

SENARAI PEMENANG KLUSTER PERTANIAN

No.	Booth No.	Project Leader Name	Invention / Innovation Title	Category	Cluster	Faculty / Institute / Academy	Medal
1	C-AG-505	Loh Teck chwen	Metabolite in Layer's Feed	Product / Innovation (C)	Agriculture (AG)	Faculty of Agriculture	Gold
2	B-AG-271	Nitty Hirawaty Kamarulzaman	Application of knowledge management systems in Malaysian oil palm plantations' supply chain	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Gold
3	A-AG-5	Hawa Jaafar	Novel Carbon Dioxide Enrichment Technique For Reducing Nursery Period Of Oil Palm (<i>Elaeis guineensis</i> JACQ.) Seedlings	Fundamental (A)	Agriculture (AG)	Faculty of Agriculture	Gold
4	B-AG-242	Dzolkhifli Omar	Green lacewing, <i>Apertochrysa</i> sp. (Neuroptera: Chrysopidae) for insect pest control	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Gold
5	A-AG-3	Aziz Arshad	Hatching, Larval Rearing and Culture Success of <i>Strombus canarium</i> (Mollusca: Gastropoda): A Potential Species for Aquaculture	Fundamental (A)	Agriculture (AG)	Faculty of Agriculture	Gold
6	B-AG-247	Kamaruzaman Sijam	Selection Of Plant Host For <i>Glomus Mosseae</i> Inoculum Production	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Gold
7	B-AG-283	Zaharah Abdul Rahman	Screening Oil Palm Genotypes for Efficient Nitrogen Uptake	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Gold
8	B-AG-284	Zaharah Abdul Rahman	Potential Nitrogen contribution by <i>M. bracteata</i> in an oil palm ecosystem	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Gold
9	C-AG-504	Desa Bin Ahamd	Design And Development Of Kenaf Stem Harvesting Machine	Product / Innovation (C)	Agriculture (AG)	Faculty of Engineering	Gold
10	B-AG-233	Abdul Rashid Mohamed Shariff	Oil Palm Bunches Ripeness Detection	Applied Research (B)	Agriculture (AG)	Institute of Advanced Technology	Gold

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11	B-AG-276	Robiah Yunus	Low cost technology on hydrolysis of Oil Palm Empty Fruit Bunch for bioethanol production	Applied Research (B)	Agriculture (AG)	Institute of Advanced Technology	Gold
12	B-AG-278	Sieo Chin Chin	Phage Therapy for Colibacillosis Control in Broilers	Applied Research (B)	Agriculture (AG)	Institute of Bioscience	Gold
13	B-AG-248	Mahiran Basri	New nano-emulsion intervention for biopesticide formulation	Applied Research (B)	Agriculture (AG)	Institute of Bioscience	Gold
14	B-AG-275	Radziah Othman	Phosphate solubilizing bacteria for enhanced growth of aerobic rice	Applied Research (B)	Agriculture (AG)	Institute of Tropical Agriculture	Gold
15	B-AG-243	Goh Yong Meng	Oil palm-based feeds to reduce saturated fats in mutton	Applied Research (B)	Agriculture (AG)	Institute of Tropical Agriculture	Gold
16	A-AG-11	Md. Sakirul Islam Khan	Possible involvement of nitric oxide on feeding regulation in the brain of chicks	Fundamental (A)	Agriculture (AG)	Institute of Tropical Agriculture	Gold
17	B-AG-240	Ainun Zuriyati Mohamed @ Asa'ari	Water resistance paper made from Malaysian cultivated kenaf whole stem fibres	Applied Research (B)	Agriculture (AG)	Institute of Tropical Forestry and Forest Products	Gold
18	A-AG-23	Siti Shapor Siraj	Lunar and Hormonal Cycles in Triggering Mahseer, <i>Tor tambroides</i> Spawning	Fundamental (A)	Agriculture (AG)	Faculty of Agriculture	Silver
19	A-AG-7	Hawa ZE Jaafar	Novel Technique to Enhance Synthesis of Anti-cancer Compounds in Malaysian Young Ginger (<i>Zingiber officinale</i> Roscoe)	Fundamental (A)	Agriculture (AG)	Faculty of Agriculture	Silver
20	B-AG-246	Kamaruzaman Sijam	Field Assessment Of Calcium, Copper And Zinc Ions On Plant Recovery And Disease Severity Following Infection Of Huanglongbing (HLB) Disease	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Silver

