

**JOINT SYMPOSIUM OF THE 8TH INTERNATIONAL AGRICULTURE CONGRESS 2018 AND
6TH INTERNATIONAL SYMPOSIUM FOR FOOD AND AGRICULTURE 2018**

Shaping the Future through Agriculture Innovation

OVERALL PROGRAM

DAY 1: 13 TH NOVEMBER 2018 VENUE: AUDITORIUM RASHDAN BABA		
08.00 -- 09.00: Registration		
09.00 – 10.30: Opening Ceremony Officiated by YB Dato' Salahuddin Ayub Minister of Agriculture and Agro Based Industry		
10.30 – 11.00: Refreshment		
<p align="center">Chairman: Prof. Dato' Dr. Mohd Fauzi Ramlan</p> <p>11.00 – 11.45: Keynote Paper 1 Dr. Sjaak Wolfret <u>Application of Big Data in Enhancing Effective Decision Making in Agriculture Production</u></p> <p>11.45 – 12.15: Plenary Paper 1 Mr. David J. Lobo <u>Changing the Architecture of the Coconut Palm for Maximizing Productivity</u></p> <p>12.15 – 12.45: Plenary Paper 2 YBhg. Dato' Dr. Quaza Nizamuddin bin Hassan Nizam <u>Malaysian Livestock Industry towards Food Security under Challenging Environment</u></p>		
12.45 – 14.10: Lunch		
Venue A: Auditorium Rashdan Baba	Venue B: Mini Auditorium 1	Venue C: Mini Auditorium 2
Session 1: (14.10-17.15)	Session 2: (14.10-17.15)	Session 3: (14.10-17.15)
<i>Crop Science</i>	<i>Animal Science</i>	<i>Agribusiness</i>
17.15 – 17.45: Refreshment and Poster Session I		
19.00 – 22.00: Congress Dinner		

DAY 2: 14TH NOVEMBER 2018
VENUE: AUDITORIUM RASHDAN BABA

Chairman: Prof. Dr. Abdul Shukor Juraimi

08.30 – 09.15: **Keynote Paper 2**
 Prof. Dr. R. Russell M. Paterson
Climate Change Affects Detrimentially Oil Palm Growth and *Ganoderma boninense* Disease of Oil Palm Requiring Amelioration

09.15 – 09.45: **Plenary Paper 3**
 Dr. Nyan Taw
Innovations in Combating Challenges in Aquaculture

09.45 – 10.15: **Plenary Paper 4**
 Professor Andrew Fleming
Engineering Crop Plants to Improve Photosynthesis and Water-Use in a Changing Environment

10.15 – 10.30: Refreshment

Venue A: Auditorium Rashdan Baba	Venue B: Mini Auditorium 1	Venue C: Mini Auditorium 2
Session 4: (10.30-12.50) <i>Plant Breeding</i>	Session 5: (10.30-13.05) <i>Aquaculture</i>	Session 6: (10.30-13.25) <i>Agricultural Technology and Food Technology</i>

13.05 – 14.00: Lunch

14.00 – 14.30: POSTER SESSION

Venue A: Auditorium Rashdan Baba	Venue B: Mini Auditorium 1	Venue C: Mini Auditorium 2
Session 7: (14.30-17.15) <i>Agriculture Recreation and Environment</i>	Session 8: (14.30-17.15) <i>Aquaculture and Plant Protection</i>	Session 9: (14.30-17.15) <i>Agriculture Extension and Soil and Crop Management</i>

VENUE: AUDITORIUM RASHDAN BABA
 17.15 – 17.45: Poster Award Presentation and Closing Ceremony

17.45: Refreshment

DAY 3: 15TH NOVEMBER 2018
Post-Congress Tour

PARALLEL SESSION

Day 1
Session 1
CROP SCIENCE

Chairman: Assoc. Prof. Dr. Yahya Awang

14.10 – 14.30	Lead Speaker 1 The Concept of LISA and its Current Status <i>Prof. Dato' Dr. Mohd Fauzi Ramlan</i>
14.30 – 14.45	Antioxidant Activity in Ginger through Application of Different Drying Methods <i>Jaafar, H. Z.E. & Ghasemzadeh, A.</i>
14.45 – 15.00	Combined Effects of Plant Based Fungicides and Arbuscular Mycorrhizal Fungi on Corn <i>Jaafar, N. M. & and Khor, J.J.L</i>
15.00 – 15.15	Shortage of Water as a Constraint to Irrigation Farming at Daberam Dam Site, Katsina State Northern Nigeria <i>Ladan, S. I.</i>
15.15 – 15.30	Organic Manure and Inorganic Fertilizer Management for Sustainable Sweet Potato (<i>Ipomoea batatas</i>) Production <i>Islam, M. M., Paul, T. K. & Majid, N. M.</i>
15.30 – 15.45	Q & A
15.45 – 16.00	Growth, Yield and Water Use Efficiency of Cherry Tomato (<i>Lycopersicum esculentum</i> Mill. var <i>Cerasiforme</i>) as Influenced by Water Stress Grown under Different Green House Systems <i>Hasbullah, F., Sakimin, S. Z., Dahlan, N. Y. & Ramlan, M. F.</i>
16.00 – 16.15	Comparison of Five Silo Type for Corn Silage Production <i>Nazli, M. H., Halim, R. A., Samsudin, A. A., Abdullah, A. M. & Hussin, G.</i>
16.15 – 16.30	Advancement of Impoverished Populations through Appropriate Nutrient Supplementation of <i>Moringa oleifera</i> L. <i>Shamsuddeen, R., Hanafi, M. M., Kankara, S. S., Mohidin, H., Rahman, L. A. & Omar, S. R. S.</i>
16.30 – 16.45	Effect of Foliar Application of Zinc and Boron on the Growth and Yield of Black Pepper (<i>Piper nigrum</i> L.) in Central Highland, Vietnam <i>Nguyen, T. N., Pham, D. C. & Nguyen, A. D.</i>
16.45 – 17.00	Influenced of Weeding Regime on Productivity of Aerobic Rice Genotypes <i>Take-Tsaba, A., Juraimi, A. S., Yusop, M. R., Othman, R. & Singh, A.</i>
17.00 – 17.15	Q & A

