

WHO SHOULD ATTEND

- Academicians, researchers, agronomists and students
- Policy makers
- Agriculture consultants/advisors
- Small scale and commercial farmers
- Non-governmental organisations and associations of agriculture
- Individuals involved in agricultural/ environmental/soil related matters\

VENUE

Melaka, Malaysia

ADVERTISEMENT, SPONSORSHIP AND EXHIBITION

Companies and institutions are invited to sponsor, to advertise in the symposium souvenir programme and to display their products and technologies during the trade exhibition associated with the symposium. An exhibition featuring latest products, innovations and technologies related to vegetable industry will be held. For more information, please visit our website.

REGISTRATION

Please register online at our website at <http://seaveg.mardi.gov.my>

REGISTRATION FEE

Local participant <ul style="list-style-type: none">• General• Student	RM1500 RM750
International participant <ul style="list-style-type: none">• General• Student	USD400 USD250

ENQUIRIES AND CORRESPONDENCE

- **General enquiries including pre-registration and payment, please contact:**
Ms Hanisah Abu Hasan
Tel: +603-8953 6913/6803
E-mail: hanisahhasan@mardi.gov.my
- **Enquiries relating to papers, posters and programme, please contact:**
Ms Theeba Manickam
Tel: +603-98945 7450/+6012-3397200
E-mail: theeba@mardi.gov.my
- **Enquiries regarding participation in advertisement and exhibition, please contact:**
Dr. Zaulia Othman
Tel: +603-8953 6234/+6018-3526337
E-mail: zaulia@mardi.gov.my



Advance Vegetable Technology for Higher Productivity and Better Human Health

9 – 11 July 2019
Melaka, Malaysia



Organiser



Co-organiser



Supported by



<http://seaveg.mardi.gov.my>

BACKGROUND

The advancement in vegetable production technologies plays an important role towards sustaining and securing our vegetable sources. With the theme 'Advance Vegetable Technology for Higher Productivity and Better Human Health', this upcoming 2019 Southeast Asian Vegetable Symposium (SEAVEG 2019) will highlight new promising technologies and approaches in producing high quality vegetables. Advance vegetable technologies such as sensor devices, machineries, precision agriculture and smart farming are adopted to enhance vegetable production. These technologies strengthened the efforts taken by the breeders and horticulture scientists to improve crop yield and quality. Modern agricultural biotechnology which involves an application of cellular and molecular techniques helps to assist in identifying macro and micronutrient availability in vegetables. Those nutrients are essential for human to lead a better quality of life. The symposium will consist of plenary, keynote and parallel oral presentations. Much attention will also be given to the poster sessions, where the organisers are anticipating active involvement of both poster presenters and other participants. Specific topics will be addressed via a panel discussion which encourages active audience participation to further understand the current scenario and future priorities in the vegetable industry.

OBJECTIVES

1. To serve as a platform for representatives from agricultural and environmental agencies, research institutions, universities, policy makers, farmers, consumers and producers to discuss and share their views and exchange ideas, innovations and products, information and latest progress in vegetable technologies.

2. To provide participants an avenue to come out with recommendations based on the current needs of the vegetable industry.

SCIENTIFIC PROGRAMME

Scientific paper submissions are welcomed for the following topics:

- a. Seed technology: Hybrid seed, tissue culture, finger printing, seed coating and mutational breeding
- b. Crops for the future: Underutilised vegetables for nutrition and bio-prospection
- c. Advances in plant breeding: Biofortified crops, transgenic crops, genetically modified crops, gene-editing, etc.
- d. Nutrient fortification, precision nutrient management and smart fertilisers
- e. Precision farming: Mechanisation and sensors
- f. Advances in organic vegetable farming: Biofertilisers, biopesticides and ecoengineering
- g. Plant factory, urban farming and indoor mushroom cultivation
- h. Biocontrol, bioremediation and biosensors
- i. Climate smart vegetable technologies
- j. Advance postharvest management
- k. Innovative vegetable products
- l. Socioeconomics considerations in vegetable production, processing, packaging and consumption

SEAVEG 2019 gathers a number of plenary and keynote papers under various topics and expertise in vegetable production and nutrition as below:

Plenary Papers

Vegetables: Cycle of Nutrients, Nutrition and Nutrition Security
Dr. Prem Nath, Vegetable Science International Network (VEGINET), Bengaluru, India

Assuring Nutritional Security by Improving Quality and Diversity including Vegetables in Rice-based Diets
Dr. Jacqueline Hughes, International Rice Research Institute (IRRI), Philippines

Plant Factory Technology: The Future of Vegetable Production
Prof. Paul P.S. Teng, Nanyang Technological University, Singapore

Keynote Papers

Impact of Advanced Vegetable Production Technologies on Productivity and Nutritional Value
Prof. Michael Boehme, University Bangladesh-Humboldt-University of Berlin, Germany

Plant Factory: Climate Smart Technology for Sustainable Vegetable Production
Dr. Zulhazmi Sayuti, Malaysian Agricultural Research and Development Institute (MARDI), Malaysia

Sustainable Production and Consumption of Vegetables in the Nutrition Security Chain for Health and Wellness of Diverse Population
Dr. V. Prakash, International Society of Nutraceuticals and Nutritionals and Naturals (ISNNaN), Mysore, India

Advance Breeding Tools in Vegetable Crops
Prof. Joao Carlos da Silva Dias, University of Lisbon, Portugal

Managing Evolution of Vegetable Viruses for Improved Productivity and Nutrition
Dr. Anupam Varma, Indian Agricultural Research Institute (IARI), New Delhi, India

Advances in Biological Control of Insect Pests in Crucifers
Dr. Sivapragasam Annamalai, Centre for Agriculture and Biosciences International (CABI) Southeast Asia, Selangor, Malaysia

Improving the Competitiveness of Vegetable Markets for Enhancing Nutritional Security
Prof. P.G. Chengappa, University of Agricultural Sciences, Bangalore, India

Advance Technologies in Organic Vegetable Production for Safe and Healthy Food Consumption
Prof. Stefaan De Neve, Ghent University, Belgium

Microgreens and Sprouts for Household Nutrition Security
Dr. O.P. Dutta, Namdhari Seeds Pvt Ltd, Bangalore, India

CALL FOR PAPERS

In conjunction with SEAVEG 2019 theme, papers of relevant topics are invited for oral and poster presentations. Abstracts of 200 to 250 words will need to include names of authors, their institutions, country and contact e-mail addresses. All abstracts will be reviewed by the scientific committee and authors will be notified if they have been assigned to an oral or poster presentation session. Authors are requested to submit a full paper which consist an ABSTRACT, INTRODUCTION, MATERIALS and METHODS, RESULTS and DISCUSSION and REFERENCES in English, and to include figures, tables and photos in black and white (minimum of 8 pages and maximum of 10 pages) in Microsoft Word for Windows. The format for abstract and full papers can be obtained from the SEAVEG 2019 website. The deadline for abstract submission is on **31 March 2019** and full paper submission is on **31 May 2019**. Papers will be reviewed, edited and printed which to be distributed as SEAVEG 2019 Symposium Proceeding to all participants. Posters should be in portrait size of 18 inch x 28 inch and readable at a distance of one meter.