

Theme: High-Tech Agricultural Production (HTA)			
Parallel Session: Session 1			
Time: 11.15 a.m. - 4.25 p.m.		Venue: Session Room A1	
Session Chair: Dr. D.S.P. Kuruppuarachchi			
Session Coordinator: Dr. (Ms.) S.A.E.C. Wijesinghe			
Panel Members: Dr. A.S.A. Salgadoe Dr. B. Ranaweera Prof. Zhibing Wu			
Time	OP No	Abstract ID	Title
11.45 a.m. - 11.55 a.m.	OP 01	112	Silvopasture System: A Green Climate Solution <i>Herath H. M. I. K., McLaren S. and Fletcher A.</i>
11.55 a.m. – 12.05 p.m.	OP 02	211	Blueberry Maturity Detection and Counting via Multi-stage Visual Perception and Machine Learning <i>Wang H, Wang L., Zhao L., Gu H., Wan X. and Wang Q.</i>
12.05 p.m. - 12.15 p.m.	OP 03	27	Effects of Solar-Powered LED Lighting on the Growth and Quality of Nursery Tea Plants <i>Wijesinghe R. J., Weerathna I. D., Ekanayake J. B., Samaranyake L., Mohotti K. M., Kumarihami H. M. P. C., Damayanthi M. M. N., Indramali O. S., Suriyagoda L. D. B., Benaragama C. K. and Mohotti A. J.</i>
12.15 p.m. - 12.25 p.m.	OP 04	183	Impact of Magnesium Oxide and Copper Oxide Nanoparticle Dispersions on Surface Sterilisation of <i>Sansevieria trifasciata</i> L. for Micropropagation <i>Gimhani H. N. C., Withana H. N., Kandanapitiya M. S. and Kottearachchi N. S.</i>
Session Break			
2.15 p.m. – 2.25 p.m.	OP 05	160	Globally Ultra-Trace Intelligent Detection of Hydrazine in Eco-Environment with Ratiometric Fluorescent Bioimaging <i>Li X. and Hao G.</i>
2.25 p.m. – 2.35 p.m.	OP 06	214	GIS-Based Land Suitability Model for Cinnamon in the Mahaweli H System in Sri Lanka <i>Wimalasiri E.M., De Soysa E. J. S. and Mendis H. S. C.</i>
2.35 p.m. – 2.45 p.m.	OP 07	150	Development of an <i>In vitro</i> Protocol for Efficient Shoot Proliferation in <i>Murraya koenigii</i> <i>Premasiri W. M. A. C., Fonseka D. L. C. K. and Terensan S.</i>

2.45 p.m. – 2.55 p.m.	OP 08	178	Host Plant Associations of Aphid Species (Aphididae) in the Garden of University of Peradeniya, Sri Lanka <i>Dilanka L. B. T. and Jayasinghe W. H.</i>
Session Break			
3.45 p.m. – 3.55 p.m.	OP 09	20	Yield and Soil Fertility in a Paddy Cultivated Vertisol Amended with Rice Husk Biochar or Compost <i>Lewkebandara H.G., Manamperi N. P., Gunawardhana D., Munasinghe T. and Dharmakeerthi R. S.</i>
3.55 p.m. – 4.05 p.m.	OP 10	19	Classification of Cinnamon (<i>Cinnamomum verum</i>) Leaf Diseases and Pests Using Transfer Learning <i>Senanayake M. M. V. and De Silva N. M. T.</i>
4.05 p.m. – 4.15 p.m.	OP 11	103	Impact of Hardness of Irrigation Water on Growth and Yield of Gherkin (<i>Cucumis sativus</i> L.) <i>Piyumal M. D. R., Wijesuriya W. M. H. H., Kumarasinghe H. K. M. S. and Sampath K. H. H. U.</i>
4.15 p.m. – 4.25 p.m.	OP 12	58	Evaluating the Potential of Biogenic Hydrolysates to Enhance Lettuce (<i>Lactuca sativa</i> L.) Productivity and Soil Health <i>Karunarathne J.M.G.M.T., Fernando D H.M.L., Wang L., Weeraratna E.K.W.W. and Kandegama W.M.W.W.</i>