Day 1
Session 2
ANIMAL SCIENCE

Chairman: Assoc. Prof. Dr. Anjas Asmara@Ab. Hadi Bin Samsudin

14.10 – 14.30	Lead Speaker 2 Mitigating the Environmental Impacts of Animal Production on Climate Change - Challenges and Opportunities in the Tropics <i>Assoc. Prof. Dr. Goh Yong Meng</i>
14.30 – 14.45	Effects of Ethanol on Carcass Quality of Korean Cattle Steers <i>Choi, C. B., Kwon, H. & Kim, J. Y.</i>
14.45 – 15.00	Competitiveness and Sustainability of Smallholder Poultry Production in Nigeria: A Case of Some Selected Poultry Farms in Zamfara State <i>Muazu, A. U.</i>
15.00 – 15.15	Differences of Growth Performance and Various Parameters Relating to Protein Metabolism between Broiler (Chunky) and Local Chicken (Niigata Jidori) <i>Ataur, R. M. & Takada, R.</i>
15.15 – 15.30	Effect of Rumen Protected Fat on Male Reproduction Performance in Malin Sheep <i>Ahmad, M. H., Chen, L. T., Maidin, M. S. & Samsudin, A. A.</i>
15.30 – 15.45	Q & A
15.45 – 16.00	Effect of Dietary Astaxanthin Produced by <i>Phaffia rhodozyma</i> on Meat Quality in Broiler Chickens <i>Kang, M. & Fujimura, S.</i>
16.00 – 16.15	The Carbon Budget and Greenhouse Gas Balance of Annual and Perennial Crops for Dairy Feed <i>Sulaiman, M. F., Wagner-Riddle, C., Brown, S. E., Warland, J., Voroney, P. & Rochette, P.</i>
16.15 – 16.30	Structural Change in Feedlot Cattle Death Loss <i>Buda, M., Raper, K. C., Riley, J. M., Peel, D. & Lalman, D.</i>
16.30 – 16.45	Nutritive Value of <i>Cajanus cajan</i> By Product as Ruminant Feed <i>Dian, A. A., Yaakub, H., Suyub, I. B. & Jusoh, S.</i>
16.45 – 17.00	Influence of Monocalcium Phosphate Supplementation on the Growth Performance and Carcass Quality in Commercial Broiler Chicken <i>Chung, E. L. T., Mahzan, N. M., Henipah, N. N. M. M. A., Ling, L. W. & Loh, T. C.</i>
17.00 – 17.15	Q & A

Day 1
Session 3
AGRIBUSINESS

Chairman: Assoc. Prof. Dr. Nolila Mohd Nawi

14.10 – 14.30	Lead Speaker 3 Food Security Challenges in Developing Economies <i>Prof. Datuk Dr. Mad Nasir Hj. Shamsudin</i>
14.30 – 14.45	Measuring the Effectiveness and Marketing Innovation of Agro Food Processor and Manufacturers <i>Khairuddin, N. H., Kamarulzaman, N. H., Hashim, H. & Hussin, S. R.</i>
14.45 – 15.00	Inbound Halal Logistics Practices among Mosque Management Officials <i>Kamarulzaman, N. H., Tarmizi, H. A., Latif, I. A. & Rahman, A. A.</i>
15.00 – 15.15	Seaweed Supply Chain Risk Assessment in Sabah <i>Mohd, M. M. & Kamarulzaman, N. H.</i>
15.15 – 15.30	Competitiveness of the Dairy Goat Industry in Malaysia: Management View <i>Yusoff, M. A., Nawi, N. M., Ismail, M. M., Abdullah, A. M. & Man, N.</i>
15.30 – 15.45	Q & A
15.45 – 16.00	The Cost of Producing Biofuel from Eastern Red Cedar in Oklahoma <i>Ramli, N. N. & Epplin, F. M.</i>
16.00 – 16.15	Implementation of Halal Traceability System along SMEs Food Supply Chain <i>Muhamad, N. A. & Kamarulzaman, N. H.</i>
16.15 – 16.30	The Role of Perceived Behavioral Control in Intention to Purchase Edible Bird's Nest Products <i>Shukri, N. N. H. M., Nawi, N. M., Abdullah, A. M. & Man, N.</i>
16.30 – 16.45	Societal Life Cycle Costing (SLCC) Approach for Sustainable Stingless Bee Industry <i>Samsuddin, N. S., Ismail, M. M. & Sharaai, A. H.</i>
16.45 – 17.00	Factors Influencing Performance of Entrepreneurs of Farmers Market in Malacca <i>Bakar, W. M. M, Nawi, N. M. & Rahman, A.</i>
17.00 – 17.15	Q & A

