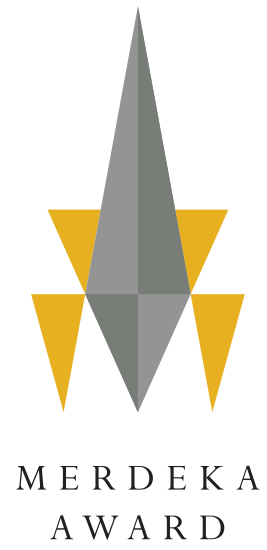


M E R D E K A
A W A R D

Fostering a Culture of Excellence
2020



This work is the Copyright © of the Merdeka Award Trust. Any and all unauthorised reproduction, publication or transmission of this work by any means, electronic or mechanical, including photocopying, recording or by any information storage and retrieval system, whether of any part thereof or in whole, including any text or images herein contained, is strictly prohibited. The moral right of the author has been asserted.



HIS ROYAL HIGHNESS
SULTAN NAZRIN MUIZZUDDIN SHAH
IBNI ALMARHUM SULTAN AZLAN MUHIBBUDDIN SHAH AL-MAGHFUR-LAH
D.K., D.K.S.A., D.K.A., D.M.N., D.K.(Kelantan), D.K.(Selangor), D.K.N.S., D.K.(Perlis),
D.K.(Kedah), Ph.D (Harvard)

**THE SULTAN OF PERAK DARUL RIDZUAN
ROYAL PATRON OF THE MERDEKA AWARD TRUST**

Board of Trustees



Tengku Muhammad Taufik
President & Group CEO, PETRONAS



Edward E Graham
President & Chairman
ExxonMobil Exploration and Production Malaysia Inc



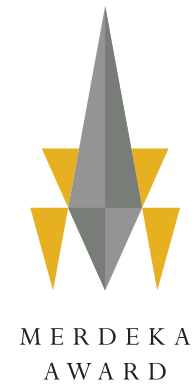
Datuk Iain Lo
Chairman, Shell Malaysia



Prof. Datuk Dr. Halimaton Bt Hamdan
Independent Board of Trustees



Datuk Yvonne Chia
Independent Board of Trustees



Celebrating the Heroes Among Us

The Merdeka Award is presented to honour individuals and organisations that have contributed in an exceptional way to the people of Malaysia.

This Award celebrates the human potential and its ability to achieve excellence by realising the highest goals with breakthrough ideas, and the perseverance to stay with the task to its fulfilment and achievements. It is this exceptional spirit that inspires people and organisation to produce consistently brilliant work over a period of time.

Merdeka Award Trust, now in its 12th year, will continue to foster a culture of excellence, promote thought leadership and innovation, encourage a world view, thereby enhancing Malaysia's standing as a dynamic, competitive 21st Century Global Player in all key sectors from science and technology to the arts.



Tunku Abdul Rahman Putra Al-Haj raised his hand in the air and shouted “Merdeka!” seven times at Stadium Merdeka to declare the nation’s independence.



Making Our Mark

The Merdeka Award is named in acknowledgement of the liberation of mind and spirit that enabled Malaysia to gain independence.

It is this sense of belief that anything is possible coupled by hard work and the perseverance to make a difference that leads to breakthroughs.

The Award recognises and rewards outstanding individuals and organisations; whose work have impacted the lives of Malaysians and beyond in their fields of science, technology, humanities and the arts.

Nomination & Selection

Selection Committee



Professor Datuk
Dr. Asma Ismail



Datuk Azzat
Kamaludin



YAM Tengku Datin
Paduka Setia
Zatashah Sultan
Sharafuddin Idris
Shah



Dato' Ng
Wan Peng



Dato' Hamidah
Naziadin

Nomination Committees

Education & Community



Datuk Ramani
Gurusamy



Datuk Rashidi
Hasbullah



Dina Zaman



Dato' Tharuma
Rajah



YM Raja Datin
Riza Shazmin Raja
Badrul Shah

Environment



Prof Dato' Dr.
Mazlin Mokhtar



Dato' Seri Tengku
Dr. Zainal Adlin
Bin Tengku
Mahamood



Henry Goh

Health, Science & Technology



Prof. Dato'
Dr. Adeeba
Kamarulzaman



Dato' Norhalim
Yunus



Prof. Dr.
Abhimanyu
Veerakumarasivam

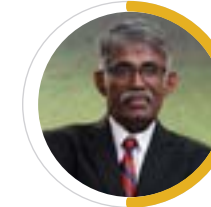
Outstanding Scholastic Achievement



Prof. Dr. Anis
Mohd Nor



Prof. Ir. Dr. Abdul
Latif Ahmad



Distinguished
Prof. Dato'
Dr. Rajah Rasiah

Outstanding Contribution to the People of Malaysia



Dr. Farish
(Badrol Hisham)
Ahmad-Noor



Dr. Marcella Lucas



Prof. Dr.
Kurunathan
Ratnavelu

The nomination and selection of Merdeka Award recipients are administered by the Board of Trustees and six committees – five Nomination Committees and one Selection Committee.

The Board of Trustees comprises representatives from the Founders - PETRONAS, ExxonMobil Malaysia and Shell Malaysia as well as two independent members.

The Board of Trustees and the various committees go through a long and rigorous selection process that reflects the high ideals of the Merdeka Award.

The committee members are made up of eminent Malaysians and non-Malaysians, bringing with them a wealth of knowledge, experience and expertise to allow them to nominate and select outstanding individuals and/or organisations that have laboured tirelessly, with great sincerity and conviction for the good of this country and its people.

Each year, the committee members will deliberate, examine the merits and finer qualities of each nominee, and in the end, identify those who stand above and beyond the rest in their embodiment of the Merdeka spirit.

The Merdeka Award encompasses excellence in the broadest sense, and the categorization acknowledges the collective good that stems from the goal of doing one's best.

Award Categories



EDUCATION AND COMMUNITY

Awarded to individuals and/or organisations to honour exceptional thinking and research in strengthening the educational infrastructure of Malaysia. In elevating the level of education and in benefiting the marginalised.



ENVIRONMENT

Awarded to individuals and/or organisations to honour the development, research and application of new technology and practices in renewing and protecting the environment.



HEALTH, SCIENCE & TECHNOLOGY

Awarded to individuals and/or organisations to honour the creation, development, support and application of new and innovative technology that improve the lives of people everywhere.



OUTSTANDING SCHOLASTIC ACHIEVEMENT

Awarded to a scholar conducting or playing a major role in academic research resulting in significant discovery.



OUTSTANDING CONTRIBUTION TO THE PEOPLE OF MALAYSIA

Awarded to a citizen of any nationality and/or foreign organisation to honour substantial contribution to Malaysia or to the lives of Malaysians.



Recipients 2020



EDUCATION AND COMMUNITY CATEGORY **Majlis Kanser Nasional (MAKNA)**

For outstanding contribution in providing financial, medical, emotional and social support to cancer patients while advocating and furthering cancer research for over 26 years.



ENVIRONMENT CATEGORY **South East Asia Rainforest Research Partnership (SEARRP)**

For outstanding contribution to the conservation, sustainable management and restoration of Malaysia's forest ecosystem as well as the education and training of environmental scientists.



OUTSTANDING SCHOLASTIC ACHIEVEMENT CATEGORY **Professor Dr Ng Kwan Hoong**

For outstanding contribution in the education and pioneering work advancing the fields of medical physics and radiation medicine in Malaysia.



OUTSTANDING CONTRIBUTION TO THE PEOPLE OF MALAYSIA CATEGORY **Suzanne Mooney**

For outstanding contribution in reducing Malaysia's food waste by feeding and donating essential items to those in need through The Lost Food Project.

EDUCATION AND COMMUNITY

Awarded to individuals and/or organisations to honour exceptional thinking and research in strengthening the educational infrastructure of Malaysia. In elevating the level of education and in benefiting the marginalised.

“Our patients are our role model. We admire and respect their strength in battling the disease and overcoming their fears, from start to finish. They set a great example for all of us that life is worth fighting for and to never take anything for granted, especially our health.”
- Dato' Mohd Farid Ariffin



MAJLIS KANSER NASIONAL (MAKNA)
EDUCATION AND COMMUNITY



MAJLIS KANSER NASIONAL (MAKNA)

MAKNA has provided financial, emotional and social support to nearly 60,000 cancer patients for over 26 years, without discriminating on creed, color or ethnicity. It also has a cancer institute, consisting of an oncology ward, radiotherapy services and a stem cell transplant ward, run in collaboration with Hospital Canselor Tuanku Muhriz (HCTM). The MAKNA Cancer Research Award has, meanwhile, encouraged young scientists to join the battle against the disease for 18 years now.

Started nearly a quarter century ago as one man's quest against a terminal illness that struck his son, Majlis Kanser Nasional, or MAKNA, is today an internationally-affiliated cancer fighting organisation that has evolved beyond the expectation of its founder, former deputy health minister Dato' Mohd Farid Ariffin.