Theme: High-Tech Agricultural Production (HTA)			
Parallel Session 2			
Time: 11.45 a.m. - 4.15 p.m.		Venue: Session Room A2	
Session Chair: Prof. A. Nugawela			
Session Coordinator: Ms. J.K.W.N. Subashini			
Panel Members: Prof. D.C. Abeysinghe Prof. (Ms.) N.S. Kottearachchi, Prof. Yawen Dong			
Time	OP No	Abstract ID	Title
11.45 a.m. – 11.55 a.m.	OP 13	156	Utilising UAV-based Vegetation Indices to Predict SPAD Values in Paddy Rice Fields <i>Fonseka C. L. I. S., Hewagamagea K. P., Rathnayake U., Halloluwa T. and Bandara R. M. U. S.</i>
11.55 a.m. – 12.05 p.m.	OP 14	31	An Automated Ripeness and Surface Defect Detection System for Pineapple <i>Weragoda W. G. D. R. S. and Gonagala K. B.</i>
12.05 p.m. – 12.15 p.m.	OP 15	180	Design, Synthesis, Biological Activity and Mechanism Study of 1,3,4-Oxadiazole Sulfonamide Derivatives <i>Ren X., Ruan R., Wang F., Zhou X. and Jin L.</i>
12.15 p.m. – 12.25 p.m.	OP 16	166	Effects of Various Growing Media and Harvesting Periods on Yield and Quality Parameters of Mustard (<i>Brassica juncea</i>) Microgreens <i>Samarakoon D. M. A. D., Ranasinghe A., Herath U. S. and Egodawatta W. C. P.</i>
Session Break			
2.15 p.m. – 2.25 p.m.	OP 17	147	<i>In vitro</i> Propagation of <i>Flueggea leucopyrus</i> (<i>Katupila</i>) through Nodal Cultures <i>Prasadini W. G. D., Madushani W. G. I. and Fonseka D. L. C. K.</i>
2.25 p.m. – 2.35 p.m.	OP 18	162	Effectiveness of Organomineral Nutrient Sources: Biosolids and Sugarcane Filter Cake on Okra Production and Physicochemical Properties of Sandy Regosols <i>Kosgallane M. P. and Premanandarajah P.</i>
2.35 p.m. – 2.45 p.m.	OP 19	228	Impact of Silicon Application on Yield and Quality of Salad Cucumber (<i>Cucumis sativus</i> L.) under Protected Culture <i>Wimalasiri E.M., Kodikara K.M.S. and Prasadi B.A.D.</i>

2.45 p.m. – 2.55 p.m.	OP 20	33	Nutrient Budgeting for Cashew Plantations in Sri Lanka: Addressing Yield Gaps through Optimised Nutrient Supply <i>Guruge K.C., Herath H.M.I K. and Herath H.M.S.P.</i>
Session Break			
3.45 p.m. – 3.55 p.m.	OP 21	177	Evaluating the Effectiveness of a Compound Fertiliser on Grain Yield of Paddy Cultivated in Dry Zone of Sri Lanka <i>Vibhushana W.G.C., Kulasiri A.H. and Gamage D.N.V.</i>
3.55 p.m. – 4.05 p.m.	OP 22	63	Determining the Growth and Yield Performance of Seasonal Crops Cultivated Using Fish Hydrolysate Liquid Fertiliser <i>Kandegama W. M. W. W., Karunarathne J. M. G. M. T., Weeraratna E. K. W. W., Chen W., Weerakkody G. K. and Dasanayake A. D. S. L.</i>
4.05 p.m. – 4.15 p.m.	OP 23	142	Design, Synthesis, Biological Activity and Mechanism of Action of Streptochlorin Derivatives <i>Duan F. and Zhang M.</i>

Theme: Varietal Innovations and Seeds (VIS)			
Time: 11.15 a.m. -4.15 p.m.		Venue: Session Room B	
Session Chair: Prof. D.P.S.T.G. Attanayaka			
Session Coordinators: Dr. (Ms.) P.S. Warakagoda			
Panel Members: Dr. S.K. Wasala Dr. D.S. De Zoysa Abeysiriwardena			
Time	OP No	Abstract ID	Title
11.45 a.m. – 11.55 a.m.	OP 01	18	An Indel in the Promoter of CsFGT Determines Quercetin Tri-glycoside Content in Different Germplasm of Camellia sinensis Zhang W., Fang Z., Zheng X., Ye J. and Lu J.
11.55 a.m. – 12.05 p.m.	OP 02	22	Establishment of Virus-induced Gene Silencing System in Tea Plant and Its Application in Gene Function Exploration Chi N., Zheng X., Zhao D., Liang Y. R. and Lu J.
12.05 p.m. – 12.15 p.m.	OP 03	24	The CsLHCB1.1 is Responsible for Temperature Sensitivity and Leaf Color Phenotype in Albino Tea Plant Ye J. J., Lu J. L., Liang Y. R. and Zheng X. Q.
12.15 p.m. – 12.25 p.m.	OP 04	25	Physiological Response Mechanisms of the Tea Plant (Camellia sinensis L.) under Drought Stress Zhang X. H., Huang L. Y., Lu J. L., Liang Y. R. and Zheng X. Q.
Session Break			
2.15 p.m. – 2.25 p.m.	OP 05	32	Characterization and Evaluation of Brinjal (Solanum melongena L.) Germplasm for Yield, Quality, and Resistance to Bacterial Wilt Premadasa A. G. S. K., Pathirana M. G. S. P., Kusalani T. L. C. N., Herath H. M. S. N. and Jayaprada N. V. T.
2.25 p.m. – 2.35 p.m.	OP 06	55	Potential of Callus Induction and Plant Regeneration of Ugandan Rice Genotypes through Anther Culture Buttibwa M., Eyokia M., Baguma J. K., Wagaba H., Lamo J. and Tugume A.
2.35 p.m. – 2.45 p.m.	OP 07	149	Micropropagation of Banana (Musa Spp.) using Nanoparticles: A Sustainable Approach for Clonal Propagation Anasooya R., Thiruchchelvan N. and Mikunthan G.
2.45 p.m. – 2.55 p.m.	OP 08	167	Detection of Rice Blast Resistance Genes in Attakkari Rice Cultivar Kishanthan A., Terensan S., Gajapathy K. and Ponnegipprenthiraraja A.

