back to society.

"They have published prolifically in top journals and continue to actively conduct research in engineering and technology."

The Awards were based on an intensely-researched process undertaken by a research cell who produce a comprehensive report on the record of their achievements.

The winners are then selected by a jury comprising senior professionals from across the globe who exempt from the respective sectors.

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The recipients were honoured at the award ceremony held at the Le Meridien Kuala Lumpur on 24 April 2018.

On hand to deliver the awards was Tan Sri Abdul Aziz Abdul Rahman former Managing Director and Chairman of Malaysia Airlines.

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## **Associate Prof. Dr. Arun Gupta created beauty and cosmetic products from chicken keratin**

Universiti Malaysia Pahang (UMP) researcher, Associate Professor Dr. Arun Gupta from Faculty of Chemical Engineering (FKKSA) led a group of researchers to commercially produce beauty care products called Keraglow, made from chicken feathers.

The products included anti-aging cream, moisturiser, serum, shampoo and other hair care items.

Associate Professor Dr. Arun's research group comprised foreign and local undergraduates – Basma Yahya (Sudan), Triveni Soubam (India) as well as Malaysians Vanessa Alberto and Liyana Maryam.

Their research work had won a gold medal and special award at the Invention and New Products Exposition 2017 and special award at Malaysia Technology Exposition 2018 and at the Creation, Innovation, Technology and Entrepreneurship Competition 2017.

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Their research finding served as an alternative to the placenta extracts and sheep fleece component often found in cosmetic products available in the market.

According to Associate Professor Dr. Arun, they discovered that the cost to extract keratin from sheep fleece was much higher than that of chicken feathers.

He noted that the country had a huge poultry slaughterhouses industry that disposed some four million tons of waste annually. He saw the advantage of the situation to conduct a research and find ways to commercialise the waste.

“We found out that chicken feather consisted of 91 percent of protein, 8 percent of water and 1 percent keratin,” he said.

“Chicken feathers has special keratin and has 20 types of protein. Protein produced is treated for several days to remove any unwanted substances that should not be present in cosmetic production,” he added.

He said the chicken feathers were processed at a factory belonging to a subsidiary, UMP Keraglow Sdn. Bhd. The facility received an Acknowledgement Certificate during the Bio-economy Innovation Award 2017.

He also said it was the first halal facility in Malaysia to develop a wide range of pharmaceutical and cosmetic products. Adding, the facility produced 350 litre of keratin daily.

The capacity was expected to increase to 1,000 litre in the next two years, he added.

“To date, we have received demands from abroad and there are plans to form a collaboration with suitable partners,” he said.

“Also, for ten years, this product research has its patent registered in the United States and Malaysia for export to various countries for pharmaceutical and cosmetic products,” he said.

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**UMP Library introduced Waste4Fine programme: Fines for late return of plastic drinking bottles or canned drinks**

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By: WAN NURULHUDA WAN ZAKARIA, UMP LIBRARY

Universiti Malaysia Pahang (UMP) Library has introduced an ingenious way as part of its efforts to support students pay their fines for late return of library books with plastic drinking bottles or canned drinks.

The programme, Waste4Fine, is an initiative that supports UMP's implementation of green practices towards

According to UMP Acting Chief Librarian, Dzull Zabarrod Ahmad, the programme aimed at creating awareness as providing an alternative for cash-strapped students to pay their fines.

"The library offers high discounted rate-10 sen discount for bottles less than 1,000 ml and 20 sen for bottles

"Recycling rate in the university is still low, only 5.2 percent registered last year and we hope that with this on the importance of recycling and the need to protect and preserve the environment," he said at the official 2019.

Among the guests present were Pahang Solid Waste Management and General Cleaning Corporation (SWMGC) Occupational Safety and Health Management Office (OSHMO) Director, Muhammad Hairynizam Muhd Tailor

The guests and audience also listened to a talk delivered by UI Greenmetrics Initiative Head and Faculty lecturer, Dr. Nazikussabah Zaharuddin.