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21	B-AG-244	Hafidzi Mohd Noor	A quick field detection of secondary poisoning by second generation rodenticide in Barn Owl (<i>Tyto alba</i>), a natural enemy of rats in oil palm.	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Silver
22	B-AG-270	Mohd Salleh Kamarudin	Optimum Protein Requirement of Malaysian mahseer (<i>Tor tambroides</i>) Fingerling	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Silver
23	A-AG-14	Mohd Salleh Kamarudin	The development of mouth and digestive tract in larval Malaysian mahseer, <i>Tor tambroides</i> (Bleeker)	Fundamental (A)	Agriculture (AG)	Faculty of Agriculture	Silver
24	B-AG-272	Nolila Mohd. Nawati	Factors influencing apple grower's selection of alternative preferred customers	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Silver
25	B-AG-285	Zainal Abidin Mior Ahmad	Lengkuas (<i>Alpinia galanga</i>) phenolic compounds for suppression of growth and toxins of fungal contaminants of rice	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Silver
26	B-AG-236	Abdul Shukor Juraimi	Salinity Stress On Germination And Early Seedling Growth Of Rice (<i>Oryza Sativa</i> L.)	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Silver
27	B-AG-277	Rosenani Abu Bakar	Glufosinate Ammonium Residues In Different Soils And Water Of Oil Palm Ecosystem	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Silver
28	A-AG-1	Ahmed Osumanu Haruna	Alternative technology for recycling peat water	Fundamental (A)	Agriculture (AG)	Faculty of Agriculture and Food Sciences	Silver
29	B-AG-264	Mohd Hanafi Idirs	Gonad Development of <i>Pinna bicolor</i> Gmelin, 1791 from Merambong Shoal, Johore, Malaysia	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture and Food Sciences	Silver

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30	A-AG-25	Tan Soon Guan	Identification Of The Malaysian Trichoderma Isolates Based On Morphology, Genetics And Chemical Profiles	Fundamental (A)	Agriculture (AG)	Faculty of Biotechnology and Biomolecular Sciences	Silver
31	B-AG-231	Abdul Rashid B Mohamed Shariff	Oil Palm Multiple Nutrient Sensing	Applied Research (B)	Agriculture (AG)	Faculty of Engineering	Silver
32	A-AG-19	Nur Ain Izzati Mohd Zainudin	Diversity of Fusarium species isolated from soil cultivated with cucurbits	Fundamental (A)	Agriculture (AG)	Faculty of Science	Silver
33	A-AG-9	Md Zuki bin Abu Bakar@Zakaria	Morphophysiological Study of the Digestive Tract of the Barking Deer (Muntiacus Muntjak)	Fundamental (A)	Agriculture (AG)	Faculty of Veterinary Medicine	Silver
34	B-AG-232	Abdul Rashid b. Mohamed Shariff	GIS-Based Macro Nutrient Soil Mapping Using Artificial Neural Network as a Sample Predictor	Applied Research (B)	Agriculture (AG)	Institute of Advanced Technology	Silver
35	A-AG-2	Amin Mahir Abdullah	Assessment of Rubber Industry Smallholder Development Authority (RISDA) service quality in Negeri Sembilan	Fundamental (A)	Agriculture (AG)	Institute of Agricultural and Food Policy Studies	Silver
36	A-AG-12	Mohd Mansor Ismail	Regional Comparative Advantage and Competitiveness of Malaysian Palm Oil Products	Fundamental (A)	Agriculture (AG)	Institute of Agricultural and Food Policy Studies	Silver
37	B-AG-256	Md Ferdous Alam	A Multistage Budgeting Approach to the Analysis of Demand for Fish: An Application to Inland Areas of Bangladesh	Applied Research (B)	Agriculture (AG)	Institute of Agricultural and Food Policy Studies	Silver
38	B-AG-245	Jeffrey Lawrence D'silva	Acceptance and Sustainability of Contract Farming Among Youth in Malaysia	Applied Research (B)	Agriculture (AG)	Institute of Social Science Studies	Silver