2.55 p.m.- 3.05 p.m.	OP 09	181	Exploring Nucleotide Variants Related to Salt Tolerance Mechanisms in Two Different <i>Indica</i> Rice Varieties Kumarasiri L. P. M., Pathirana R. P. P. S., Amath S. M. and Kottearachchi N. S.
3.05 p.m.- 3.15 p.m.	OP 10	185	Unravelling the Mystery of Grain Filling: A Molecular Approach for Manipulation of Yield Enhancement in Rice for Boosting Farmers' Economy <i>Kariali E.</i>
Session Break			
3.45 p.m. – 3.55 p.m.	OP 11	203	Cryo-EM Reveals Eukaryotic CIII Subunit Dynamics and Catalytic Efficiency <i>Chen Q., Lin H. and Ye Y.</i>
3.55 p.m.- 4.05 p.m.	OP 12	231	Optimal Planting Density for Sustainable Cashew (<i>Anacardium occidentale L.</i>) Production in the Dry Zone (DL3) of Sri Lanka <i>Jayawardana H. M. A. S., Wijetunge P. M. A. P. K., Liyanarachchi H. L. A. N. T., Jayasekara S. J. B. A., Attanayaka D. P. S. T. G., Abeysinghe D. C. and Wijesuriya W.</i>
4.05 p.m.- 5.15 p.m.	OP 13	263	Exploring the Binding Interactions of Potential Bioactive Agents in <i>Aegle marmelos</i> Against Leishmania: A Molecular Docking and ADME-Tox Study <i>Kaviththira P. and Fernando T. D.</i>
3.55 p.m. – 4.05 p.m.	OP 14	281	Response of Interploidy Crosses on Seed Formation and Ploidy Levels of Progeny in Citrus <i>Song K. J., Oh E. U. and Han S.</i>
4.05 p.m. – 4.15 p.m.	OP 15	283	Insights into DNA Barcoding and RNA Secondary Structure Predictions: Probing Genetic Discrimination among Wild and Cultivated Species of Various Horticultural Crops <i>Sahoo M. R.</i>

Theme: Innovative Food Processing Technologies (IFP)			
Parallel Session: Session 1			
Time: 11.15 a.m.-4.25 p.m.		Venue: Session Room C1	
Session Chair: Prof. Ananda Chandrasekera			
Session Coordinator: Dr. (Ms.) K.M.G.K. Pamunuwa			
Panel Members: Dr. K.H. Sarananda Dr. (Ms.) W.A.H. Champa			
Time	OP No	Abstract ID	Title
11.45 a.m. – 11.55 a.m.	OP 01	5	Fractionation of Polysaccharides from Brown Seaweeds (<i>Sargassum</i>) Species in Sri Lanka and Evaluation of Antioxidant Activity <i>Nimesha H.J.R., Awanthi M.G.G. and Jayasinghe P.S.</i>
11.55 a.m. – 12.05 p.m.	OP 02	107	Characterization of Chemically and Physically Modified Cassava Starch and Their Applications in Food Models <i>Dissanayake D. M. P. K. G. N. D., Ranathunga R. A. A., Perumpuli P. A. B. N. and Hennayake H. M. N. D. B.</i>
12.05 p.m. – 12.15 p.m.	OP 03	23	Suitability Evaluation of Different Tea Cultivars (<i>Camellia sinensis</i> (L.) Kuntze) for Manufacturing Pingyang Huangtang <i>Wu S., Hu S., Zheng, X., Liang, Y. and Lu J.</i>
12.15 p.m. – 12.25 p.m.	OP 04	226	Physicochemical Characterization of a Goat Milk-Cow Milk Blended Yoghurt Supplemented with Probiotics and Coconut (<i>Cocos nucifera</i>) Treacle During Refrigerated Storage <i>Herath H. M. S. W. K. and Rasika D. M. D.</i>
Session Break			
2.15 p.m. – 2.25 p.m.	OP 05	10	Quality Parameters of Dietary Fibre Concentrates Obtained from Coconut Kernel Residue, Banana Peels and Pineapple Peels <i>Kularathna E. N. T., Bandara, B. G. R. R., Fernando G. S. N. and Yalgama, L. L. W. C.</i>
2.25 p.m. – 2.35 p.m.	OP 06	171	Application of Modified Tapioca Starch as a Binder in the Development of Gluten-Free Chicken Meatballs <i>Indumini M.V.C., Gunaratne A. and Gunathilaka L.A.C.</i>