Day 2
Session 4
PLANT BREEDING

Chairman: Assoc. Prof. Dr. Hawa Ze Jaafar

10.30 – 10.50	<p>Lead Speaker 4 A Review: Marker Assisted Selection of Fusarium Yellows Resistance in Brassica Crops <i>Okazaki, K., Mozammel, H., Fukai, E., Shimizu, M., Shea, D. J., Fujimoto, R. & Fukai, E.</i></p>
10.50 – 11.05	<p>Genetic Analysis for Tuberos Stem Formation in Kohlrabi (<i>Brassica oleracea</i> var. <i>Gongylodes</i>) <i>Hoque, M., Sato, M., Shea, D. J., Asada, M., Asad-Ud-Doullah, M., Shimizu, M., Fujimoto, R., Fukai, E. & Okazaki, K.</i></p>
11.05 – 11.20	<p>Genetic Gain in Yield and Associated Changes in Phenotype and Trait Plasticity of Bangladeshi Wheat Varieties Released Till to-Date <i>Hasan, A. K., Ymon, M. I., Begum, M., Hoque, M. & Islam, S. S.</i></p>
11.20 – 11.35	Q & A
11.35 – 11.50	<p>Proteomic and Glycomic Characterization of Rice Chalky Grains Produced under Moderate and High-Temperature Conditions in Field System <i>Mitsui, T. et al.</i></p>
11.50 – 12.05	<p>Host Range Expansion of Wheat Stem Rust Resistance Genes into Barley <i>Hatta, M. A. M. et al.</i></p>
12.05 – 12.20	<p>Nitrogen Use Efficiency and Expression of Nitrogen Transporter of Upland Rice <i>Adibah, M. A., Zaharah, A. R., Hanafi, M. M. & Akmar, S. N. A.</i></p>
12.20 – 12.35	<p>Phytopathogens: A Good Opportunity to Improve Rice Culture Under Changing Environmental Conditions <i>Baslam, M., Itoh, K., Baroja-Fernández, E., Hajirezaei, M-R., Dolezal, K., Pozueta-Romero, J. & Mitsui, T.</i></p>
12.35 – 12.50	Q & A

Day 2
Session 5
AQUACULTURE

Chairman: Assoc. Prof. Dr. Yuzine Esa

10.30 – 10.50	Lead Speaker 5 Status and Future of Aquaculture in Southeast Asia: Challenges and Opportunities <i>Prof. Dr. William Daniels</i>
10.50 – 11.05	Diet Composition and Feeding Strategy of Crossbanded Barb, <i>Puntioplites bulu</i> (Bleeker, 1851) from Perak, Peninsular Malaysia <i>Faraha, A. G. I., Arshad, A., Azni, H. S., Annie, C. & Syukri, M. I. F.</i>
11.05 – 11.20	Effects of Stocking Density on Growth and Survival of Bicultured Red Claw Crayfish <i>Cherax quadricarinatus</i> (Von Martens 1868) with Lemon Fin Barb Hybrid in Recirculating Aquaculture System <i>Adenike, J. A., Amin, S. M. N., Kamaruddin, M. S. & Wahab, E. M.</i>
11.20 – 11.35	Search for and Utilization of Ambrein/Onoceroid-Producing Bacteria from Sperm Whale <i>Chikaoka, K., Kawabe, M., Ueda, D., Yamada, T. K., Tajima, Y., & Sato, T.</i>
11.35 – 11.50	Q & A
11.50 – 12.05	Effectiveness of Integrated Management Measures for Recovering Fish Stock in South Korea <i>Lee, S-G., Sakib, M. H. & Rahman, M. A.</i>
12.05 – 12.20	Status, Prospects, Potentials and Management of Inland Fisheries in the Republic of Korea <i>Rahman, M. A., Lee, S-G., Molla, M. H. R. & Parvez, M. S.</i>
12.20 – 12.35	Salts of Organic Acid Selection with High Fishmeal Replacement with Soybean meal and Total Cultivable Hepatopancreas Microbiota of the Blue Swimming Crab, <i>Portunus pelagicus</i> Juveniles Against <i>Vibrio harveyi</i> <i>Taher, S., Arshad, A., Romano, N., Amin, S. M. N. & Christianus, A.</i>
12.35 – 12.50	Nursery Grounds of Jatka (Juvenile Hils) in the Major Rivers of Bangladesh <i>Rashid, M. H., Amin, S. M. N., Arshad, A. & Yusoff, F. M.</i>
12.50 – 13.05	Q & A