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39	A-AG-4	Esther W. Gikonyo	Evaluation of Iron Oxide Impregnated Paper Strip for Assessing Available Phosphorus in an Ultisol Amended with Triple Superphosphate or Phosphate Rock	Fundamental (A)	Agriculture (AG)	Institute of Tropical Agriculture	Silver
40	A-AG-22	Sariah Meon	Potential Lignocellulolytic Microbial Consortium for Rapid Composting of Rice Straw	Fundamental (A)	Agriculture (AG)	Institute of Tropical Agriculture	Silver
41	A-AG-27	Zulkifli Idrus	Neonatal stress modulates circulating levels of corticosterone, and expression of glucocorticoid receptor and heat shock protein 70 in aged Japanese quail exposed to acute heat stress	Fundamental (A)	Agriculture (AG)	Institute of Tropical Agriculture	Silver
42	A-AG-17	Norhani Abdullah	Antioxidant, Anti-Inflammati and Anticancer Activities of Methanolic Extracts from <i>Jatropha Curcas</i> Linn	Fundamental (A)	Agriculture (AG)	Institute of Tropical Agriculture	Silver
43	A-AG-16	Norhani Abdullah	<i>Jatropha curcas</i> Linn. kernel meal as a protein feed	Fundamental (A)	Agriculture (AG)	Institute of Tropical Agriculture	Silver
44	B-AG-263	Mohamed Hanafi Musa	Response of kenaf to nitrogen, phosphorus and potassium nutrition under nutrient solution culture	Applied Research (B)	Agriculture (AG)	Institute of Tropical Agriculture	Silver
45	B-AG-274	Norsida Man	Unleashing Youth Potentials in Developing the Malaysia Agricultural Sector	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Bronze
46	A-AG-6	Hawa Jaafar	Novel Antibacterial Properties Of The Leaf, Stem And Root Of Different Varieties Of <i>Labisia Pumila</i> Benth. (Kacip Fatimah)	Fundamental (A)	Agriculture (AG)	Faculty of Agriculture	Bronze

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47	B-AG-273	Norsida Man	The Practices of Contract Farming Among Fresh Fruit Vegetable Suppliers in Malaysia	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Bronze
48	B-AG-241	Che Fauziah Bt Ishak	Increase Antioxidant Activity Of Mas Cotek By Selenium Fertilization	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Bronze
49	B-AG-234	Abdul Shukor Juraimi	Comparing Rice Germplasms for Weed Suppressive Ability and Yield under Aerobic Soil Conditions	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Bronze
50	B-AG-279	Tee Tuan Poy	Biophysical Modelling Approach for Evaluation Manure Nutrients Flow in Malaysian Feedlot Cattle	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	Bronze
51	B-AG-251	Maziah Mahmood	Florexin, Efficient Flower Inducer for Dendrobium	Applied Research (B)	Agriculture (AG)	Faculty of Biotechnology and Biomolecular Sciences	Bronze
52	B-AG-253	Maziah Mahmood	Commercial Production of Tissue Cultured Banana Seedlings in Bioreactors	Applied Research (B)	Agriculture (AG)	Faculty of Biotechnology and Biomolecular Sciences	Bronze
53	C-AG-503	Baharudin Bin Suarnur	Fertilizer Spreader	Product / Innovation (C)	Agriculture (AG)	Faculty of Design and Architecture	Bronze
54	A-AG-15	Muskhazli Mustafa	Variation in mycorrhizal specificity for in vitro symbiotic seed germination of Grammatophyllum stapeliiflorum (Teijsm. & Mann.) S. S. Smith	Fundamental (A)	Agriculture (AG)	Faculty of Science	Bronze
55	A-AG-18	Nur Ain Izzati Mohd Zainudin	Diversity of Aspergillus and Fusarium species isolated from Cornmeal	Fundamental (A)	Agriculture (AG)	Faculty of Science	Bronze

