

VIRTUAL

NATIONAL CONFERENCE

2022



ON CONTRIBUTIONS TO NATIONAL DEVELOPMENT BY MALAYSIAN WOMEN SCIENTISTS AND INVENTORS



**5 March 2022
(9.00am - 1.40pm)**

The objectives of this Conference are to:

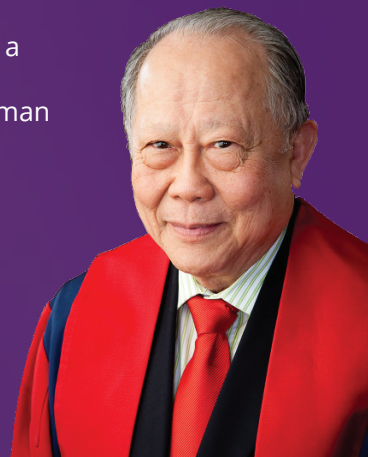
- (i) inspire female youth to pursue and excel in science, technology and social sciences.
- (ii) update the public on the contributions by eminent Malaysian Women Scientists.
- (iii) recognize the outstanding lifetime contributions of a Malaysian Woman Scientist with a Lifetime Scientific Research Achievement Award.
- (iv) encourage the development and contributions of an outstanding Young Malaysia Woman Scientist below 40 years with a Young Woman Scientist Award.

Who Should Attend?

Academics, Scientists, Technologists, Engineers, Professionals, Students
(Upper secondary, Pre University, Undergraduates, Postgraduates)

Speakers:

Outstanding women scientists in the field of Medical Microbiology, Biotechnology, Agriculture, Marine Biology, Communication in Science, Technology, Mathematical Sciences and Pharmaceutical Sciences.



WELCOME ADDRESS

Academician Emeritus Prof
Tan Sri Datuk Dr Augustine S. H. Ong
President, MINDS

**Registration Deadline
1 March 2022**

REGISTRATION FEES

STUDENT	ADULT
RM 20	RM 50

HOW TO PAY?

1. Bank in to PERSATUAN REKACIPTA DAN REKABENTUK MALAYSIA (MBB No. 5140 5763 6861)
2. Send bank-in Slip to Secretariat (proof of payment)



012-9032312 (Whatsapp)
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IET

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WELCOME MESSAGE



In conjunction with the Celebration of the International Women's Day, 8 March 2022, Malaysian Invention and Design Society (MINDS) is pleased to present the 3rd edition of the National Conference on Contributions to National Development by Malaysian Women Scientists and Inventors. The contributions by the women scientists and inventors have been enormous yet sometimes not well known.

This conference provides the platform for our women scientists and inventors to present their contributions and inspire our youths to pursue and to excel in science, technology and social sciences. At this conference, we will also be recognising the lifetime contributions of an Outstanding Woman Scientist with the Lifetime Scientific Research Achievement Award. For the woman scientist below the age of 40, a Young Woman Scientist Award will be presented to recognise her outstanding contribution to science and technology.

In this context, I wish to congratulate Prof. Dr. Ngeow Yun Fong, Senior Professor, Faculty of Medicine and Health Sciences, Universiti Tunku Abdul Rahman as the recipient of the Outstanding Woman Scientist Lifetime Scientific Research Achievement Award and Assoc. Prof. Dr. Chai Lay Ching, Senior Lecturer, Faculty of Science, University of Malaya as the recipient of the Young Woman Scientist Award.

The roles played by women scientists and social scientists have been impactful in the community. In the First Women's Conference Series, we had eminent women scientists speaking on their respective areas of expertise such as Medicine, Chemistry, Physics, Engineering, Mathematics, Biology and Biotechnology. In the Second Women's Conference Series, we had expanded the scientific disciplines to include Social Science of Law. In this Third Women's Conference Series, we are honoured to have Dato' Dr. Sim Soon Liang to speak on Agriculture, Prof. Dato' Dr. Aileen Tan Shau Hwai on Marine Biology, Datin Ts. Dr. Mahaletchumy Arujanan on Communication in Science, Prof. Dr. Lee Chien Sing on Technology, Prof. Dr. Nor Aishah Binti Hamzah on Mathematical Sciences and Dr. Fu Ju Yen on Pharmaceutical Sciences.