Day 2
Session 6
AGRICULTURE TECHNOLOGY

Chairman: Assoc. Prof. Dr. Halimi Mohd Saud

10.30 – 10.50	Lead Speaker 6 Towards Agriculture 4.0: Impact of Precision Agriculture Technology Among Malaysia's Producers <i>Dr. Ahmad Suhaizi Mat Su</i>
10.50 – 11.05	Response Surface Methodology Approach to Optimize Kenaf (<i>Hibiscus cannabinus</i>) Growth and its Nutrient Composition using Organic Liquid Bio-Fertilizer <i>Aziz, M. S. A., Renly, A., Chin, N. L., Jusoh, S. & Tee, T. P.</i>
11.05 – 11.20	Colour Identification of Sterilized and Unsterilized Oil Palm Fruitlet Mesocarp <i>Wondi, M. H., Shamsudin, R. & Yunus, R.</i>
11.20 – 11.35	Manipulating the Growth and Phytochemical Quality of Vegetables using LED Lighting and Plant Nutrients <i>Awang, Y., Daud, Z. M., Anuar, N. & Ibrahim, N.</i>
11.35 – 11.50	Padi2U: Mobile Application Development for Paddy Management in KADA Kelantan <i>Roslin, A., Norasma, C. Y. N., Ismail, M. R., Azali, F. & Gani, S. S. A.</i>
11.50 – 12.05	Q & A

FOOD TECHNOLOGY

Chairman: Assoc. Prof. Dr. Nguyen Thi Xuan Sam

12.05 – 12.25	Lead Speaker 7 Quality Management of Food using Optical Sensing <i>Assoc. Prof. Dr. Yoshitaka Motonaga</i>
12.25 – 12.40	Elucidation of Physical Properties of the Exopolysaccharide of Low Molecular Weight Produced by Lactic Acid Bacteria <i>Ando, M., Sato, T., Tsutsuura, S., Nakai, H. & Nishiumi, T.</i>
12.40 – 12.55	Ambrein can be Synthesized from Squalene by using Single Enzyme <i>Yamabe, Y., Okuno, K., Inoue, M., Ueda, D. & Sato, T.</i>
12.55 – 13.10	Nondestructive Determination of Table Grape Qualities by Near Infrared Spectroscopy (NIRS) <i>Kanchanomai, C., Naphrom, D., Ohashi, S., Theanjumol, P., Maniwaru, P. & Nakano, K.</i>
13.10 – 13.25	Q & A

Day 2
Session 7
AGRICULTURE RECREATION AND ENVIRONMENT

14.00 – 14.30	POSTER SESSION
Chairman: Prof. Dr. Ahmed Osumanu Haruna	
14.30 – 14.45	Fishing Motivations and Preferences of Recreational Anglers at Pay-Fishing Ponds in Serdang, Selangor <i>Mohammad-Saidi, M.N. & Kamaruddin, I.S.</i>
14.45 – 15.00	Partnering Local Communities for Sustainable Urban Agriculture: The LA21 Kuala Lumpur Initiatives <i>Saud, H. M. & Satar, M. G. M.</i>
15.00 – 15.15	Greenhouse Gas Emissions from Dairy Open Lots and Manure Stockpiles in Northern China <i>Ding, L., Lu, Q., Xie, L., Liu, J., Wang, C., Shi, Z. & Zhang, G.</i>
15.15 – 15.30	The Effect of Global Warming on Forest Trees –Reproduction and Forest Dynamics <i>Sakio, H.</i>
15.30 – 15.45	Q & A
15.45 – 16.00	Influences of Agricultural Land Use on Physicochemical Properties of Bris Soil in East Coast of Peninsular Malaysia <i>Hafiz M. Y. K., Rizal, A. M. & Isharudin, M. D.</i>
16.00 – 16.15	Activity Measurement of Nitrogen Fixation in Rhizobium Symbiotic with Soybeans <i>Nishikata, T. & Ohtake, N.</i>
16.15 – 16.30	The Effects of Different Organic Material Applications and Their Components on Soil Bacterial Community Composition under Flooded Conditions <i>Suzuki, K., Kaneko, A., Wada, N. & Harada, N.</i>
16.30 – 16.45	Ornamental Fish Farming and Spatial Distribution in Layang-layang Kluang District using Geographic Information System (GIS) <i>Lokman, E. D., Hussain, A., Mahamud, M. M. & Nyukang, P. A.</i>
16.45 – 17.00	Population Dynamics of <i>Escualosa thoracata</i> (Valenciennes, 1847) in Matang Mangrove Estuaries, Perak, Malaysia. <i>Khatib, M. A. M., Amin, S.M. N., Arshad, A. & Yusoff, F. M.</i>
17.00 – 17.15	Q & A

Day 2
Session 8
AQUACULTURE

14.00 – 14.30	POSTER SESSION
---------------	-----------------------

Chairman: Dr. Md Aminur Rahman

14.30 – 14.50	Reproductive Cycle and Embryonic Development of the Marine Ornamental Shrimp, <i>Lysmata amboinensis</i> (De Man, 1888) <i>Omar, W. N. A., Arshad, A., Amin, S. M. N. & Christianus, A.</i>
14.50 – 15.05	Bacterial Quorum Sensing Degradar from Biofloc and Freshwater Prawn, <i>Macrobrachium rosenbergii</i> Associated with Green Microalgae <i>Chlorella sp.</i> <i>Nurarina, G., Aini, H., Ying, L. H., Ahmad, I., Rahim, A. A., Ina-Salwany, M. Y., & Natrah, I</i>
15.05 – 15.20	Meristic Counts, Morphometric Characters, and Length-Weight of <i>Megalapis cordyla</i> (Linnaeus, 1758) along the West Coast Peninsular Malaysia <i>Akmal, M.S., Rozihan, M. & John, B. A.</i>
15.20 – 15.35	An In vivo Assessment of <i>Enterococcus hirae</i> Strain LAB3 as Potential Probiotic for Asian Seabass Larvae (<i>Lates calcarifer</i>) against <i>Vibrio harveyi</i> Infection <i>Masduki, F., Zakaria, T., Min, C. C. & Karim, M.</i>
15.35 – 15.45	Q & A

