



ACADEMY OF SCIENCES MALAYSIA

Think Science . Celebrate Technology . Inspire Innovation

1 November 2018
Embargo until 7.00pm

Honouring Malaysia's best minds in Science, Technology and Innovation

Kuala Lumpur, 1 Nov : 29 new Fellows of Academy of Sciences Malaysia (ASM) were conferred by Prime Minister, Tun Dr. Mahathir Mohamad in a ceremony here.

Also announced at the ceremony is the appointment of YM Academician Datuk Dr Tengku Mohd Azzman Shariffadeen FASc as Senior Fellow of ASM, in recognition of his vast contributions towards the development of ICT field nationally and internationally, and his role as a strategist in the development of national policies.

Fellows are entitled 'Fellow of the Academy of Sciences Malaysia', with the abbreviation 'FASc' after their name, whereas Senior Fellow is the highest recognition in the nation's scientific community bearing the title 'Academician'.

The Fellowship of ASM is made up of the nation's eminent scientists, engineers, and technologists whom were elected across eight disciplines of sciences every year at ASM Annual General Meeting.

ASM's voice in addressing matters of national importance is now unified and more holistic with the inclusion of Social Sciences and Humanities discipline beginning this year.

To date, ASM has 352 Fellows which includes 28 Senior Fellows.

Speaking at the ceremony, Tun Mahathir said the role of STI is critical to fuel economic advancement, societal progress and new sources for growth, and that Malaysia needs to ensure the rapid growth of enterprises that leverage on science and technology in order to enhance our economic sectors.

He also said new economic areas should be identified and developed to ensure Malaysia's prosperity and sustainability, especially with Industry 4.0 changing the way people live, work, and interact through the internet and various devices.

Following his recent launching of the National Policy on Industry 4.0, Tun Mahathir said the third national car project would be a good start to implement some of the strategies recommended in the policy.



“Out of 21 Malaysian industries, the automotive industry is classified as a pace-setter due to the level of knowledge and innovation capacity built up over the years since Malaysia first embarked on car manufacturing”, he said, referring to MYKE-III report in 2017 by EPU.

“ASM had been supportive of this initiative, and I hope they will facilitate the collaborative network approach and engage with relevant partners to provide input towards making this (third national car) project a reality”.

The ceremony also witnessed the announcement of 24 recipients of the Top Research Scientists Malaysia (TRSM) 2018.

TRSM is an initiative by ASM to identify and recognise leading Malaysian research scientists who are actively translating their research into meaningful and impactful outcomes that significantly contribute to the nation’s socio-economic transformation.

Since its inception in 2010, TRSM is open to researchers nationwide and the number of recipients has now grown to a total of 157.

YB Isnaraissah Munirah Majilis, the Deputy Minister of Energy, Science, Technology, Environment and Climate Change presented the recognition to all 24 recipients this year.

During her speech at the ceremony, she emphasized that Malaysia has no shortage of world class researchers, but they must now focus on cross-discipline and demand-driven collaborations.

The Ministry of Energy, Science, Technology, Environment and Climate Change (MESTECC) proposed that from 2019 onwards researchers employed by the government are allowed to work in related industries bridge the innovation chasm and build competitiveness among home-grown industries.

“This approach can further build the capacity of researchers and transfer knowledge from their research, and industry players can be more adoptive to advanced technologies and produce more demand-driven products and services confidently”, she said.

President of ASM, Professor Datuk Dr Asma Ismail FASc spoke of three challenges for STI to progress in Malaysia; weak STI governance, fragmented and disconnected STI landscape, and ineffective resource allocation for R&D.



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To address these challenges, ASM recommends a parliament select committee on STI to be formed to create more engagements between law makers and stakeholders in discussing STI related issues.

ASM also proposed to form a National STI Action Council to develop and promote national STI strategies, and to establish Malaysian Research, Innovation Enterprise Agency (MyRIE) to enable economic-oriented research across industry sectors to be impactful.

“I hope that the mentioned proposal would get consideration from the Government. Strengthening STI is undeniably pivotal for a progressive Malaysia”, she said.

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ATTACHMENT

ASM Senior Fellow 2018	
Name	Discipline
YM Academician Datuk Dr Tengku Mohd Azzman Shariffadeen FASc	Foundation Fellow IT & Computer Sciences Discipline
ASM Fellows 2018	
Name	Organisation
Biological, Agricultural and Environmental Sciences Discipline	
Professor Dato' Dr Ismail Sahid FASc	Universiti Kebangsaan Malaysia
Professor Dr Mazlan Abd Ghaffar FASc	Universiti Malaysia Terengganu
Professor Dato' Dr Mohd Yazid Abd Manap FASc	Universiti Putra Malaysia
Professor Dr Paridah Md Tahir FASc	Universiti Putra Malaysia
Associate Professor Dr Siti Aisah Alias FASc	University of Malaya
Chemical Sciences Discipline	
Professor Dr Chuah Cheng Hock FASc	University of Malaya
Professor Dr Gan Seng Neon FASc	University of Malaya
Professor Dr Khalijah Awang FASc	University of Malaya
Professor Dr Mansor Ahmad @ Ayob FASc	Universiti Putra Malaysia
Engineering Sciences Discipline	
Professor Ir Dr Abdul Aziz Abdul Raman FASc	University of Malaya
Datuk Ir Abdul Kadir Mohd Din FASc	SAJ Ranhill Sdn Bhd
Professor Sr Dr Mazlan Hashim FASc	Universiti Teknologi Malaysia
Professor Dr Mohd Adzir Mahdi FASc	Universiti Putra Malaysia
IT & Computer Sciences Discipline	
Professor Ir Dr Goi Bok Min FASc	University Tunku Abdul Rahman
Professor Dr Mohamed Ridza Wahiddin FASc	International Islamic University Malaysia
Professor Dr Tharek Abd Rahman FASc	Universiti Teknologi Malaysia
Mathematics, Physics and Earth Sciences Discipline	
Professor Datuk Ts Dr Shahrin Sahib FASc	Universiti Teknikal Malaysia Melaka
Professor Dato' Dr Abd Aziz Tajuddin FASc	Universiti Sains Malaysia
Professor Dr Maslina Darus FASc	Universiti Kebangsaan Malaysia
Professor Dr Sahrin Ahmad FASc	Universiti Kebangsaan Malaysia
Medical and Health Sciences Discipline	
Professor Dr Ngeow Yun Fong FASc	University Tunku Abdul Rahman
Professor Dr Onn Hashim FASc	University of Malaya
Professor Dato' Dr Ravindran Jegasothy FASc	MAHSA University
Professor Dato' Dr Syed Mohamed Aljunid Syed Junid FASc	Universiti Kebangsaan Malaysia
Science & Technology Development and Industry Discipline	
Tan Sri Dato' (Dr) Ir Gan Thian Leong FASc	Brunsfeld International Group
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Professor Ir Dr Lee Sze Wei FASc	Tunku Abdul Rahman University College
Dr Raslan Ahmad FASc	Malaysian Industry-Government Group for High Technology
Social Science & Humanities	
Professor Dr Mahendhiran Sanggaran Nair FASc	Monash University Malaysia
Distinguished Professor Datuk Dr Shamsul Amri Baharuddin FASc	Universiti Kebangsaan Malaysia