2.35 p.m. – 2.45 p.m.	OP 07	29	Formulation and Clinical Evaluation of a Herbal Tea with Hypotensive Benefits Using <i>Rauvolfia serpentine</i>, <i>Crateva adansonii</i> and <i>Terminalia arjuna</i> as Key Ingredients <i>Rangika R. N., Bokanda B. W. G. V. V., Bandara K. M. N. P. K., Darvin S. S., Karunarathne M. D. K. and Wimalakeerthi W. M. B.</i>
2.45 p.m. – 2.55 p.m.	OP 08	40	Physicochemical, Techno-Functional and Antioxidant Properties of Palmyrah (<i>Borassus flabellifer</i> L.) Tuber Flour and Wheat (<i>Triticum aestivum</i>) Flour Blends and Their Applicability in Pizza Base <i>Akshana R. S., Balakrishna P., Robika K., Sajiwanie J. W. A. and Srivijeindran S.</i>
Session Break			
3.45 p.m. – 3.55 p.m.	OP 09	41	Development of Fish Burger Patty from Silver Carp (<i>Hypophthalmichthys molitrix</i>) and Evaluate Its Quality Parameters <i>Ranasinghe B.G.R.T., Samuja R.G., Fernando G.S.N. and Rathnapala J.M.S.N.</i>
3.55 p.m. – 4.05 p.m.	OP 10	117	Exploring the Influence of Selected Sri Lankan Sweet Potato Cultivars and Frying Techniques on the Development of Sweet Potato Kenpi <i>Thudugala P. K., Perumpuli P. A. B. N. and Fernando H. R. P.</i>
4.05 p.m. – 4.15 p.m.	OP 11	127	Optimization of Fermentation Time to Enhance Antioxidant Activity, Flavonoid Content, and pH of a Beverage Developed Using <i>Coffea arabica</i> Seed and Pulp Powder <i>Abijah P. and Hettiarachchi H. A. P. W.</i>
4.15 p.m. – 4.25 p.m.	OP 22	45	Evaluation of Bacteriocin Production from <i>Lactococcus</i> sp. and Their Potential as Biopreservatives <i>Gupta C.</i>

Theme: Innovative Food Processing Technologies (IFP)			
Parallel Session: Session 2			
Time: 11.45 a.m.-4.15 p.m.		Venue: Session Room C2	
Session Chair: Prof. K.D.P.P. Gunathilaka			
Session Coordinator: Dr. (Ms.) R.H.M.K. Rathnayake			
Panel Members: Dr. (Ms.) K.M. Rathnayake Dr. (Ms.) Piumi De A. Abeysundara			
Time	OP No	Abstract ID	Title
11.45 a.m. – 11.55 a.m.	OP 12	259	Anti-Inflammatory and Antioxidant Activity of <i>Agaricus bisporus</i> and <i>Lentinula edodes</i>, Two Edible Mushrooms Cultivated in Sri Lanka <i>Pabasara G. V. S., Fernando M. D. M. and Abeysekera W. K. S. M.</i>
11.55 a.m. – 12.05 p.m.	OP 13	172	Enhancing Flavour and Nutritional Value of Mandarin (<i>Citrus nobilis</i>) Jelly Using Natural Pectin and Rambutan (<i>Nephelium lappaceum</i> L.) Flakes <i>Samaranayake K. G. D., Liyanage G. L. R. P. and Senarathne S. M. A. C. U.</i>
12.05 p.m. – 12.15 p.m.	OP 14	182	Efficacy of Wax Coatings in Extending the Storage Life and Postharvest Quality Management in ‘Tom EJC’ Mangoes in Sri Lanka <i>Muthumal T. G. M., Jayarathne D. G. D. D. S., Dissanayake P. K., Sewwandi D. D. P., Ekman J., Tan D. K. Y. and Hewajulige I. G. N.</i>
12.15 p.m. – 12.25 p.m.	OP 15	246	Antioxidant Potential of Underutilized Flours: A Comparative Analysis with Refined Wheat Flour <i>Nirmanani N. S., Jayathilake C., Liyanage R., Wickamasinghe I. and Jayasinghe M. A.</i>
Session Break			
2.15 p.m. – 2.25 p.m.	OP 16	201	Effect of Probiotics and Coconut Treacle on Microbial and Organoleptic Properties of Yoghurt Made from Cow and Goat Milk Blend <i>Tissera W. M. W. and Rasika D. M. D.</i>
2.25 p.m. – 2.35 p.m.	OP 17	145	Effects of Concentration and Processing Conditions on the Stability of <i>Bacopa monnieri</i> and Virgin Coconut Oil-in-Water Emulsion <i>Binduhewa A. M. C. U., Ranasinghe P. and Godakumbura P. I.</i>