PLANT PROTECTION

Chairman: Assoc. Prof. Dr. Ganesan Vadamalai

15.45 – 16.00	Efficacy of <i>Phaleria macrocarpa</i> Crude Extract to Control Black Apple Snail <i>Pomacea maculata</i> Perry <i>Roonjho, A. R., Muhammad, R., Syahirah, A. & Asib, N.</i>
16.00 – 16.15	Metagenomic Analysis Reveals Viral Diversity in the Viromes of Wild and Cultivated Blueberry (<i>V. corymbosum</i>) In Florida <i>Saad, N., Harmon, P.F., Polston, J. E., Varsani, A., Alcalá-Briseño, R. I. & Olmstead, J. W.</i>
16.15 – 16.30	Indigenous Fungal Plant Pathogen as Biocontrol Agent for Goosegrass (<i>Eleusine indica</i>) in Oil Palm Plantation <i>Ismail, M., Juraimi, A. S., Rusli, M. H., Seman, I. A. & Husri, M. N.</i>
16.30 – 16.45	Effect of Plant Growth Promoting Rhizobacteria on the Growth and Biocontrol of Black Pepper (<i>Piper nigrum</i> L.) under the Green House Condition <i>Trinh, T. H. T., Ngo, Q. H., Vo, T. P. K. & Nguyen, A. D.</i>
16.45 – 17.00	Detection and Characterization of Cucumber Mosaic Virus Infecting Ginger (<i>Zingiber officinale</i> Rosc.) and turmeric (<i>Curcuma longa</i> L.) in Peninsular Malaysia <i>Muhammad, B., Vadamalai, G., Hong, L. W. & Ling, K. L.</i>
17.00 – 17.15	Q & A

Day 2
Session 9
AGRICULTURE EXTENSION

14.00 – 14.30	POSTER SESSION
---------------	-----------------------

Chairman: Assoc. Prof. Dr. Norsida Man

14.30 – 14.50	Comparing Attitudes of Organic and Conventional Farmers towards Organic Farming in Malaysia <i>Haris, N. B. M., Garrod, G., Gkartzios, M. & Proctor, A.</i>
14.50 – 15.05	Factors Influencing Activity-Based Adaptation Practices of Smallholder Farmers Towards Climate Impact in Malaysia <i>Shehu, N., Man, N., Kamarulzaman, N. H., & Sulaiman, Z.</i>
15.05 – 15.20	Relationships between Human Resource Development and Extension Agents' Work Performance among Cocoa Growers in Malaysia <i>Olagunju, O., Hassan, S., Samad, M. Y. A., Suandi, T. & Kasin, R.</i>
15.20 – 15.35	Influence of Knowledge and Practices on Adoption of Improved Varieties of Pearl Millet by Farmers in North Eastern Nigeria <i>Galadima, M., Hassan, S., Man, N., Suandi, T. & Abu, I. A.</i>
15.35 – 15.45	Q & A

SOIL AND CROP MANAGEMENT

Chairman: Prof. Dr. Hitoshi Sakio

15.45 – 16.00	Integrated Farming System for Improving Productivity and Economics of Farmers in Indian Coastal West Bengal <i>Ray, M., Mukherjee, S. K., Saha, S., Chatterjee, S. & Chakraborty, K.</i>
16.00 – 16.15	Organic Approach of Detoxifying Mineral Acid Soils Improves Crop Productivity <i>Ahmed, O. H., Chn'g, H. Y., Palanivell, P., Latifah, O., Ali, M., Jalloh, M. B. & Azwan, A.</i>
16.15 – 16.30	Improving Nutrient Use Efficiency of Maize Cultivated on a Tropical Acid Soil Using Clinopilolite Zeolite <i>Latifah, O., Ahmed, O. H. & Majid, N. M. A.</i>
16.30 – 16.45	Increasing Cocoa Yield Through Good Agricultural Practices in Cocoa Cultivation <i>Rozita, O., Saiful Mujahid, A.R. & Sharih, S.</i>
16.45 – 17.00	Silicate Solubilizing Bacteria for Improved Growth of Rubber and Suppression of White Root Rot Fungal Pathogen <i>Rigidoporus microporus</i> <i>Othman, R., Shabbir, I., Sulaiman, Z., Samad, M. Y. A., Wong, M. Y. & Jaafar, N. M.</i>
17.00 – 17.15	Q & A