I am confident that all participants will benefit from the Conference by gaining insights from the vast experience and contributions of the speakers.

To the students and future scientists who will be among the participants, I hope you will get an overview of the possible career opportunities from our eminent scientists.

Thus, we are pleased to continue with this third series of the project and we look forward to Malaysia realising its aspiration to be a developed nation scientifically in the near future.

Best Wishes,

Academician Emeritus Professor Tan Sri Datuk Dr. Augustine S.H. Ong
President, Malaysian Invention and Design Society

PROGRAMME

9.00 am – 9.05 am	Welcome Address by YBhg. Academician Emeritus Prof. Tan Sri Datuk Dr. Augustine S.H. Ong, <i>President, MINDS</i>
Module I	Chairperson: Datuk Dr. Choo Yuen May, <i>Vice President, MINDS</i> <i>Chairperson, Conference Organizing Committee</i>
9.05 am – 09.20 am	Presentation of Outstanding Woman Scientist Lifetime Scientific Research Achievement Award
9.20 am – 10.00 am	Understanding Microbes for Better Disease Control Keynote Address by Prof. Dr. Ngeow Yun Fong, Outstanding Woman Scientist Lifetime Scientific Research Achievement Awardee <i>Senior Professor, Faculty of Medicine and Health Sciences, Universiti Tunku Abdul Rahman</i>
10.00 am – 10.20 am	Plant Breeder, an exciting and rewarding profession Dato' Dr. Sim Soon Liang, <i>Member of Advisory Panel, Malaysian Pepper Board</i>
10.20 am – 10.40 am	Science Impacting Life Through Sustainable Aquaculture Prof. Dato' Dr. Aileen Tan Shau Hwai, FASc, <i>Director, Centre for Marine & Coastal Studies (CEMACS), Universiti Sains Malaysia</i>
10.40 am – 11.00 am	Science Communication for Women Innovators Datin Ts. Dr. Mahaletchumy Arujanan, <i>Executive Director, Malaysian Biotechnology Information Centre (MABIC)</i>
11.00 am – 11.20 am	Q&A Session
11.20 am – 11.30 am	BREAK
Module II	Chairperson: Prof. Ir. Dr. Leong Wai Yie, <i>Vice President, International Network of Women Engineers and Scientists (INWES)</i> <i>Council Member, MINDS</i> <i>Council Member, IET</i>
11.30 am – 11.45 am	Presentation of Young Woman Scientist Award
11.45 am – 12.05 pm	My Journey of Finding Art in Science Assoc. Prof. Dr. Chai Lay Ching, <i>Young Woman Scientist Awardee, Faculty of Science, University of Malaya</i>
12.05 pm – 12.25 pm	Design, design thinking, computational thinking: Examples of transfer and flavors of reuse from e-learning, e-business to e-health Prof. Dr. Lee Chien Sing, <i>Professor, School of Engineering and Technology, Sunway University</i>
12.25 pm – 12.45 pm	Think Beyond Numbers: Reasoning and Creativity Prof. Dr. Nor Aishah Binti Hamzah, <i>Professor, Faculty of Science, University of Malaya</i>
12.45 pm – 01.05 pm	When nutraceuticals meet nanotechnology Dr. Fu Ju Yen <i>Senior Research Officer, Malaysian Palm Oil Board</i>
01.05 pm – 01.25 pm	Q&A Session
01.25 pm – 01.40 pm	Closing Remarks by YBhg. Datuk Dr. Choo Yuen May, <i>Vice President, MINDS</i> <i>Chairperson, Conference Organizing Committee</i>