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56	B-AG-258	Md Ferdous Alam	Measuring technical, allocative and cost efficiency of pangas (Pangasius hypophthalmus: SAuvage 1878) fish farmers of Bangladesh	Applied Research (B)	Agriculture (AG)	Institute of Agricultural and Food Policy Studies	Bronze
57	B-AG-257	Md Ferdous Alam	The Economics of sutchi catfish (Pangasianodon hypophthalmus) aquaculture under three different farming systems in rural Bangladesh	Applied Research (B)	Agriculture (AG)	Institute of Agricultural and Food Policy Studies	Bronze
58	B-AG-281	TEY Yeong Sheng	Acreage Response of Paddy in Malaysia	Applied Research (B)	Agriculture (AG)	Institute of Agricultural and Food Policy Studies	Bronze
59	A-AG-24	Tan Sheau Wei	Evolution of NDV Genotypes in Malaysia: What Genotypes are we facing?	Fundamental (A)	Agriculture (AG)	Institute of Bioscience	Bronze
60	B-AG-249	Mariana Nor Shamsudin	Freshwater Seabass (Lates calcarifer) fatty acid profile: with immune-enhancer commercial microalgae base: an alternative lipid based immunoenhancing feed	Applied Research (B)	Agriculture (AG)	Institute of Bioscience	Bronze
61	B-AG-250	Mariana Nor Shamsudin	Potential Uses from Sea Star of Selected Areas of West Coast Malaysia	Applied Research (B)	Agriculture (AG)	Institute of Bioscience	Bronze
62	B-AG-260	Md. Ashrafuzzaman	Efficacy of ascorbate-glutathione cycle for scavenging H ₂ O ₂ in two contrasting rice genotypes during salinity stress	Applied Research (B)	Agriculture (AG)	Institute of Tropical Agriculture	Bronze
63	B-AG-238	Abdul Shukor Juraimi	Seed Germination And Seedling Vigor Of Dominant Weed Species In Rice Field Under Salinity Stress	Applied Research (B)	Agriculture (AG)	Institute of Tropical Agriculture	Bronze

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64	A-AG-20	Parameswari Namasivayam	Characterisation of truncated leaf syndrome seedlings, an oil palm somaclonal variant	Fundamental (A)	Agriculture (AG)	Institute of Tropical Agriculture	Bronze
65	B-AG-262	Michael Ivan	Effects of different levels of dietary sulfur and molybdenum on concentrations of copper and other elements in plasma and liver of lambs fed palm kernel cake diets	Applied Research (B)	Agriculture (AG)	Institute of Tropical Agriculture	Bronze
66	A-AG-8	Liang Juan Boo	Lovastatin from Agro-Biomass for Methane Mitigation	Fundamental (A)	Agriculture (AG)	Institute of Tropical Agriculture	Bronze
67	B-AG-261	Michael Ivan	Effects of dietary molybdenum, sulfur and zinc on the excretion and tissue accumulation of trace elements in sheep fed palm kernel cake based diets	Applied Research (B)	Agriculture (AG)	Institute of Tropical Agriculture	Bronze
68	B-AG-237	Abdul Shukor Juraimi	Role of seeding method and rate in suppressing weeds in aerobic rice	Applied Research (B)	Agriculture (AG)	Institute of Tropical Agriculture	Bronze
69	B-AG-269	Mohd Razi Bin Ismail	Changes in organic and inorganic solutes of in vitro tomato cultivars under NaCl stress	Applied Research (B)	Agriculture (AG)	Institute of Tropical Agriculture	Bronze
70	A-AG-26	Thohirah Lee Abdullah	Flowering and Fruit Set Under Malaysian Climate of <i>Jatropha curcas</i> L.	Fundamental (A)	Agriculture (AG)	Faculty of Agriculture	No Medal
71	B-AG-266	Mohd Rafii Yusop	Diversity Of Physic Nut (<i>Jatropha Curcas</i>) In Peninsular Malaysia: Application Of Diver-Geographic Information System And Cluster Analysis	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	No Medal
72	B-AG-235	Abdul Shukor Juraimi	Relative Salinity Tolerance of Warm Season Turfgrass Species	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	No Medal