Section A: Plant Science / Plant Protection	
P1	Developing the Decision-Making Tool to Control Cocoa Pest, <i>Conopomorpha cramerella</i> (Snell) <i>Chang, A. L. S. & Sukarno, K.</i>
P2	Effectiveness Study of Foliar Nutrient on Growth and Yield of <i>Abelmoschus esculentus</i> L. (Okra) <i>Kamsol, M.A.S., Lee, W.J. & Tan, G.H.</i>
P3	Performance of Tekam Organic Fertilizer on Oil Palm Seedlings <i>Arifin, I. & Ruzlan, K. A. C.</i>
P4	In-Vitro Antifungal Activity of <i>Vernonia amygdalina</i> against <i>Botrytis cinerea</i> Tomato <i>Yusoff, S. F., Mohamed, M. T. M., Haron, F. F., Ismail, S. I. & Sakimin, S. Z.</i>
P5	In Vitro Growth Responses of <i>Gynura procumbens</i> to Different Medium Strengths and BAP Concentrations <i>Haida, Z., Urus, A. J., Kamarudin, M. Z. & Hakiman, M.</i>
P6	Validation of Cattle Liquid Bio Fertilizer Application Rate and Growth Media on Pak Choi (<i>Brassica chinensis</i>) Nutrients Uptake and Losses <i>Renly, A., Aziz, M. S. A., Chin, N.L., Dahlan, I. & Tee, T. P.</i>
P7	Encapsulation of In Vitro <i>Plectranthus amboinicus</i> (Lour.) Spreng. Shoot Tips for Propagation, Conservation and Germplasm Distribution <i>Arumugam, G., Sinniah, U. R., Swamy, M. K. & Lynch, P. T.</i>
P8	Wheat Variety Evaluation and Their Response to Gibberellic Acid (GA ₃) under Saline Conditions <i>Ibrahim, M. E. H., Ali, A. Y. A. & Farah, G. A.</i>
P9	Phylogeny and Identification of <i>Pantoea</i> Species Causing Leaf Blight Disease of Rice In Peninsular Malaysia <i>Azizi, M. M. F, Zulperi, D., Ismail, S. I., Hata, E. M., Ina-Salwany, M.Y. & Abdullah, M. A. F</i>
P10	Investigation on Host Specificity of <i>Pantoea stewartii</i> Subspecies <i>stewartii</i> Strains Isolated from Jackfruit (<i>Artocarpus heterophyllus</i>) Infected with Bronzing Disease in Malaysia <i>Mazlan, S., Zulperi, D., Yusof, S. N., Abidin, N., Ismail-Suhaimy, N. W., Ismail, S. I. & Yusof, M. T.</i>
P11	Evaluation of Antagonism and Lytic Enzymes Production by <i>Trichoderma</i> Species as a Potential Biocontrol Agent against <i>Rigidoporus microporus</i> <i>Go, W.Z., H'ng, P.S. & Wong, M.Y.</i>
P12	Growth Performance and Yield Production of Cherry Tomato as Affected by Media Types Grown under Different Greenhouse Systems <i>Hairin, N.E.M., Sakimin, S.Z., Ramlan, M.F., Baghdadi, A., Su, S. M. & Dahlan, N.Y.</i>
P13	Effects of Different Application Rates of Organic Fertilizer on Growth, Physiology and Antioxidant Activity of Sambung Nyawa (<i>Gynura procumbens</i>) <i>Martini, M.Y., Faiz, B. M., Edaroyati, P., M. W & Azizah, M.</i>
P14	Evaluation of N-(N-Butyl) Thiophosphate Triamide (NBPT) Treated Urea on Sweet Potato (<i>Ipomoea batatas</i>) Growth and Yield <i>Zulhlimi, M. N., Zaharah, S. S., Noraini, M. J. & Khanif, M. Y.</i>
P15	Effect of Agrotain Treated Urea (ATU) on Growth Performance and Yield of Maize <i>Muhaymin M. Z., Noraini M. J., Zaharah S. S. & Khanif M. Y.</i>
P16	Agronomic Effects of Wood Ash Application on Acidic Soil and Tomato Growth <i>Solomon, S. O. & Harada, N.</i>
P17	Evaluation of Primer Pairs for Studying Arbuscular Mycorrhizal Fungal Community Compositions using High Through-Put Sequencing by MiSeq <i>Takahashi, K., Suzuki, K. & Harada, N.</i>
P18	Identification of Clubroot Resistance QTL in <i>Brassica oleracea</i> against Differential Pathotype by using DH Population <i>Saito, H., Kodama, T., Hoque, M., Fukai, E. & Okazaki, K.</i>