Their core mission remains helping poor cancer-stricken people undergo treatment, and assisting in their therapy through emotional and social support. Moreover, it has also grown from a one-man organisation to one with volunteers across the country, a cancer research center and a record of assisting tens of thousands of Malaysians and their families.



MAKNA Bursary (Financial Assistance) Department



PinkOctober: Institut Kanser MAKNA (IKM) 2019

A passion that keeps us running in this specific field for so many years

"In 1992, our beloved Farul was diagnosed with leukemia. At that time, we were fortunate enough to be able to afford the best treatment and the best team of doctors. He received a regimented treatment in Hammersmith Hospital in London, which included autologous bone marrow – that was not yet available in Malaysia. After a few years battling the disease, he was finally free from cancer. While he was recovering in the hospital, our family made a promise that on our return to Malaysia, we would set up a cancer organisation to help poor families gain access to cancer treatment. We never stopped our efforts until now and will continue as long as necessary. While still free from cancer, Farul passed away in 2011 due to lung fibrosis." - Dato' Mohd Farid Ariffin

Since its founding in 1994, the organisation has extended financial aid to nearly 60,000 cancer patients and their families through its Bursary Assistance Programme. It also provides short-term accommodation to those unable to afford travel costs or were physically unfit for travel between hospital and home. MAKNA operates six "Halfway Houses" for this purpose, located in Johor Baru (Johor), Kepala Batas (Penang), Kota Bharu (Kelantan), Likas (Sabah), Kuching (Sarawak) and Putrajaya. Under the Bursary Assistance, cancer patients in lower income groups undergoing treatment in government hospitals can get assistance for buying non-formulary drugs, surgical equipment, colostomy bags and others.

A portion of funds raised by the organisation, now run by Farid's daughter Farahida Mohd Farid, goes towards supporting young scientists conducting cancer research. The MAKNA Cancer Research Award commemorated its 19th year in 2019.



MAKNA Cancer Support Group 2019



Villa Farul, Putrajaya

“Merdeka means being proud of being Malaysians. It also means Freedom. Being poverty free, being cancer free.”

- Dato’ Mohd Farid Ariffin



During Klimb Kinabalu in 2019



MAKNA Home Stay Programme in 2019



MAKNA Volunteer Unit: Re-Cycle, Give Cycle Event 2018

To practice a comprehensive approach in its battle against cancer, they set up a cancer institute in collaboration with Hospital Canselor Tuanku Muhriz (HCTM), which comprises of an oncology ward, a radiotherapy services center and a stem cell transplant ward. Since 1999, the cancer centre has served over 19,000 patients.

The organisation has also established a database of stem cell donors for patients in need. The registry was established in December 2000 under a joint project with the Ministry of Health and Institute for Medical Research. In Malaysia, a stem cell transplant is commonly carried out for patients suffering from leukemia or thalassemia. Other blood diseases including lymphomas, immunodeficiency and aplastic anemia may also benefit from a stem cell transplant.

The other prime mover within the organisation is its army of volunteers, who are found all over the country and come from various backgrounds and include cancer survivors.



MAKNA Digital Mobile Mammogram Unit Team

These volunteers help the organisation reach larger groups of cancer patients by conducting various outreach programmes that include home and hospital visits. MAKNA particularly emphasize the importance of early detection. For instance, in 2011 they launched a 40-foot trailer equipped with a mammogram machine manned by qualified radiographers and nurses to provide mammogram screenings to women in rural and urban poor areas. Now, two more units are in the pipeline for East Malaysia.



Unloading of items during Mobile Trailer inspection

MAKNA’s Young Cancer Survivor Scholarship Programme launched in 2005 also lessens the financial burden on families and improves the quality of patients’ lives by providing them with the opportunity to pursue their tertiary education. Cancer survivors aged 25 or younger from lower income groups are eligible to apply.

Internationally, the organisation has established an office in Hanoi, Vietnam since 2009 to take its cancer mission fighting abroad.

In recognition of its humanitarian work, the organisation has been made a member of the United Nations Economic and Social Council (ECOSOC) with Special Consultative Status since 2018. Aside from that, MAKNA received several other awards such as Anugerah Inovasi Perdana Menteri 2014, Golden Globe Tigers NGO Leadership Award 2018, Best AIESEC Exchange Participant 2019, Ibn Khaldun Merit Award for Social Transformation 2019 and the Brandlaureate Award for Social Responsibility 2019. The Registrar of Societies (ROS) also recognized MAKNA as one of the top three Best Practices and Governance Organizations in 2019.



Cancer Awareness Exhibition



MAKNA Cancer Research Award 2019



PPE Donation to MOH in 2020



MAKNA Home Visit in 2020



MAKNA's staff in its headquarters celebrate Pink October

Through grants and funds, recognition and awards, both local and international, some 180 full-time, dedicated and passionate staff and thousands of volunteers, the organisation works tirelessly to advance the prevention, detection and treatment of cancer, ultimately driving down mortality from the disease.



Volunteer Appreciation Day 2018

Personal philosophy

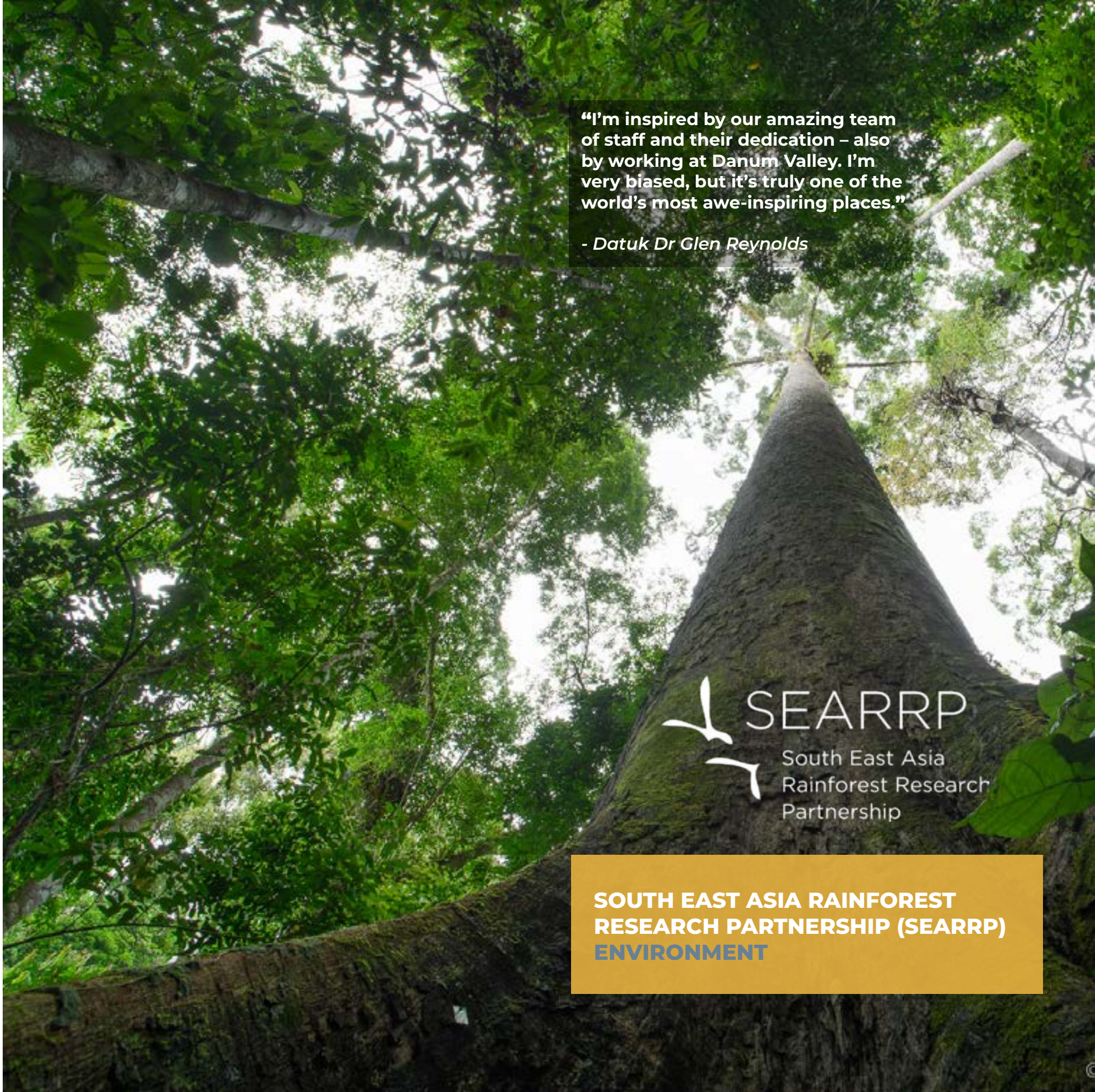
“Always be humble and stay true to yourself. Speak the truth and do what’s right.”
- Dato’ Mohd Farid Ariffin

Message to Young Malaysians

“First, do things with sincerity, and second, serve others. You should also not expect from others what you do not expect from yourself. Always believe in yourselves even if no one believes in you. You don’t need validation from anybody to achieve great things.”
- Dato’ Mohd Farid Ariffin

ENVIRONMENT

Awarded to individuals and/or organisations to honour the development, research and application of new technology and practices in renewing and protecting the environment.