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73	C-AG-507	Mohd Rafii Yusop	SSR Markers Technology And Identification Of Genes Confering Resistance To Malaysian Rice Blast Races	Product / Innovation (C)	Agriculture (AG)	Faculty of Agriculture	No Medal
74	C-AG-506	Mohd Rafii Yusop	SSR Markers For Use In Marker Assisted Selection Of Blast Resistance In Rice (Oryza Sativa L.)	Product / Innovation (C)	Agriculture (AG)	Faculty of Agriculture	No Medal
75	B-AG-265	Mohd Mansor Ismail	The Changing Competitiveness Of Meat And Meat Preparation Sub-Sectors In Selected Asean Countries	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	No Medal
76	A-AG-21	Rozihan Bin Mohamed	Molecular Phylogeography Of Southeast Asian Horseshoe Crab, Tachypleus Gigas In Malaysia Inferred Through Mitochondrial Dna	Fundamental (A)	Agriculture (AG)	Faculty of Agriculture	No Medal
77	B-AG-267	Mohd Rafii Yusop	A Comparative Analysis Of Genetic Diversity Among 48 Jatropha Curcas Accessions In Peninsular Malaysia Based On Morphology And Rapd Markers	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	No Medal
78	B-AG-268	Mohd Rafii Yusop	Molecular Markers Tools (SSRs) For Characterization Of Genetics Of Rice Plant And Resistance Analysis To Blast Pathogen (Magnaporthe Grisea)	Applied Research (B)	Agriculture (AG)	Faculty of Agriculture	No Medal
79	C-AG-508	Zulkifli Hj. Shamsuddin	Liquid Biofertilizer	Product / Innovation (C)	Agriculture (AG)	Faculty of Agriculture	No Medal
80	B-AG-254	Maziah Mahmood	Starch properties of a potential rice cultivar MR219-4 mutant line	Applied Research (B)	Agriculture (AG)	Faculty of Biotechnology and Biomolecular Sciences	No Medal

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81	B-AG-252	Maziah Mahmood	Development Of Rapd Markers For Characterization Of Local Banana Cultivars	Applied Research (B)	Agriculture (AG)	Faculty of Biotechnology and Biomolecular Sciences	No Medal
82	A-AG-10	Md Zuki Bin Abu Bakar@Zakaria	Effects Of n-3:n-6 Fatty Acids Supplementation On Plasma And Tissues Fatty Acids Composition, Prostaglandins Activities, Ppar? Gene Expression And Morphology Of Endometrium In Pregnant Rats	Fundamental (A)	Agriculture (AG)	Faculty of Veterinary Medicine	No Medal
83	B-AG-259	Md Ferdous Alam	Demand for aquaculture development: perspectives from Bangladesh for improved planning	Applied Research (B)	Agriculture (AG)	Institute of Agricultural and Food Policy Studies	No Medal
84	B-AG-282	TEY Yeong Sheng	Emerging dimension of demand for rice: Evidence from cross-Sectional and time series data	Applied Research (B)	Agriculture (AG)	Institute of Agricultural and Food Policy Studies	No Medal
85	B-AG-280	TEY Yeong Sheng	Demand Analysis of Meat in Malaysia	Applied Research (B)	Agriculture (AG)	Institute of Agricultural and Food Policy Studies	No Medal
86	B-AG-255	Maziah Mahmood	Fingerprinting of Ficus deltoidea Jack accessions based on Simple Sequence Repeat (SSR)	Applied Research (B)	Agriculture (AG)	Institute of Bioscience	No Medal
87	B-AG-286	Zalinah Ahmad	Identification of abundantly expressed proteins from Curculigo latifolia fruit through 7 different protocols	Applied Research (B)	Agriculture (AG)	Institute of Bioscience	No Medal
88	A-AG-13	Mohd Rizal Hussain	Safety Perception and Level of Satisfaction with the Home Environment among Older Malaysians	Fundamental (A)	Agriculture (AG)	Institute of Gerontology	No Medal

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89	B-AG-239	Abdul Shukor Juraimi	Physiological and growth responses of six turfgrass species to salinity	Applied Research (B)	Agriculture (AG)	Institute of Tropical Agriculture	No Medal
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