2.35 p.m. – 2.45 p.m.	OP 18	8	Evaluating the Feasibility of Iron Fortification into the Rice Grains through Parboiling Process <i>Gunathilaka M. D. K. A., Herath H. M. T. and Fernando G. S. N.</i>
2.45 p.m. – 2.55 p.m.	OP 19	184	Effect of Oil Extraction on Proximate Composition of Sesame Seeds of Two Varieties: <i>Uma</i> and ANKSE3 <i>Sazna M. F. F., Fahmidha H. F., Madujith T. and Marikkar J. M. N.</i>
Session Break			
3.45 p.m. – 3.55 p.m.	OP 20	260	Development of Butterfly Pea Flower-Enriched Cosmetic Formulation for Industrial Application <i>Weerasiri K. P. A. K., Liyanaarachchi G. D. and Kottearachchi N. S.</i>
3.55 p.m. – 4.05 p.m.	OP 21	230	Development and Evaluation of a Dairy-Based Ready-to-Serve Beverage Supplemented with Probiotics and Blue Pea Flower (<i>Clitoria ternatea</i>) Extract <i>Weerasekara N. P. M. S. and Rasika D. M. D.</i>
4.05 p.m. – 4.15 p.m.	OP 23	91	Formulation and Development of an Alcoholic Tea Beverage Using Tea Leaves (<i>Camellia sinensis</i> L.) <i>Wijewickrama H. A. S., Kaushalya K. C., Premachandra E. G. S. M., Wijewardhana U. S. and Jeewanthi P. B. D.</i>

Theme: Microorganisms in Agro-Industry and Environment (MAE)			
Parallel Sessions: Session 1			
Time: 11.45 a.m.-2.55 p.m.		Venue: Session Room D1	
Session Chair: Prof. W.J.S.K. Weerakkody			
Session Coordinator: Prof. (Ms.) B.L.W.K. Balasooriya			
Panel Members: Dr. Priyanga Dissanayaka Dr. Kosala Sirisena Prof. Zhenyu Wang			
Time	OP No	Abstract ID	Title
11.45 a.m. – 11.55 a.m.	OP 01	256	Biological Management of Basal Rot of Onion by Soil Amendment with <i>Sisymbrium irio</i> and <i>Trichoderma</i> Species <i>Javaid A., Akhtar R. and Shoaib A.</i>
11.55 a.m. – 12.05 p.m.	OP 02	109	Detection of Common Virus Diseases of Passionfruit (<i>Passiflora edulis</i>) in Colombo and Kalutara Districts in Sri Lanka <i>Jayarathne D.G.D., Basnayake B.M.V.S., Tharindi P.W.M., Aluthge A.D.R.P. and Dissanayake M.L.M.C.</i>
12.05 p.m. – 12.15 p.m.	OP 03	50	Isolation, Detection and Antibiotic Sensitivity of <i>Listeria monocytogenes</i> in Pasteurized Milk Collected from Colombo District, Sri Lanka <i>Shanu M. S. F., Thalpavila T. S., Silva D. A. D. V. and Wijendra W. A. S.</i>
12.25 p.m. – 12.35 p.m.	OP 05	108	<i>Trichoderma virens</i> as an Effective Biological Control Agent Against <i>Rigidoporus microporus</i> , the Causative Agent of White Root Disease in Rubber (<i>Hevea brasiliensis</i>) Plantations <i>Fernando T. H. P. S. and Aberathne A. H. M. N. R.</i>
Session Break			
2.15 p.m. – 2.25 p.m.	OP 06	136	Properties and Potentials of Mycelium-Based Composites Developed by <i>Pleurotus ostreatus</i> and, <i>Schizophyllum</i> sp., on Textile Wastes for Bio-based Packaging <i>Tharaka K. S. and Athukorala A. D. S. N. P.</i>
2.25 p.m. – 2.35 p.m.	OP 07	227	Potential of Cyanobacteria Species for Biodegradation of Synthetic Azo Dyes in Textile Industry <i>Ramodya M.P.S.K., Rathnayake R. and Kumara K.L.W.</i>

2.35 p.m. – 2.45 p.m.	OP 08	251	Seasonal Variation of Microbial Community in Paddy Fields Under Organic and Conventional Farming: A Case Study from Sri Lanka <i>Premachandra M. V. N., Boyagoda S. H., Gunaratne A. M. T. A., Abeyesundara H. T. K., Madawala H. M. S. P. and Nanayakkara B. S.</i>
2.45 p.m.- 2.55 p.m.	OP 09	255	Antibacterial Activity of Pomelo (<i>Citrus maxima</i>) Peel Extracts Against Fish Pathogenic Bacteria, <i>Vibrio parahaemolyticus</i> and <i>Pseudomonas aeruginosa</i> <i>Galappaththi S. V., Costa A. M. K. C. J. and Rathnapala J. M. S. N.</i>