Top Research Scientists Malaysia 2018

Name	Organisation	Area of Expertise
Professor Dr Abdul Rashid Mohamed Shariff	Universiti Putra Malaysia	Agricultural Information System and Technology
Associate Professor Ir Dr Aduwati Sali	Universiti Putra Malaysia	Mobile and Satellite Communications
Professor Dr Ahmad Zaharin Aris	Universiti Putra Malaysia	Environmental Chemistry and Analysis
Professor Dr Chai Siang Piao	Monash University	Catalyst and Reaction Engineering
Associate Professor Dr Chan Yoke Fun	Universiti of Malaya	Medical Virology
Professor Dr Chong Kok Keong Dr Hafizal Mohamad	Universiti Tunku Abdul Rahman MIMOS	Solar Energy Technology Wireless Communication and Technologies
Professor Dr Ida Idayu Muhamad	Universiti Teknologi Malaysia	Food and Biomaterial Process Engineering
Professor Dr Lean Hooi Hooi Professor Dr Lee Yeong Yeh	Universiti Sains Malaysia Universiti Sains Malaysia	Time Series Econometrics Neurogastroenterology and Motility
Professor Dr Leong Chee Onn	International Medical University Malaysia	Molecular Pathogenesis of Cancer and Drug Target Discovery
Professor Ir Dr Lim Yun Seng	Universiti Tunku Abdul Rahman	Smart Grid and Renewable Energy
Professor Dr Mohamad Kamal A Rahim	Universiti Teknologi Malaysia	Antenna Technology
Professor Dr Mohd Razman Salim	Universiti Teknologi Malaysia	Waste Management and Wastewater Treatment Technologies
Professor Dr Mohd Talib Latif	Universiti Kebangsaan Malaysia	Environmental Issues and Assessment
Professor Ir Dr Ng Kok Sum	University of Nottingham, Malaysia	Chemical Engineering Design and Process Simulation
Professor Dr Noordin Mohd Yusof	Universiti Teknologi Malaysia	Machining and Production Engineering
Dr Nordin Ramli	MIMOS	Wireless Communication and Technologies
Professor Dr Rozita Rosli Professor Datin Dr Rubiyah Yusof	Universiti Putra Malaysia Universiti Teknologi Malaysia	Medical Genetics Artificial Intelligence, Control Systems and Machine Vision
Professor Ir Dr Sharifah Rafidah Wan Alwi	Universiti Teknologi Malaysia	Chemical and Process Design Engineering

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Professor Dr Sharul Kamal Abdul Rahim	Universiti Teknologi Malaysia	Antenna Technology
Professor Ir Dr Siti Kartom Kamarudin	Universiti Kebangsaan Malaysia	Fuel Cell
Professor Dr Suraini Abd Aziz	Universiti Putra Malaysia	Industrial and Environmental Biotechnology

For profile of the new ASM Fellows and TRSM 2018 recipients:

http://www.akademisains.gov.my/expert_network

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About Academy of Sciences Malaysia

The Academy of Sciences Malaysia (ASM) is a body established by the government by an Act of Parliament. ASM's main function is to be the nation's Thought Leader for matters related to science, engineering, technology and innovation. ASM also pursues excellence in these fields for the benefit of mankind.

ASM provides the advisory input and expert opinion by harnessing the expertise, knowledge, wisdom and network of its Fellows who are elected among the nation's eminent scientists, engineers, and technologists. Currently, ASM Fellowship stands at 352 Fellows which includes 28 Senior Fellows.

About Top Research Scientists Malaysia

The Academy of Sciences Malaysia (ASM) embarked on the Top Research Scientists Malaysia (TRSM) initiative in 2010 to identify and recognise leading Malaysian research scientists who are actively pushing the boundaries of research and development to generate new knowledge, make discoveries, create value-added opportunities and translate their research into meaningful and impactful outcomes that significantly contribute to the socio-economic transformation of the nation.

TRSM database serves as a centralised point of reference for researchers who are still active in R&D and to create a hub for knowledge generation and dissemination that can spur the Science, Technology and Innovation (STI) growth in Malaysia. The TRSM can be role models of excellence, mentors to the next generation, leaders to forge the STI agenda of the nation and pool of potential research scientists for international recognition.



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