“I’m inspired by our amazing team of staff and their dedication – also by working at Danum Valley. I’m very biased, but it’s truly one of the world’s most awe-inspiring places.”

- *Datuk Dr Glen Reynolds*



**SOUTH EAST ASIA RAINFOREST
RESEARCH PARTNERSHIP (SEARRP)
ENVIRONMENT**



South East Asia Rainforest Research Partnership (SEARRP)

Outstanding contribution to the conservation, sustainable management and restoration of Malaysia's forest ecosystem. Played an instrumental role in the education and training of Malaysian environmental scientists.

The South East Asia Rainforest Research Partnership (SEARRP), established in 1985 by the Royal Society of the UK and Commonwealth Academy of Science, has made a significant contribution to the conservation, sustainable management and restoration of rainforests in Malaysia, particularly Sabah.

From their base in Borneo's Danum Valley in Lahad Datu, Sabah, it has emerged as a premier source of rainforest research in the tropics. It has published over 550 papers in the world's leading academic journals. The organisation also has a strong understanding of rainforests, restoration and the sustainable management of tropical landscapes.



SEARRP's senior management team - 2020



Oscar-winning actor Dame Judi Dench - climbing a tree while filming at Danum Valley in 2018

It is led by its Director, Datuk Dr Glen Reynolds who has over 15 years of leadership experience and a proven record of success in securing major research grants, building institutional and political support and delivering scientific excellence across multiple disciplines. They work in close collaboration with leading international universities and local partners to facilitate research by individual scientists and manage major environmental issues.

In close collaboration with its Malaysian partners, particularly the Sabah Forestry Department, it facilitates world-class scientific research that addresses major environmental issues. It has developed further understanding of rainforests by making Danum Valley its base, and established the Danum Valley Field Centre that became the most renowned, influential and productive research station in South East Asia. The Danum Valley Field Centre is also one of the top three centres of its kind in the world, attracting thousands of Malaysian and international school and university students annually.



SEARRP scientist working on a small mammal

For over 30 years, the organisation-linked scientists, supported by research grants of over US\$50 million (RM219.45 million), have been engaged in a coordinated programme of ecological science. Research through the organisation has contributed to the formulation of land use, conservation and forest or plantation management policy in Malaysia by demonstrating the value of logged forest in supporting biodiversity and ecosystem services.

It's Sabah Biodiversity Experiment is jointly conducted with the NERC Centre for Population Biology, University of Zurich and the Malaysian forestry company Innoprise Corporation. This large-scale forest biodiversity experiment on Sabah's rainforests is to provide a platform for testing various questions related to the effects of tree diversity, ecosystem processes, successful forest reestablishment, bio geochemical ecosystem processes and ecological processes.



Hydrological studies have been a core component of SEARRP science



SEARRP scientist, Dr Tom Fayle, studying ants



SEARRP scientists pinning beetle specimens at Universiti Malaysia Sabah



SEARRP scientists with a 'harp' trap for capturing bats



SEnSOR Project booth at a Round Table RSPO conference in Bangkok 2019

“Rainforests are endlessly fascinating; studying them for 10 lifetimes would only scratch the surface. There is still so much to understand.”
- Datuk Dr Glen Reynolds



SEARRP's work now takes place in oil palm plantations and contributes to their sustainable management

Sustainable palm oil production is also a major strategic focus of the organisation research, whereby the science in this field is delivered through the Stability of Altered Forest Ecosystems (SAFE) Project, one of the world's largest ecological experiments. The recently-initiated Socially and Environmentally Sustainable Palm Oil Research (SEnSOR) project is a multi-disciplinary programme that aims to test if the certification of plantations under the Roundtable on Sustainable Palm Oil (RSPO) is delivering sustainability.

In 2017, the organisation and Wild Asia signed a five year MOU on a new partnership that aims to draw on the strengths of both parties in order to encourage scientific research, with a focus on issues relating to small-holder production of palm oil and the livelihoods of rural and forest-dependent communities in Sabah.

The collaboration will be based primarily at Wild Asia's sites in Sabah and involve the communities in which they have built long-standing relationships including at Beluran and on the Kinabatangan River.

SEARRP contributes regularly at local, regional and international conferences and other meetings where policy issues are discussed and formulated. One of these is the formulation of Reduced Impact Logging (RIL) guidelines for South East Asian lowland rainforests, calculation of sustainable timber yields and appropriate cutting cycles. The use of RIL techniques are now a compulsory requirement in all of Sabah's commercial forest reserves totaling 2.5 million hectares.

To date, SEARRP researchers have published 600 articles in leading international journals which have been cited almost 40,000 times in the scientific literature. It has supported numerous research projects which have led to the successful completion of over 170 PhD and MSc projects including 54 Malaysians. Currently, it has about RM80 million in active research grants. It is jointly led by Malaysian and UK co-directors and employs over 60 mostly Sabahan field staff, many of whom have been with SEARRP for 20 years or more.



University field course from ETH Zurich, facilitated by SEARRP



University field course from Imperial College, facilitated by SEARRP

SEARRP also has a RM60 million, 10-year Leverhulme Trust award from the University of Sheffield to establish the Leverhulme Centre for Climate Change Mitigation to develop and assess the underlying science for safely removing large amounts of CO2 from the atmosphere.



Mother Orangutan with infant at Danum Valley Field Centre

SEARRP's base - the Danum Valley Field Centre, Sabah

Message to Young Malaysians

“Spend time in, enjoy, better understand and take pride in your wonderful forests. It’s so important that Malaysia’s rainforests are protected and, where necessary, restored. This can only be achieved through the efforts and dedication of the next generation of Malaysian scientists and conservation professionals.”

- *Datuk Dr Glen Reynolds*

“It’s such a great honour for our programme to be recognised in this way; the Merdeka Award will be a huge source of pride for our staff, many of whom have been with us for decades. To have their work and dedication acknowledged through this prestigious award is wonderful.”

- *Datuk Dr Glen Reynolds*



SEARRP at the 10th Anniversary of the Heart of Borneo conference. SEARRP's Director, Datuk Dr Glen Reynolds is seated third from the left

The Organisation's Academic Council consists of a group of 20 of the world's leading universities to oversee the organisation and provide strategic direction to ensure the development of policy and best practice. The council, supported by high net worth individuals, was launched at an event of royal society, attended by the Duke and Duchess of Cambridge and global environmental icon Sir David Attenborough.

OUTSTANDING SCHOLASTIC ACHIEVEMENT

Awarded to a scholar conducting or playing a major role in academic research resulting in significant discovery.



“Nurturing and seeing my post-graduate students successfully graduated and use their research skills and knowledge contributing to society and being named as one of the outstanding 50 medical physicists in the world in 2013 are some of the best moments of my career.”

PROFESSOR DR. NG KWAN HOONG
OUTSTANDING SCHOLASTIC
ACHIEVEMENT



Prof Ng doing research on mammography

PROFESSOR DR. NG KWAN HOONG

A medical physics pioneer whose research in radiation medicine has contributed significantly to the fight against breast cancer globally by researching in various imaging methods including breast density measurement to help early detection. His extensive research on breast cancer imaging also won him the prestigious Marie Skłodowska-Curie Award. A multi-disciplinary expert who also served on the International Atomic Energy Agency and founded the South East Asian Federation of Organizations for Medical Physics, among many organizations

Among Professor Dr. Ng Kwan Hoong's many achievements, is his work on breast cancer imaging research that has contributed significantly to the early detection and management of the disease worldwide.