P19	Identification of Proteins Interact with Yellows Resistant Protein FocBr1 In Chinese Cabbage <i>Matsumura, R., Yanase, T., Hoque, M., Kanzaki, H., Shimizu, M., Shea, D. J., Fujimoto, R., Fukai, E. & Okazaki, K.</i>
P20	Transcriptome Analysis and Gene Expression Profiling for Tuberos Stem of Kohlrabi <i>Sato, M., Hoque, M., Shea, D.J., Matsumura, R., Shimizu, M., Asad-ud-doullah, M., Fujimoto, R., Fukai, E. & Okazaki, K.</i>
P21	Changes in Functional Ingredients during Cultivation of Burdock Sprout <i>Sakai, S., Joh, T. & Hara, T.</i>
Section B: Animal Science / Aquaculture	
P22	Population Genetic Structure and Demographic Analysis of <i>Eleutheronema rhadinum</i> (Jordan And Everman 1902) and <i>Eleutheronema tetradactylum</i> (Shaw 1804) <i>Wahid, N. A., Esa, Y., Mohamed, R. & Ismail, M. F. S.</i>
P23	Molecular Characterization of Partial Gonadotropin Subunits (A, Follicle-Stimulating Hormone and Luteinizing Hormone) in <i>Pangasianodon hypophthalmus</i> <i>Zulperi, Z. & Hairudin, M. F.</i>
P24	A Comparison between Seasonally Close and Year-Round Open Fishing Impacts on Ecosystem-Based Fish Stock Rebuilding Plans in South Korea <i>Lee, S-G., Sakib, M. H. & Rahman, M. A.</i>
P25	Population Parameters of the Long-Spined Black Sea Urchin, <i>Diadema setosum</i> (Leske, 1778) from Pulau Pangkor, Perak, Malaysia <i>Rahman, M. A., Yusoff, F. M., Arshad, A., Amin, S.M.N., Harun, M.S. & Sang-Go, L.</i>
P26	Terminalia catappa: Potential Additive for Dairy Cows <i>Hazwan, M. M.</i>
P27	Dietary Garlic Powder Supplementation Could Ameliorate Unfavorable Effects of Choline Deficiency on the Liver Health and Immune System of Broiler Chickens <i>Navidshad, B.</i>
P28	Effect of In Ovo Injection of Green Tea Extract and Purslane Extract on Sex Differentiation of Broiler Chicken <i>Aghjeshlagh, M. & Navidshad, B.</i>
P29	Immune Characterization of Lymphoid Organs in Brown-Marbled Grouper <i>Mazlan, A. N., Karim, M., Yusoff, F. M., Abdullah, M. & Min, C. C.</i>
P30	Electron Probe X-Ray Microanalysis of Wild Mice Testis after the Fukushima Nuclear Plant Accident <i>Ohdaira, T. & Yamashiro, H.</i>
P31	Inhibin Anti Serum Induced Superovulation in Large Japanese Field Mice (<i>Apodemus speiosus</i>) During the Seasonal Reproductive Cycle <i>Meguro, K., Komatsu, K., Ohdaira, T., Shoji R. & Yamashiro, H.</i>
P32	Effects of a Lysine Enrich Diet on Growth Performance and Protein Metabolism Relating Parameters under the Condition of Heat Environment in Broiler Chickens <i>Amagawa, K. & Takada, R.</i>
P33	Effects of a Rice Diet on Growth Performance and Protein Metabolism Relating Parameters in Weaning Piglets <i>Tachihara, K. & Takada, R.</i>
P34	Effects of Betaine and Methionine Supplementation on Growth Performance and Breast Muscle in Broiler Chickens. <i>Matsumoto, K. & Takada, R.</i>
P35	Effect of Dietary Tochu Leaf Powder on Intramuscular Collagen and Meat Texture in Pork <i>Abe, N., Tsutsuura, S. & Nishiumi, T.</i>
P36	Predation of Goby Fish by <i>Elaphe quadrivirgata</i> on Sado Island <i>Ito, K.</i>

P37	Effect of Dietary Lys Levels on Broiler Meat Quality, Especially Taste-Related Amino Acids <i>Kobayashi, H. & Fujimura, S.</i>
P38	Allometry of Mangrove Horseshoe Crab, <i>Carcinoscorpius rotundicauda</i> along Peninsular Malaysia Coastal Waters <i>Syuhaida, I., Rozihan, M., John, B. A., Akmal, M.S. Joni, H.D. & Esa, Y.B</i>
Section C: Food Technology	
P39	Food Product Development: Bentong Ginger Biscuits <i>Choo, Y.Y. & Theed, S.T.</i>
P40	Volatile Composition of <i>Etilingera coccinea</i> , <i>Etilingera elatior</i> , <i>Zingiber Spectabile</i> and its Antibacterial and Antioxidant Activities <i>Nagappan, T., Anuar, Z. A. Z., Yusoff, S. & Salam, M. R.</i>
P41	Optimization of Flavonoid Recovery in the Red and Brown Rice Bran using Response Surface Methodology <i>Ghasemzadeh, A., Jaafar, Z.E. H., & Baghdadi, A.</i>
P42	Enhancing the Anaerobic Digestion of Crop Straw by Co-Operation of Digsetate Immersing and Stone-Milling Grinding <i>Jiang, W., Li, Y., Wen, Q., Ohashi, S. & Nakano, K.</i>
P43	Production of Pectic Oligosaccharides (POS) in Membrane Bioreactor <i>Sam, N. T. X. & Thanh, N. T.</i>
P44	Antioxidant Activity of Soymilk Residue Hydrolysates Produced by Using Microbial Enzymes <i>Ha, Q. L. & Ngoc, N. M.</i>
P45	Effects of Various Factors Such as pH, Inoculum Size, and Storage Temperature on Enterotoxin A (Sea) Production of <i>Staphylococcus aureus</i> in Cooked Rice <i>Tsutsuura, S., Nishiumi, T. & Murata, M.</i>
P46	Effect of High Pressure on the Physical and Sensory Properties of Kanikama <i>Yamazaki, K., Kakiuchi, T., Tsutsuura, S. & Nishiumi, T.</i>
P47	Inactivation of <i>Staphylococcus aureus</i> by high Pressure Processing <i>Minezaki, S., Tsutsuura, S., Murata, M. & Nishiumi, T.</i>
P48	Can AI Discriminate Foreign Rice Nondestructively from Hybrid Variety? <i>Tamba, S., Nakano, K., Ohashi, S., Takizawa, K. & Hayashikoshi, T.</i>
P49	Comparative Kinetic Analysis of Two Processive Type Chitinases from <i>Serratia marcescens</i> <i>Oda, Y., Suzuki, K. & Sugimoto, H.</i>
P50	Effects of Disulfide Bonds on the Stability of a Lytic Polysaccharide Monooxygenase, CBP21 <i>Nakamura, R., Suzuki, K. & Sugimoto, H.</i>
P51	Effective Sake Promotion in the World and Breeding Wild Yeast to Obtain New Customers <i>Suzuki, S., Suzuki, M., Takeuchi, S. & Suzuki, K.</i>
P52	Intracellular Localization of <i>Oryza sativa</i> Transmembrane Nine Protein (TMN 11) and the Interaction with A-Amylase <i>Arai, T., Kawata, K., Oikawa, K., Kitajima-Koga, A., Kaneko, K., Baslam, M. & Mitsui, T.</i>
P53	Metabolomic Analysis of Brewers' Rice Grains Grown under High Temperature Stress <i>Ota, N., Shiina, S., Kaneko, K., Hanashiro, I. & Mitsui, T.</i>
P54	Effects of Glycogen Metabolic Enzyme Deficiency and Expression of OsGBSSI in <i>Escherichia coli</i> Glycogen Structure <i>Ito, K., Fukushima, M., Hanashiro, I., Almagro, G., Pozueta-Romeo, J., Mitsui, T. & Itoh, K.</i>
P55	Development of Functional Food Using Plant-Derived Lactic Acid Bacteria <i>Saito, Y., Joh, T. & Hara, T.</i>