Theme: Microorganisms in Agro-Industry and Environment (MAE)			
Parallel Session: Session 2			
Time: 11.45 a.m.-3.05 p.m.		Venue: Session Room D2	
Session Chair: Prof. Chamari M. Hettiararchchi			
Session Coordinator: Dr. M.J.M.S. Kurera			
Panel Members: Prof. (Ms.) Warshi S. Dandeniya Dr. (Ms.) M.A. Poorna Piyathilaka			
Time	OP No	Abstract ID	Title
11.45 p.m. – 11.55 p.m.	OP 10	163	Antimicrobial and Weedicidal Potential of Crude Acetone Extracts of Selected Lichen Species in Sri Lanka <i>De Silva A. C. L., Athukorala A. D. S. N. P. and Gunawardana W. G. D. I.</i>
11.55 a.m. – 12.05 p.m.	OP 11	48	Characterization of Antimicrobial Lipophilic Constituents in Wild <i>Pleurotus ostreatus</i> from Murree Hills, Pakistan <i>Asif U., Akbar M. and Khalil T.</i>
12.05 p.m. – 12.15 p.m.	OP 12	264	Effect of <i>Trichoderma</i> sp. For the Management of Banana Anthracnose Caused by <i>Colletotrichum musae</i> <i>Madhushani D. R. I., Ferdinand J. J. M. N. and Rienzie K. D. R. C.</i>
12.15 p.m. – 12.25 p.m.	OP 13	196	Arbuscular Mycorrhizal Fungi Drive Mulberry Root Nitrogen Uptake via Soil Microbial Mechanisms <i>Wu Z. and Zhang H.</i>
Session Break			
2.15 p.m. – 2.25 p.m.	OP 14	253	Isolation and Identification of Native Entomopathogenic Fungi from Mycotic Insect Cadavers <i>Gunasekara M. S., Bamunuarachchige T. C., Hettiarachchi D. K., and Wijayawardene N. N.</i>
2.25 p.m. – 2.35 p.m.	OP 15	130	Isolation, Identification and Characterization of <i>Microalgae Chlorella</i> sp. From Palm Oil Mill Effluent (POME) Ponds for Biotreatment of Wastewater <i>Indumini U. A. R., Balasooriya B. L. W. K., Bandara N. G. C. A. and Rathnayake R. M. D.</i>

2.35 p.m. – 2.45 p.m.	OP 16	134	Effects of Autoclaved Aerated Concrete (AAC) on N₂O Emissions from Paddy Soil Under Laboratory Aerobic Conditions <i>Rathnayake N. R. R. W. S., Leelamanie D. A. L. and Liyanage T. D. P.</i>
2.45 p.m.- 2.55 p.m.	OP 17	254	Evaluating <i>Bacillus subtilis</i> and <i>Trichoderma</i> sp. As Biological Control Agents for Controlling Post-Harvest Rhizopus Rot in Tomato <i>Ferdinand J. J. M. N., Madhushani D. R. I. and Rienzie K. D. R. C.</i>
2.55 p.m.- 3.05 p.m.	OP 04	97	Biological Characteristics of <i>Alternaria alternata</i> Strain JM and the Potential as a Biocontrol Agent for <i>Descurainia Sophia</i> <i>Li J. Y., Sun X. Y., Jiang B., Lyu Q. H., Liu G. P., Bai S. and Li L. X.</i>