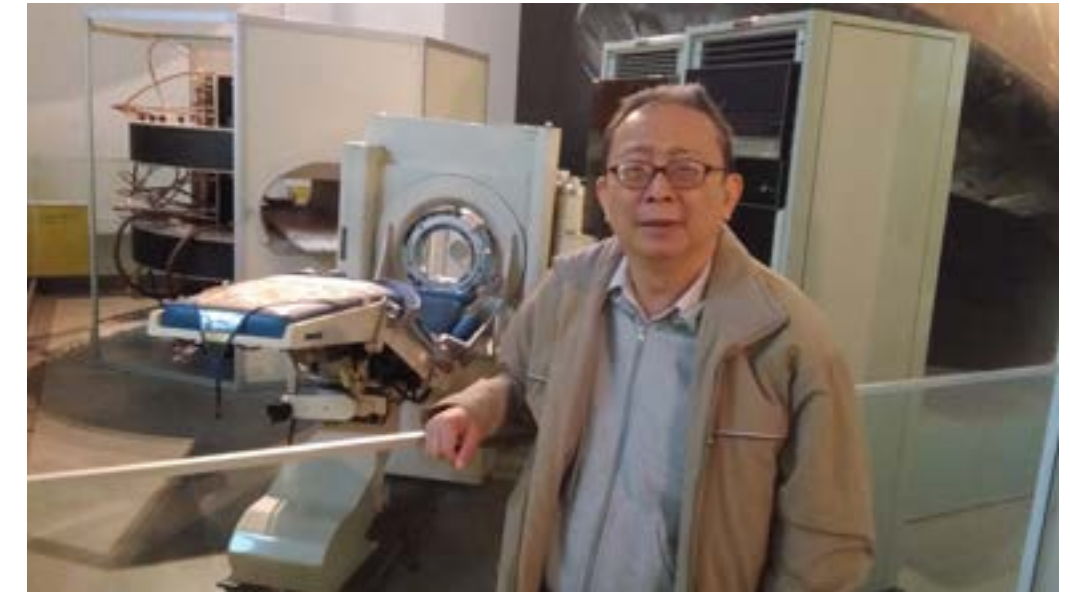
A Malaysian pioneer in medical physics and professor at the University of Malaya's Department of Biomedical Imaging, he was among the few in the country who are researching the role of breast density in predicting breast cancer risk.

"The best moments of my career include nurturing my postgraduates until their graduation, seeing them adding value to society, and being awarded the prestigious Marie Skłodowska-Curie Award in 2018."

His call to develop and standardize breast density measurement led to positive results in early detection of breast cancer. His efforts in researching breast cancer and other biomedical imaging techniques also won Malaysia global acclaim when he became the only recipient of the prestigious Marie Skłodowska-Curie Award in 2018 from a developing country. Named after the famed Nobel Prize laureate and French-Polish scientist Marie Curie, the award is given out by the UK-based International Organization for Medical Physics (IOMP), which represents 25,000 medical physicists worldwide.



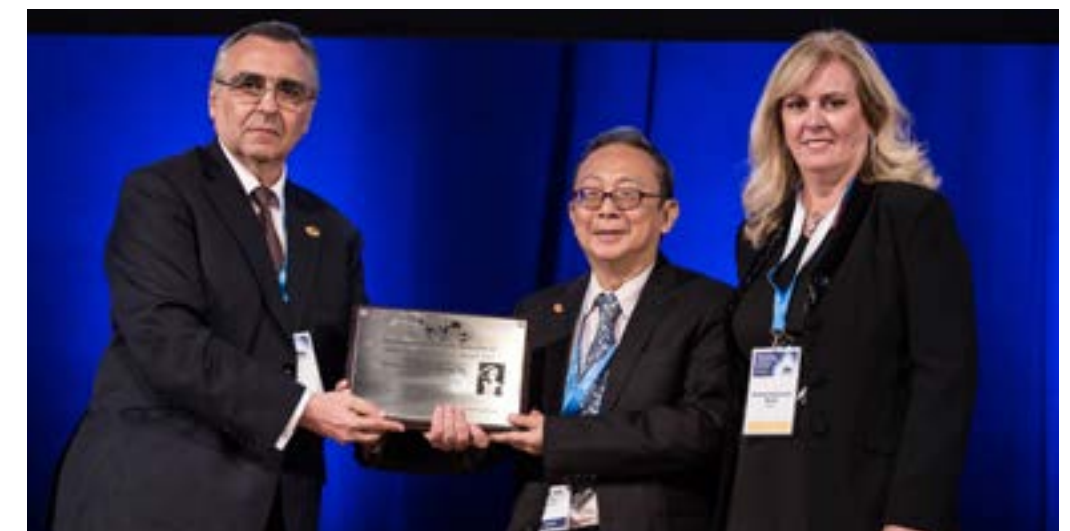
Prof Ng with his mentor, the late Prof John Cameron, Madison, Wisconsin 1996



Prof Ng with the first CT scanner at London Science Museum 2019

In the recent global COVID-19 crisis, he has made significant strides in the scientific community leading a multidisciplinary, multi-national team to develop an online resource for new and emerging COVID-19 research publications, <http://www.covid19bibliometrics.org> to provide reliable information on what can be trusted as sound science, identify research trends and gaps in knowledge to assist researchers to identify topics that need further investigation.

He also led a team of researchers to design and develop an infrared digital thermometer prototype, sauna32, that can collect body temperature data using Internet of Things (IoT) capability. The team is also looking into the possibility of predicting COVID-19 hotspots in real-time in the future, using machine learning analysis of the collected body temperature data.



Prof Ng receiving the Marie Curie Award, Prague 2018

Even before his achievements, he had contributed extensively to the IOMP for over two decades: having served as a member in several of its committees; as chairman of its International Advisory Board; and chairman of its publication committee.

He has also contributed significantly to the development of medical physics in Asia-Pacific and beyond.

He established the ASEAN College of Medical Physics (ACOMP) in 2014, which endeavours to provide continuous education and training to medical professionals. Thus far more than 15 courses have been conducted by the college.

He was also the founding president and president emeritus of the South East Asian Federation of Organizations of Medical Physicists (SEAFOMP), and one of the founders of the Asia-Oceania Federation of Organizations of Medical Physicists (AFOMP).



Prof Ng Breast imaging team UMMC



With my mother, siblings, nieces, nephews, etc



Prof Ng visiting Fukushima with the IAEA in 2013

In 2017 Professor Ng founded the International Leadership and Mentoring Programme that nurtures early-career medical physicists, especially from developing countries into inspiring leaders of their field.

As a multi-disciplinary professional, he served the International Atomic Energy Agency (IAEA) as an expert and consultant, involved with expert missions, conference lectures, drafting and reviewing of codes, guidelines, chapters and reports. His notable contributions included taking part in the publishing of the “Diagnostic Radiology Physics - A Handbook for Teachers and Students”; “Clinical Training of Clinical Medical Physicists Specializing in Diagnostic Radiology”; and “The Fukushima Daiichi Accident”.



Prof Ng with his son Brian and wife in Tucson back in 2019

“Merdeka is a time of reflection for me. Somehow we have lost the true and original spirit of Merdeka. Time to rekindle and live the Merdeka spirit, by caring, sharing and living harmoniously together.”

- Professor Dr. Ng Kwan Hoong

Some of Professor Dr. Ng Kwan Hoong’s Collaborators



Professor Dr. Ng Kwan Hoong’s Students (PhD Graduates)





Prof Ng with his family

Back at the Universiti Malaya, he established the Master of Medical Physics programme in 1998. This programme is the only post-graduate medical physics academic programme outside the UK and Ireland that is accredited by the UK Institute of Physics and Engineering in Medicine.

This master programme has produced over 120 graduates at the master level, some of whom come from countries outside Malaysia. These are Myanmar, Brunei, Indonesia, Iraq, Hong Kong, Singapore, Cambodia and Vietnam.

He is the first and only medical physicist to be honoured as a Fellow of the Academy of Sciences, Malaysia. He is also one of the few non-physicians to be admitted into the Academy of Medicine, Malaysia.

Aside from these, he is a prolific writer who has published in many international journals. He has authored and co-authored over 250 papers in peer-reviewed journals, 90 conference proceedings papers, 35 book chapters and has co-edited 10 books.



Prof Ng with his auntie and granddaughters after their mom graduated



Photos from Prof Ng childhood, with his parents and siblings

What keep your passion in this specific field for so many years?

“The one thing that fuels my passion is the interdisciplinary nature of medical physics and its impact on our health. There are so many opportunities to engage and collaborate with various academics and stakeholders. Their passion to serve others inspires me to do the same.

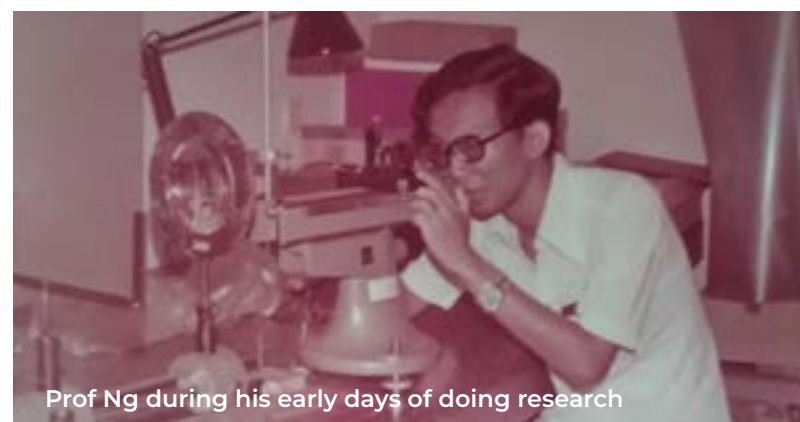
It is a joy and satisfying to see our research findings and techniques contributing to the well-being of the patients. This sustains my passion to keep on doing research and mentoring others.”

An accomplished speaker, he has presented over 550 scientific papers, more than 350 of them being invited lectures.