P56	Effect of CSRD and PTS Sugar Addition on Half-Life of Small RNA CSRB in <i>Escherichia coli</i> <i>Shu Shunta Yamada, Hayuki Sugimoto, Kazushi Suzuki</i>
Section D: Soil Science / Environment	
P57	Adsorption-Desorption of Selenium in Soil <i>Safinah N. D., Farahzety, A.M., Rozlaily, Z., Shairah A.S., Martini M.Y. & Fauziah I. C.</i>
P58	Rice Husk Biochar Effects on Ammonia Volatilization during Poultry Litter Aerobic Composting <i>Alarafee, H.A., Ishak, C.F., Othman, R. & Singh D. K.</i>
P59	Evaluation and Optimization of Green Coating Material for Slow Release Fertilizer <i>Syahidah, M. S. N., Syahren A. M., Theeba, M. & Hazwan H. M.</i>
P60	Co-Composting of Biodegradable Municipal Waste (BMW) and Fruit and Vegetable Waste (FVW) for Environmental Management <i>Musa, A. M, Ishak, C. F., Singh, D. K. & Jaafar, N. M</i>
P61	Thickness in Perennial Biofuel and Row Crop Management <i>Zaibon, S., Anderson, S. H. & Kitchen, N.</i>
P62	Physicochemical Properties of Different Segments of 'Durian Kampung' (<i>Durio zibethinus</i>) Husk <i>Nordin, N., Shamsudin, R., Azlan, A. & Ya'acob, M. E.</i>
P63	Arbuscular Mycorrhizal Fungi Improves Growth of Aerobic Rice Under Water Deficit Soil Condition <i>Dzarma, I. S., Othman, R., Puteh, A., Sung, C. T. B. & Jaafar, N. M.</i>
P64	Isolation, Selection of Growth Promoting Endophytic Bacteria for Black Pepper (<i>Piper nigrum</i> L.) in Gia Lai Province <i>Nguyen, T. H. P. & Vo, T. P. K.</i>
P65	Influence of Large Debris Flow on Forest Floor Vegetation of Riparian Forest in Mountain Region <i>Ito, N. & Sakio, H.</i>
P66	The Diversity of Vegetation In Landslide Area of Numanodaira, North-West Tdami, Fukushima <i>Matsuura, R., Nakano, Y. & Sakio, H.</i>
P67	Developing Environmental Indicators of Matter Flow in Satoyama Ecosystem using Edaphone Community <i>Furukori, N., Kishimoto, K. & Homma, K.</i>
P68	Inhibition of Radioactive Cesium Transfer to Rice by Introduction of No-Planting Zone in Japan <i>Iizuka, T., Suzuki, Y., Inaba, R., Harada, N., Yoshikawa, N., Kubota, T., Miyazu, S., Shin, M., Nogawa, N., Ito, K., Tanaka, Y., Tsukidate, M. & Hikigi, S.</i>
P69	Analysis for Bacterial Community Composition under Organic Paddy Field and Clarification of Characteristics of Organic Paddy Field <i>Katashima, K., Suzuki, K., Miki, T., Xu, Q. C., Ohkubo, S., Iwaishi, M. & Harada, N.</i>
P70	Enhanced Rice Plant Growth by Interaction of Heterotrophic Protists and <i>Azospirillum</i> sp. Strain B510 <i>Shiroishi, K., Rasit, A., Suzuki, K. & Harada, N.</i>
P71	Nitrogen Budget in Satoyama Ecosystem <i>Ida, Y., Yoshikawa, N. & Homma, K.</i>
P72	Review: Effects of Neonicotinoid Insecticide on Ecosystem <i>Shibata, R., Suzuki, K. & Harada, N.</i>
P73	Dynamics of Neonicotinoid Insecticides in a Rice Field and the Surrounding Environment <i>Sugai, M., Suzuki, K. & Haradai, N.</i>