According to Programme Director, Hajah Siti Aishah Ghani, she hoped that it would bring about positive impact. Adding, the idea for the project was mooted by the Innovative and Creative Team.

The Waste4Fine initiative is available every Wednesday and during the library's operational hours.

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Fines for late return of the library books can still be paid in full or partially by using the plastic bottles or cans.

Library staff stationed at the circulation station will update the record on the fines in its system and is completed making payments using the barter system.

UMP had also implemented the 'Let's Break Up with Single-Use Plastic' to reduce the use of plastic by the by UMP Sustainability Committee, set up under the Waste Management Cluster.

The aim was to instil awareness with doing away single-use plastics in the university.

Various programmes on sustainable practices had been carried out including one called 'MYTAPAU' of which they brought their own containers to pack food from the cafeteria.

UMP was listed 97th on the world ranking and 6th in Malaysia by the UI Greenmetrics World University Ranking.

The rating was based on efforts taken for a green and sustainable campus and environmental management.

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## **Book review on tahfiz education and soft skills by Dr. Rashidi Abdul Wahid programme**

Universiti Malaysia Pahang (UMP) Library held a programme, '[Sharing@BookCafe](#)', aimed at promoting lifestyle and at hand to impart the experience was none other than Dr. Rashidi Abbas, the recipient of the M education category.

Dr. Rashidi Abbas, a senior lecturer at Centre for Modern Languages & Human Science (CMLHS), did a *dan Kemahiran Insaniah*' (Tahfiz Education and Soft Skills) at the event held on April 18, 2019.

He spoke on how interest in writing and meeting the department's target resulted in the publication of the book.

The book delved on the current development of tahfiz education, incorporating seven soft skill elements: problem solving, continuing education and information management, professional ethics and moral, leadership culture.

With its slogan, 'With Knowledge We Lead', the programme was given a transformation by the library as part of the Reading Campaign 2021-2030 and in line with the Ministry of Education's aspiration to encourage the public to read.

According to Acting Chief of Librarian. Dzull Zabarrod Ahmad, the '[Sharing@BookCafe](#)' programme was part of the reading campaign among UMP community.

"It was held for an hour in a casual and relaxed setting, to attract library users and UMP community to share knowledge and information," he said.

He hoped more researchers and prominent, prolific writers would be invited to share their knowledge, research and experience.

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# Training on Fire Rescue at FKASA

By: EMMA MELATI BURHANUDDIN, FACULTY OF CIVIL ENGINEERING & EARTH RESOURCES (FKASA)

Faculty of Civil Engineering & Earth Resources (FKASA) Occupational, Safety and Health (OSH) committee conducted a safety training session on April 23, 2019.

The training was conducted by the Fire and Rescue Department from Taman Tas Station and supervised by and his team mates from the Operation Unit - Mohd Khairul Izhan Mohamed and Fadly Zakri Dollah.

During the training, FKASA staff and students were given a briefing on the types of fire extinguisher available and only buy those certified by SIRIM.

They learned that fire extinguishers were used to extinguish and control small fires but if the fires became large, they should be put out by the fire fighters to put it out.

They also got to know that there were six categories of fires:

- Class A – fires involving solid or organic materials such as wood, plastics, paper, textiles or coal.
- Class B – fires involving flammable liquids such as gasoline, petroleum oil, paint, or diesel.
- Class C – fires involving gases such as propane, butane, or methane.
- Class D – fires involving combustible metals, such as magnesium, lithium, sodium, potassium, titanium.
- Class F/Class K – fires involving cooking oils and fats such as vegetable oil, sunflower oil, olive oil, etc.



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- Class E – fire involving live electrical items and electrical sources.

“In most government buildings, the fire extinguishers consisted of dry powder that could be used for all types of fires,” said Zanaifi.

“Pull the pin, aim at the fire and squeeze the handle until the fire is out,” he added.

Dean of FKASA Dr. Mohamad Idris Ali said the training was important as it helped to enhance awareness and knowledge of unexpected dangers from fires.

He said it was also important for them to be equipped with basic safety knowledge on how to extinguish fires.

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