He is in the editorial board and advisory board of more than 10 journals, including Singapore Medical Journal, Journal of Applied Clinical Medical Physics, Physical & Engineering Sciences in Medicine, Medical Physics, Biomedical Physics and Engineering Express.



Prof Ng speaking at an international conference in Cancun 2001



Prof Ng during his early days of doing research

Personal philosophy

Humility, gratitude and charity.

“Humility is the foundation of all the other virtues...” Saint Augustine.

Professor Ng’s upcoming book, “Medical physics during the COVID-19 pandemic,” which features over 90 authors from over 40 countries, will be published in the first quarter of 2021 by the CRC Press/Taylor and Francis.

Despite being a busy scholar, Professor Ng devotes plenty of attention to his love and appreciation of his family and friends. A man whose personal philosophy believes in humility, gratitude and charity, he wishes to express his gratefulness to his teachers and lecturers for guiding and mentoring him in his path to success. Additionally, he is a parishioner of the St John’s Cathedral who together with his wife, Suan, are active in humanitarian work.

Professor Ng indulges in a couple of past time hobbies. Occasionally, one can catch a glimpse of him at the Malaysian Philharmonic Orchestra being deeply immersed in the symphonies of Beethoven and Tchaikovsky, in the local parks where he loves to stroll and run, and in the library burrowing in intriguing books.



Prof Ng UM Physics graduating class

Message to Young Malaysians

“Set your eyes on your aspirations and be courageous even if the path is turbulent. Adapt to changes but always be a person of integrity.”

**OUTSTANDING CONTRIBUTION
TO THE PEOPLE OF MALAYSIA**

Awarded to a citizen of any nationality and/or foreign organisation to honour substantial contribution to Malaysia or to the lives of Malaysians.

“Aside from being a mother, I am very proud of establishing our charity. So many people in the food industry warned me before we started that professional food banking would not work in Malaysia. As a foreigner, it would have been much easier to listen to this advice – yet something in me decided to go ahead and try this anyway. I knew how many people could benefit if we succeeded. If it did not work, all that would have been lost was my time.”

SUZANNE MOONEY
**OUTSTANDING CONTRIBUTION
TO THE PEOPLE OF MALAYSIA**



SUZANNE MOONEY

An advocate for sustainable food systems, founder of Malaysia's first sustainable food bank that is feeding Malaysians and reducing food waste in the country. She was also influential in passing the first ever food waste law in October 2019 and The Lost Food Project were one of the founding partners of the Malaysian government-led National Food Bank Program.

Food waste has been Suzanne Mooney's passion since waitressing in a Cape Town restaurant in 1995, leading her to start a food distribution initiative with a soup kitchen. So when her family moved to Malaysia, she felt compelled to continue her mission to fight food waste in her new home.

According to the *World Bank's Malaysia Economic Monitor - Making Ends Meet* report released in 2019, nearly 3 in 10 Malaysians feel that they don't have enough money to buy food. However, the Solid Waste Corporation reports that Malaysians generate a whopping 16,688 tonnes of food waste on a daily basis, which is enough to feed 15.9 million people three times a day.



Suzanne with the TLFP Pasar Borong team, loading a 5T truck with fresh vegetables for the PPR B40 communities.



The first ever food collected for TLFP was from Jason's in Feb 2016.



In 2015 shortly after the family moved to Malaysia, Suzanne founded the NGO The Lost Food Project, along with a set of like-minded parents, that rescues quality nutritious food that would otherwise end up in landfill. TLFP redistributes the food and other essential items to the most vulnerable in Malaysia, regardless of religion, gender, or ethnic groups. For the first 18 months that her organisation was founded, she bore the expenses and has now collectively received RM 679,852 from grants and fundraising events in 2019. Now, TLFP is very excited to have recently been able to expand the operations into Johor Bahru and Sabah.

Suzanne and her team vetted charities and had a rotation of 4-5 food pick-ups each week that would collect food from supermarkets and send it to assigned charities. As the number of food sources grew, she expanded her operations to a warehouse unit within the Red Crescent HQ in KL and received their first truck courtesy of donations from 'Delivering Better Lives'.

To date, TLFP has collectively distributed over 4.9 million meals (will be over 5 million by end of the year). TLFP has rescued over 1.5 million kg of food which equates to over 3.75 million kg CO₂ equivalent.



The first ever pick up from BIG supermarkets



“Like many women around the world, the biggest challenge is juggling the needs of my family. Trying to be a good parent and do this alongside the drive I have to increase the impact of TLFP. I also have an elderly mother with serious health conditions who is very dependent on my presence.

However, this lack of time does give me added empathy and understanding to all my colleagues who also have to manage complicated family situations. The key is to be agile and flexible. We must never forget to be kind to ourselves too.”

Suzanne Mooney with her family at Taman Negara



Suzanne back in 1976

Most notably, she and her organisation were appointed as strategic partners of Yayasan Food Bank, Malaysia’s first national government led foodbank under the jurisdiction of the Minister Domestic Trade and Consumer Affairs as part of the Food Bank Malaysia Program 2018. TLFP have also worked with government on the Food Donor Protection Bill, which was approved by the Dewan Rakyat (in October 2019).

Her work with the Lost Food Project and beyond has resulted in several achievements for The Lost Food Project including the UN Sustainable Development Goal #2; Zero Hunger, The Best Social Impact SME Award At the Europa Award For Sustainability in 2019, Award for SME with the Best Social Impact in 2017, and more. She has also contributed to her own column in Malaysia’s leading English newspaper, The Star titled “Love Food, Hate Waste” throughout 2018 and 2019.



Suzanne with her parents (Tommy & Moira) and her sister (Linda)



With YB Tuan Ahmad Fahmi and CEO of Yayasan Food Bank Malaysia, Tuan Haji Ab Wahab at TLFP’s third truck launch



In parliament for the passing of the first ever food waste law being passed in Malaysia (with TLFP colleagues & Minister Saifuddin and his team, Oct 2019)

Suzanne has also mentored many people in her organisation most particularly, their current General Manager, Syazwan Rahimy. She and her educational team actively collaborates with many schools and universities giving presentations, games, tasks and composting projects with the objective of changing behaviours of food waste and sustainability at a young age.



With the Duchess of Cornwall, visiting one of TLFP's founding charity partners, The Lighthouse Childrens' Home



With Chef Wan at the launch of TLFP's partnership with DBKL at Pasar Borong, Selayang
45 MERDEKA AWARD 2020

Prior to starting her organisation, she had also founded a non-profit initiative, The Lost Towel Project that started as a small workshop to help Chin refugees in Malaysia generate an income (in a country where refugees are unable to work legally). This project is ongoing and empowers the Chin refugees from Myanmar to live in dignity.

Suzanne remains active with the day to day operations of her organisation that she does remotely from her home base in London and Geneva due to family commitments but she hopes to return to Malaysia as soon as she is able. When she is not harassing supermarkets for their 'lost' food, her passion is to travel as much as she can, watch her beloved Arsenal, and try to finish her book for book club.



Taking round one of the school classes taking part in our education collaboration (Alice Smith school). This is Campbells factory



Representing TLFP at the MY Save Food conference



Together with the Malaysian delegation to the World Food Summit (alongside John Chin from the Ministry of Health and Dr AINU from Mardi/My Save Food).

Message to Young Malaysians

"Most people believe that someone else will bring about change. The idea that YOU can significantly change the world might not sit comfortably, perhaps you are too humble? However societal change by definition needs all of us to take action.

Teachers have the ability to educate hundreds of people in their lifetime. If you decide to become an 'agent of change' you too can make a lasting impact. The world is in a fragile state, and many of us need to work together to mitigate damage to the environment and enhance sustainability.

If you are working in an office, perhaps you can help steer your company towards a greener space. Alternatively volunteer at a worthwhile NGO, or even start your own charity or social impact business.

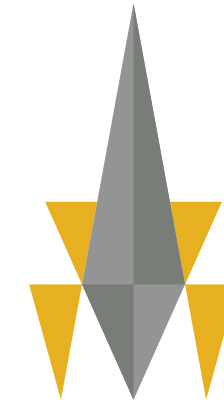
We need a global effort, and young leaders are required for nation building and the future of our planet. My former boss, Rod Liddle at the BBC, had a fantastic mantra that was very inspiring; 'reach for the stars and you might hit the moon'. So be brave, and go and search for your star."

Personal philosophy

"My conscience is my religion. As humans we all have different religious and spiritual beliefs, but I hope we are all unified in our belief of humanity. If you treat others the way you would want to be treated, this is a good start to creating a fairer society."



Launch of TLFP at Jasons



MERDEKA
AWARD

2008

Merdeka Award Past Recipients



EDUCATION AND COMMUNITY
**Royal Professor Ungku Abdul Aziz
bin Ungku Abdul Hamid**

For his outstanding contribution to the eradication of poverty, rural economics, the development of Tabung Haji and in the field of education.



ENVIRONMENT
Malaysian Nature Society

For its outstanding contribution to the Belum-Temenggor Forest Complex Conservation Initiative.