Theme: Aesthetic Agriculture and Environment (AAE)			
Time: 11.45 a.m.-4.35 p.m.		Venue: Session Room E	
Session Chair: Prof. K. Yakandawala			
Session Coordinator: Ms. R.M.B.A. Bandara			
Panel Members: Dr. (Ms.) Achala Attanayake Prof. (Ms.) Janakie P. Eeswara Prof. Ming-Zhi Zhang			
Time	OP No	Abstract ID	Title
11.45 a.m. – 11.55 a.m.	OP 01	11	Performance Evaluation of Marigold (<i>Tagetes erecta</i> L.) Varieties for Yield-related Parameters <i>Attanayake A.M.A.S., Eeswara J.P. and Kumari S.S.</i>
11.55 a.m. – 12.05 p.m.	OP 02	7	A GIS-based Analysis of the Coral Reef Ecosystems in Sri Lanka <i>Madhubhashini E. T. S.</i>
12.05 p.m. – 12.15 p.m.	OP 03	30	Efficacy of Selected Botanicals against Aphid (<i>Myzus persicae</i>) in Laboratory Conditions <i>Thalagala T. D. V. and Hemachandra K. S.</i>
12.15 p.m. – 12.25 p.m.	OP 04	43	Allelopathic Potential of Dryland Plant Extracts Combined with Reduced Herbicide Dose as Pre-emergence Application against Purple Nutsedge (<i>Cyperus rotundus</i> L.) <i>Iqbal J., Aimen S., Aziz A. and Javaid M. H.</i>
Session Break			
2.15 p.m.- 2.25 p.m.	OP 05	52	Application of Soft Computing Techniques for Soil Salinity Estimation in Native Paddy Cultivation of Sri Lanka <i>Premathilake K. C. M. C. and Premarathne U. S.</i>
2.25 p.m.- 2.35 p.m.	OP 06	92	Chemical Nutrient Status of Soils in Different Drainage Blocks in Research Farm at Puliyankulama, Anuradhapura <i>Silva M. D. S. and Duminda D. M. S.</i>
2.35 p.m. – 2.45 p.m.	OP 07	94	Assessing Bird Biodiversity and Ecological Significance across Anthropogenic Landscapes in the <i>Mathatilla</i> River Valley, Sri Lanka <i>Chathuranga H. N., Senanayake F. R., Sankalana K. M. V., Chandana M. K. L. and De Zoysa D.</i>
2.25 p.m. – 2.35 p.m.	OP 08	165	Enhancing Okra (<i>Abelmoschus esculentus</i> L.) Production through a Pollinator Habitat <i>Kusumsiri W. B. U., Yakandawala K., Wijetunga A. D. M. A. K. and Herath H. M. D. N.</i>

2.35 p.m. – 2.45 p.m.	OP 09	173	Phytochemical Profiling and Antibacterial Activity of Essential Oil of <i>Dombeya spectabilis</i> Leaves from Pakistan <i>Ferdosi M. F. H. and Javaid A.</i>
2.45 p.m. – 2.55 p.m.	OP 10	175	Predicting Climate Change Impact on <i>Lagenandra praetermissa</i> Distribution <i>Madola I., Yakandawala K., Karunarathne S. B. and Yakandawala D. M. D.</i>
Session Break			
3.45 p.m. – 3.55 p.m.	OP 11	190	Evaluation of Phenol Content and Development of Herbal Sunscreen Formulations using <i>Thespesia populnea</i> (L.) Sol. ex Corrêa, <i>Cascabela thevetia</i> (L.) Lippold and <i>Abutilon indicum</i> (L.) Sweet <i>Nifla M. R. F. and Manoranjan T.</i>
3.55 p.m. – 4.05 p.m.	OP 12	207	Potential Agrochemical Pollution in Selected Dry Zone Reservoirs in Sri Lanka <i>Lakchani D. T., Jayasinghe U. A. D., Maithreepala R. A. and Ulrich U.</i>
4.05 p.m. – 4.15 p.m.	OP 13	222	Characterization of Aromatic, Morphological, and Genetic Diversity in Mexican Mint (<i>Plectranthus amboinicus</i>) for Sustainable Fragrance and Medicinal Applications <i>Anushika C. M., Terensan S. and Gajapathy K.</i>
4.15 p.m.- 4.25 p.m.	OP 14	223	Morphological and Molecular Analysis of Ant Mouthparts to Explore Functional and Evolutionary Adaptations <i>Sulakshana T., Terensan S. and Gajapathy K.</i>
4.25 p.m.- 4.35 p.m.	OP 15	233	Effectiveness of Insecticides for the Control of Cashew Stem and Root Borer (<i>Plocaederus ferrugineus</i> L.) <i>Jayawardana H. M. A. S., Wijetunge P. M. A. P. K., Liyanarachchi H. L. A. N. T., Ranaweera B. and Wijesuriya W.</i>