HEALTH, SCIENCE AND TECHNOLOGY
**Nipah Virus Encephalitis
Investigation Faculty of Medicine,
University of Malaya**

For its outstanding contribution to the discovery and understanding of the causes, effects and control of the Nipah encephalitis viral infection.



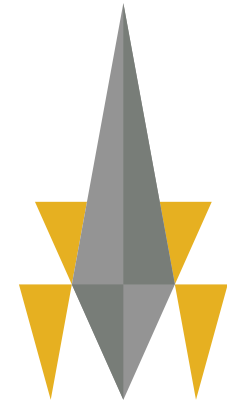
HEALTH, SCIENCE AND TECHNOLOGY
**Professor Dato' Dr Khalid Bin
Tan Sri Abdul Kadir**

For his outstanding contribution to the study and understanding of diabetes and the relationship between hormones and stresses in various tissues.



**OUTSTANDING CONTRIBUTION TO
THE PEOPLE OF MALAYSIA**
The Late Datuk Leslie Davidson

For his outstanding contribution in the introduction of the pollinating insects *Elaeidobius kamerunicus* from Africa to the oil palm plantations in Malaysia, leading to the rapid development of the palm oil industry.



MERDEKA
AWARD

2009



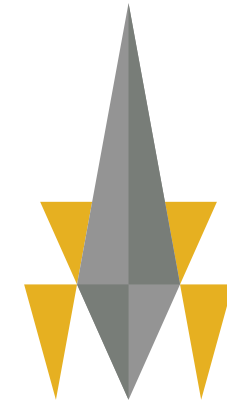
EDUCATION AND COMMUNITY
Allahyarhamah Tun Fatimah Hashim
(Joint Recipient)

For her outstanding contribution to the empowerment of women in Malaysia and for protecting and securing rights and economic opportunities for women through advocacy.



EDUCATION AND COMMUNITY
The late Tan Sri Dato' Lim Phaik Gan
(Joint Recipient)

For her outstanding contribution to the empowerment of women in Malaysia and for protecting and securing rights and economic opportunities for women through advocacy.



MERDEKA
AWARD

2010



EDUCATION AND COMMUNITY
Datin Paduka Mother A Mangalam

For her outstanding contribution in promoting the welfare of the underprivileged and for fostering national unity.



OUTSTANDING SCHOLASTIC ACHIEVEMENT
Professor Emeritus Dr Yong Hoi Sen

For his outstanding contribution to the development of basic and applied knowledge of Genetics, Molecular Biology, Biological Systematics, Evolutionary Biology and Biological Diversity of Malaysian flora and fauna.



HEALTH, SCIENCE AND TECHNOLOGY
Academician Professor Datuk Dr Halimaton Hamdan

For her outstanding contribution in the development and application of Maerogel as a commercially viable multi-purpose material.



OUTSTANDING SCHOLASTIC ACHIEVEMENT
Professor Dato' Seri Ir Dr Zaini Ujang

For his outstanding study and scholarly contributions in the various environmental initiatives concerning water supply, sewage, river rehabilitation and industrial ecology.



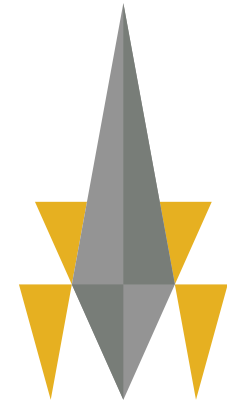
OUTSTANDING SCHOLASTIC ACHIEVEMENT
Distinguished Professor Datuk Dr Harith Ahmad

For his outstanding contribution in research and promoting the development of photonics in Malaysia.



OUTSTANDING CONTRIBUTION TO THE PEOPLE OF MALAYSIA
The Late Tan Sri Just Faaland

For his outstanding contribution to the advocacy of equitable growth through eradication of poverty and reduction of socio-economic polarisation.



MERDEKA
AWARD

2011



ENVIRONMENT

Dato' Dr Kenneth Yeang

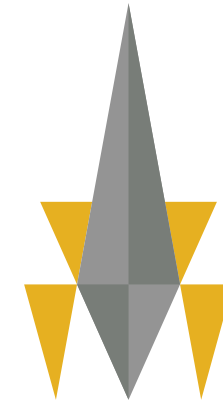
For his outstanding contribution to the development of design methods for the ecological design and planning of the built environment.



**OUTSTANDING SCHOLASTIC
ACHIEVEMENT**

Professor Dato' Dr Goh Khean Lee
(Joint Recipient)

For his outstanding contribution in elevating the study and practice of gastroenterology and hepatology in Malaysia to global standards.



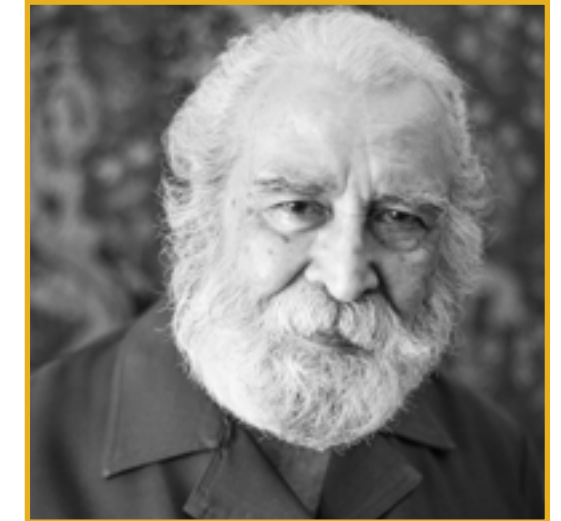
MERDEKA
AWARD

2012



HEALTH, SCIENCE AND TECHNOLOGY
Academician Tan Sri Emeritus
Professor Datuk Dr Augustine Ong
Soon Hock

For his outstanding contribution to the research and development of the chemistry and technology of palm oil and for his significant role in advocating and promoting the Malaysian palm oil industry to the world.



**OUTSTANDING SCHOLASTIC
ACHIEVEMENT**

Tan Sri Professor Dr Syed Muhammad
Naquib al-Attas

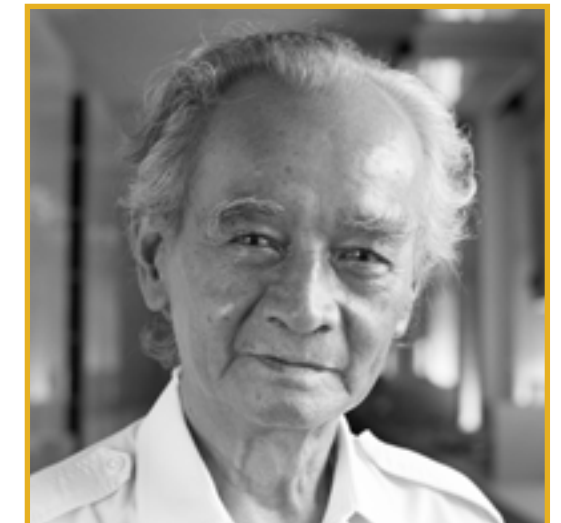
For his outstanding contribution to the scholarly research in the area of Islamisation of contemporary knowledge and of Muslim education.



**OUTSTANDING SCHOLASTIC
ACHIEVEMENT**

Professor Dr Mak Joon Wah
(Joint Recipient)

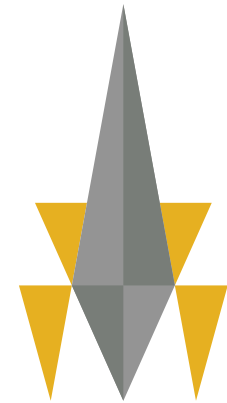
For his outstanding fundamental and applied research in parasitology and parasitic diseases, public health and pathology.



**OUTSTANDING CONTRIBUTION TO
THE PEOPLE OF MALAYSIA**

Dr Engkik Soepadmo

For his outstanding contribution to the research and conservation of Malaysia's forest plant diversity.



MERDEKA
AWARD

2013



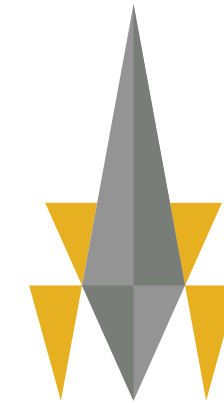
EDUCATION AND COMMUNITY
Tan Sri Dato' Seri Utama Arshad Ayub
(Joint Recipient)

For his outstanding contribution in shaping Malaysia's education landscape through the development of professional education, education reforms and innovation that have resulted in education becoming more accessible to Malaysians.



EDUCATION AND COMMUNITY
Raja Tan Sri Dato' Seri Utama
Muhammad Alias Raja Muhammad Ali
(Joint Recipient)

For his outstanding contribution to rural development and rural reform through organising successful land settlement projects (FELDA) for the many landless, rural population in Malaysia.



MERDEKA
AWARD

2014



EDUCATION AND COMMUNITY
Datuk Mohd Nor Khalid (Lat)

For his outstanding contribution to the promotion and pluralism of Malaysia's cultural identity through the use of cartoons and for the promotion of understanding and respect among Malaysia's diverse ethnic communities.



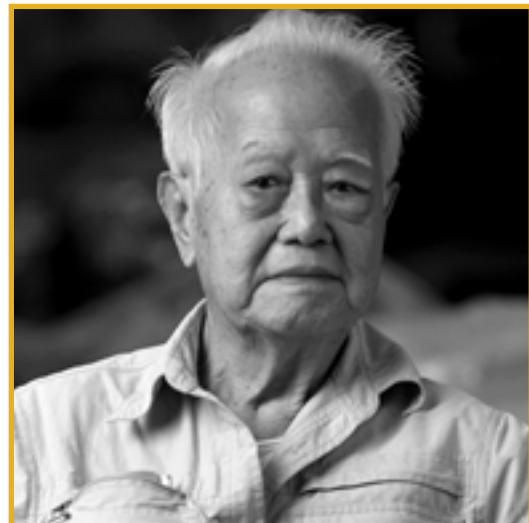
ENVIRONMENT
Mohd Khan Momin Khan

For his outstanding contribution to wildlife research and conservation through the setting up of captive breeding centres as well as for pioneering and successfully managing the human-wildlife conflict in affected areas.



HEALTH, SCIENCE AND TECHNOLOGY
Datuk Dr Choo Yuen May

For her outstanding contribution to the development of novel, efficient and green processes for the palm-based industry through research and commercialisation of various technologies.



ENVIRONMENT
The Late Dr Lim Boo Liat

For his outstanding contribution to the conservation of Malaysia's biological diversity through the study, understanding and control of vector-borne diseases and the relationship between diseases and the environment; and for advocating the protection of our natural heritage.



HEALTH, SCIENCE AND TECHNOLOGY
Tan Sri Dato' Dr Yahya Awang

For his outstanding contribution to pioneering the development of clinical research and cardiac surgery in Malaysia and for his instrumental role in the establishment of the National Heart Institute (IJN).



OUTSTANDING SCHOLASTIC ACHIEVEMENT
Emeritus Professor Dato' Dr Lam Sai Kit

For his outstanding contribution to scholarly research and development in medical virology and emerging infectious diseases including dengue.



OUTSTANDING SCHOLASTIC ACHIEVEMENT
Professor Dr Abdul Latif Ahmad

For his outstanding contribution to the scholarly research and development of technologies in the areas of polymer science, wastewater treatment and membrane separation technology.



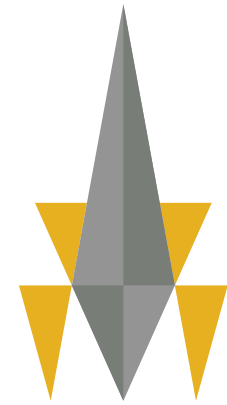
OUTSTANDING SCHOLASTIC ACHIEVEMENT
Professor Datuk Dr Ahmad Fauzi Ismail

For his outstanding contribution to the scholarly research and development of technologies for commercialisation in membrane performance for both gas separation, and water and wastewater treatment.



OUTSTANDING CONTRIBUTION TO THE PEOPLE OF MALAYSIA
Dato Sri Gathorne, Earl of Cranbrook

For his outstanding contribution in pioneering research and conservation of Malaysia's forest biodiversity and the ecology and biology of Malaysian mammals and birds, and for advocating environmental conservation.



MERDEKA
AWARD

2015



**EDUCATION AND
COMMUNITY**
**Tan Sri Dr Jemilah
Mahmood**

For her outstanding contribution to the development of humanitarian and international emergency relief.



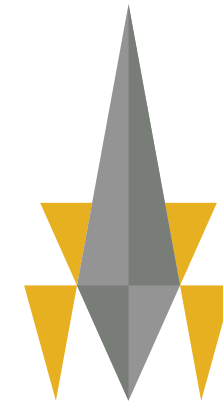
ENVIRONMENT
**Emeritus Professor Dato'
Dr Abdul Latiff Mohamad
(Joint Recipient)**

For his outstanding contribution to the research and understanding of plant taxonomy and conservation biology in Malaysia.



ENVIRONMENT
**Professor Emeritus Tan Sri
Dr Zakri Abdul Hamid
(Joint Recipient)**

For his outstanding contribution to the observation, analysis and assessment of biodiversity and ecosystem services, fostering the remediation and protection of the natural environment and promoting environmental sustainability in Malaysia and globally.



MERDEKA
AWARD

2016



EDUCATION AND COMMUNITY
Tan Sri Lakshmanan Krishnan

For outstanding contribution to laying the foundation for the modern film industry in the country and for his instrumental role in developing early acting talents including Malaysian film icon the late P Ramlee.



ENVIRONMENT
**Academician Tan Sri Dato' Seri Dr
Salleh Mohd Nor**

For outstanding contribution to wildlife and forest conservation in Malaysia and the region through fieldwork, education, advocacy, policy and international cooperation.



**HEALTH, SCIENCE AND
TECHNOLOGY**
**Professor Datin Paduka Dr
Khatijah Mohamad Yusoff**

For her outstanding contribution in the field of microbiology and virology through a better understanding and diagnosis of the contagious and fatal viruses in poultry and the study of the potential of the virus in combating cancer cells.



**OUTSTANDING
SCHOLASTIC
ACHIEVEMENT**
**Professor Dr Ir Mohd Ali
Hashim**

For his outstanding scholastic contribution in the research of separation processes and water and wastewater treatment and for his instrumental role in the setting-up of the Centre for Ionic Liquids.



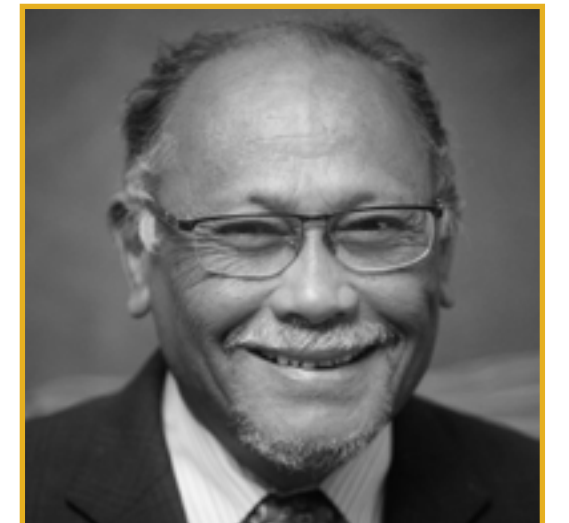
**OUTSTANDING
CONTRIBUTION TO THE
PEOPLE OF MALAYSIA**
**Dr Elizabeth Lesley
Bennett**

For her outstanding contribution to the conservation and management of wetland habitats and that of endangered wildlife in Malaysia through research, advocacy and policies.



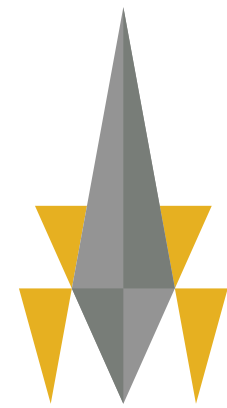
HEALTH, SCIENCE AND TECHNOLOGY
**Distinguished Professor Datuk Dr
Looi Lai Meng**

For outstanding contribution in pioneering research in amyloidosis, renal pathology and cancer pathology and for her significant contributions and role in promoting the field of pathology in Malaysia and the region.



**OUTSTANDING SCHOLASTIC
ACHIEVEMENT**
**Professor Dato' Ir Dr Wan Ramli Wan
Daud**

For outstanding scholarly research and development in advancing the technology of fuel cells and hydrogen energy in Malaysia and the region.



MERDEKA AWARD

2017



EDUCATION AND COMMUNITY

Dato' Dr Abdul Halim Ismail

For outstanding contribution and his pivotal role in establishing the first Islamic Bank in Malaysia, which led to the development and growth of the Nation and region's Islamic banking, insurance and finance sectors.



ENVIRONMENT

Dato' Seri Tengku Dr Zainal Adlin Bin Tengku Mahamood

For outstanding contribution to wildlife and forest conservation in Malaysia and the region through fieldwork, education, advocacy, policy and international cooperation.



HEALTH, SCIENCE AND TECHNOLOGY

Dr Timothy William (Joint Recipient)

For outstanding contribution to the effective treatment of a new cause of human malaria, Plasmodium knowlesi. The discovery has changed the way this infection is managed in the country and globally.



HEALTH, SCIENCE AND TECHNOLOGY

Professor Dr Balbir Singh Mohan Singh (Joint Recipient)

For outstanding contribution to the discovery and pioneering work on a new cause of human malaria, Plasmodium knowlesi. The discovery of this potentially fatal zoonotic disease has changed the understanding of malaria and the way infections are treated in the country and globally.



OUTSTANDING SCHOLASTIC ACHIEVEMENT

Professor Dr Masjuki Haji Hassan

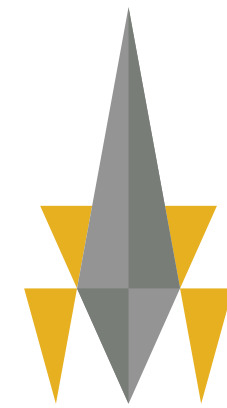
For outstanding scholarly research in engineering and energy science and for his instrumental role in the research and development of biofuel and other sources of efficient energy and automotive engines.



OUTSTANDING CONTRIBUTION TO THE PEOPLE OF MALAYSIA

Professor Dr Anthony Crothers Milner

For outstanding contribution to research and education in Malaysian history that has shaped and promoted the understanding of the Nation's identity, heritage and culture, and for his role in fostering international collaborations.



MERDEKA AWARD

2018



EDUCATION AND COMMUNITY

Hassan Abdul Muthalib

For outstanding contribution as the pioneer and earliest influence in the local animation world through his folktale-inspired works and his leadership role in developing educational framework on artistic importance of animation in the country.



ENVIRONMENT

Engr Gurmit Singh K S

For his outstanding contribution through his activism, advocacy works and leadership role in the promotion of sustainable environment and combatting climate change in Malaysia.



HEALTH, SCIENCE AND TECHNOLOGY

Professor Dato' Dr Mohd Hair Bejo (Joint Recipient)

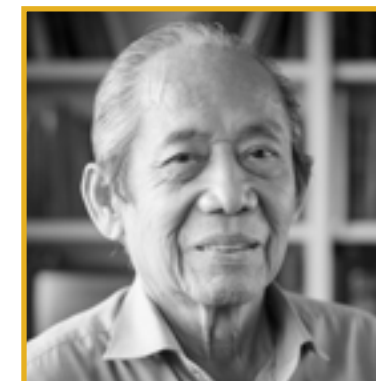
For outstanding contribution and instrumental role in advancing efforts towards sustainable food production through the development and commercialisation of chicken disease vaccines in treating Gumboro disease that benefits poultry industry in Malaysia and internationally.



HEALTH, SCIENCE AND TECHNOLOGY

Dato' Professor Dr Gan Ee Kiang (Joint Recipient)

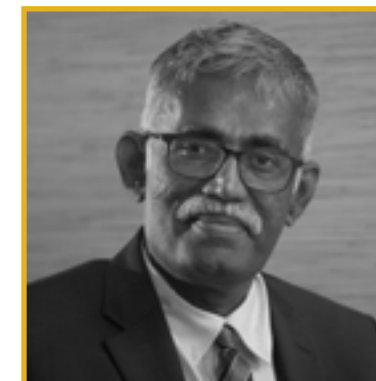
For outstanding contribution in his pioneering work in developing a successful exemplary commercial model for R&D for Malaysia's universities, and through his extensive work and leadership role in the fields of clinical pharmacology, pharmaceutical sciences and drug-related research in the country.



OUTSTANDING SCHOLASTIC ACHIEVEMENT

The Late Emeritus Professor Tan Sri Datuk Dr Khoo Kay Kim (Joint Recipient)

For outstanding contribution to the scholarly research, development of reinterpretation of Malaysian history and lifetime dedication in the history education in the country that has shaped the post-independence study of history in modern Malaysia.



OUTSTANDING SCHOLASTIC ACHIEVEMENT

Distinguished Professor Dr Rajah Rasiah (Joint Recipient)

For outstanding contribution in his scholarly research and development of theoretical macroeconomic framework in the promotion of sustainable development, by pioneering the conceptualisation, measurement and application of innovation theory and the framing of innovation policy for developing countries.



OUTSTANDING CONTRIBUTION TO THE PEOPLE OF MALAYSIA

Andrew James Eavis

For outstanding contribution in his pioneering works in the areas of geomorphology and cave survey through the Mulu Cave Projects with Royal Geographical Society Expedition, and the discovery of the Sarawak Chamber, leading to extended research on rainforest habitats and ecosystem, and establishing international collaborations for scientific and nature expeditions.

Merdeka Award Grant for International Attachment



The Merdeka Award Grant for International Attachment recipients for 2019 alongside MAT Board of Trustees and representatives

The Merdeka Award Grant for International Attachment was launched in 2011.

The Grant is designed for qualified and deserving young Malaysians, between the ages 22-35, to engage in short-term collaborative projects or programmes at an internationally-recognised host institution in select disciplines (education, arts, sports, community/social work, environment, health, science and technology).

Grantees will have the unique opportunity to collaborate with other academics and researchers in their field of interest in order to build on their body of work and achievements.

The value of The Merdeka Award Grant goes far beyond numbers in its goal of investing in Malaysians for the benefit of Malaysia. The Grant extends the goal of

the Merdeka Award by infusing thought leadership and innovation, fostering a culture of excellence and encouraging a global outlook among young Malaysians for the future.



Merdeka Award Grant Past Recipients

Merdeka Award Grant Past Recipients

2013



**Associate Professor
Dr Abhimanyu A/L
Veerakumarasivam**
Identification of molecular
markers for the diagnosis,
prognosis and therapy of
bladder cancer through
greater molecular
understanding of the
disease



**Dr Natrah Fatin Mohd
Ikhsan**
Understanding molecular
microbial ecology towards
sustainable agriculture
production

2014



Dr Kamalan Jeevaratnam
Mechanistic insight for
cardiac cellular therapy
using stem cells



Dr Lim Hong Ngee
Nanotechnology-based
blood testing to identify
breast cancer

2015



Ms Chua Ling Ling
Association between
gut microbiome
dysbiosis (changes in gut
microbiome) with systemic
immune activation,
inflammation and early
onset of age-related
diseases in HIV infected
individuals



Dr Mohd Sukor Su'ait
Advanced Energy
Conversion And Storage
Material From Malaysian
Palm Oil Industries

2016



**Dr Khamarrul Azahari
Razak**
The Power of Knowledge:
How Prepared Are We For
Disaster – The Malaysia
Context



Ms Koh Lily
How Small and Medium
Enterprises' (SMEs) can
strategically position
themselves in the value
chain in the midst of
Industry 4.0

Merdeka Award Grant Past Recipients

2017



Shahar A/L Koyok
Indigenous Arts and National Narratives: A Comparative Study of Indigenous People's Art and Representation within National Institution



Dr Sophia Rasheeqa Ismail
Lipidomics Profiling and Risk of Early-Onset Myocardial Infarction



Dr Zetty Norhana Balia Yusof
The Potential of Malaysian Seaweeds as the Source of Antifungal Compounds for Application in the Oil Palm Industry

2018



Dr Ong Wee Jun
Solar Energy Conversion and Energy Storage to Address the Seriousness of Energy Security and Environmental Issues by Mimicking the Ingenuity of Nature



Aishah Bte Ismail
Stroke Prediction Biomarker through ocular blood flow using Laser Speckle Flowgraphy



Dr Lee Tian Khoo
Converting Rubber Material for Advanced Energy Storage and Conversion

2019



Chrishen R. Gomez
Conservation Genetics Research Fellowship for Development of Long-term Genetics Study of Sunda Clouded Leopard (*Neofelis Diardi*) and Sympatric Carnivores



Feng Ying Xing
Prognosticating Work Productivity, Stress Level and Workload Capacity through fNIRS Brain Haemodynamic Signal Measurement



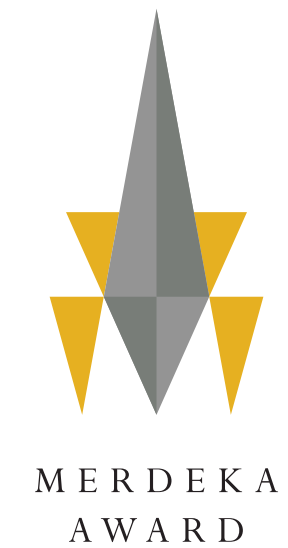
Dr Mohd Azri Ab Rani
Batteries for Future; The Birth of Na⁺ Batteries



Juliana Ooi Sue May
Safeguarding our Future Generation through Empowering Young Parents in Reproductive and Social Health Education



Dr. Yanny Marlina Baba Ismail
Smart Material that Speed Up Bone Healing



Designed by Dato' Johan Ariff, the trophy is a three dimensional version of the Merdeka Award logo. It expresses convergence and ascension, the same qualities celebrated in the achievements of the Merdeka Award winners. The trophy also represents environmental concerns in the form of a plant shoot Rebung, transparency, ethics, and the glorious six decades of Malaysian independence.



Dato' Johan Ariff

After serving in the Ministry of Information, Dato' Johan Ariff set up his Design Practice in 1974, when PETRONAS logo was also conceived. Though multidisciplinary, his Practice is largely involved in Corporate Identity commissions. Some of his works are in the permanent collection of the World Trademark Centre, Belgium. He has executed and supervised the largest logo portfolio in the country.

Merdeka Award Trust Founders



ExxonMobil