Theme: Animal Production Systems and Industry Trends (APS)			
Parallel Sessions: Session 1			
Time: 11.45 a.m.-3.05 p.m.		Venue: Session Room F1	
Session Chair: Prof. Dileepa De. Croos			
Session Coordinators: Dr. H.K.J.P. Wickramasinghe Dr. (Ms.) W.A.S. Lakmali			
Panel Members: Prof. R.G.S. Wijesekara Dr. (Ms.) H.N.N. Dilrukshi			
Time	OP No	Abstract ID	Title
11.45 a.m. – 11.55 a.m.	OP 01	75	Cool Wrap Technology for Milk Canisters: Preserving Raw Milk Microbial Quality during Transportation by Smallholder Dairy Farmers in Sri Lanka <i>Praveen C. and Kodithuwakku K. A. H. T.</i>
11.55 a.m. – 12.05 p.m.	OP 02	101	Optimizing Water Quality Stability, Fish Health and Survival in Aquaculture through Probiotic and Herbal Feed Additives <i>Lageeshan V., Pushpitha N. P. G. and Haakkil N. M.</i>
12.05 p.m. – 12.15 p.m.	OP 03	113	The Effect of Hen Age on Egg Weight, Hatching Performance, Length and Weight of Chicks <i>Perera P.H.K., Ranaweera A.L. and Atapattu N.S.B.M.</i>
12.15 p.m. – 12.25 p.m.	OP 04	118	Effects of Dried Seaweed Supplementation on Growth Performance and Gastrointestinal Development of Broiler Chicken in Sri Lanka <i>Tharushika W. A. P. D. and Kodithuwakku K. A. H. T.</i>
Session Break			
2.15 p.m. – 2.25 p.m.	OP 05	122	Roadside Forage Silage with Pineapple Peel: A Cost-Effective Strategy to Address Forage Shortages in Sri Lanka <i>Dissanayake K. G. V., Vithana H. M. T. O., Prathapasinghe G. A. and Kodithuwakku K. A. H. T.</i>
2.25 p.m. – 2.35 p.m.	OP 06	126	Provision of an Additional Dust Bath Area to Enhance the Welfare of Broiler Chickens <i>Abeyrathne K. M. N. I., Bandara R. M. A. S. and Senanayake M. P.</i>
2.35 p.m. – 2.45 p.m.	OP 07	179	Hatchery Performance, Embryonic Development and Chick Quality in Double Yolk Eggs of Layer Breeder Chickens <i>Moragoda M. A. H. S., Bandara R. M. A. S. and Mahindarathna J.</i>

2.45 p.m.- 2.55 p.m.	OP 08	187	The Impact of Broiler Breed Types on Breast Meat Quality Parameters <i>Wijerathna M. G. N. T., Gunaratne D. M. A. and Zoyza W. G. M.</i>
2.55 p.m.- 3.05 p.m.	OP 09	217	Effect of Eggshell Porosity for the Hatchery Performance with the Age of Cobb 500 Broiler Breeders <i>Hemarathna D. D. T. M., Munasinghe M. A. J. P., Sandaruwan L. and Kospalawaththe P.</i>

Theme: Animal Production Systems and Industry Trends (APS)			
Parallel Sessions: Session 2			
Time: 11.45 a.m.-2.55 p.m.		Venue: Session Room F2	
Session Chair: Dr. H.A.W.S. Gunathilake			
Session Coordinator: Mr. L.B. Dunsford			
Panel Members: Dr. (Ms.) A.G.S.S. Darshani Dr. K.K. Asanka Sanjeewa			
Time	OP No	Abstract ID	Title
11.45 a.m. – 11.55 a.m.	OP 10	220	Efficiency of Different Supportive Feeders on Training Broiler Chicks for Feeding in the Brooding Period <i>Premarathna E. G. S. D., Bandara R. M. A. S. and Welagedara D. G.</i>
11.55 a.m. – 12.05 p.m.	OP 11	232	Impact of <i>Azolla pinnata</i> (Azolla) Supplementation on Crossbred Jersey Heifer Calves Undergoing a Stepdown Early Weaning Scheme <i>Perera I. P. S. and Wickramasinghe H. K. J. P</i>
12.05 p.m. – 12.15 p.m.	OP 12	234	Assessment of Fatty Acid Profile and Antioxidant Properties of Sea Cucumber Obtained from Northern Coastal Areas of Sri Lanka <i>Athauda A. A. H. I., Shanuke D. S., Bandara W. M. M. D., Nishanthan G. and Rathnayake H. A.</i>
12.15 p.m. – 12.25 p.m.	OP 13	237	Impact of Free Access to Drinking Water on Starter Intake, Growth, and Health of Crossbred Jersey Heifer Calves Undergoing a Stepdown Early Weaning Transition <i>Perera O. N. M. and Wickramasinghe H. K. J. P.</i>
Session Break			
2.15 p.m. – 2.25 p.m.	OP 14	238	Impact of Age, Sex, Live Weight, Holding Time at Lairage on Carcass Yield and Water Holding Capacity in Cobb 500 Broilers <i>Hitige P.K., Munasinghe M A.J.P. and Ayona T.A.W.</i>
2.25 p.m. – 2.35 p.m.	OP 15	247	Exploring the Global Goat Milk Industry through Cluster Analysis: A Comprehensive Review for Uncovering Regional Insights <i>Rochelle E. J. S., Divarathna H. K. D. M. P. L., Kuruppu I. V. and Guruge T. P. S. R.</i>

2.35 p.m. – 2.45 p.m.	OP 16	279	Development of a Low-Cost Diagnostic Model for Early Mastitis Detection in Small-Scale Dairy Farms Using Milk Quality Parameters <i>Shaswin M.N.F., Perera D.S., Janaka Priyadarshana P.A.D., Chinthaka U.G.S. and Kodithuwakku K.A.H.T.</i>
2.45 p.m. – 2.55 p.m.	OP 17	280	Effect of Dried Seaweed Supplementation on Growth Performance and Hindgut Environment of Pre-Weaning Lambs <i>Fernando P. D. R., Samla M. R. F. and Kodithuwakku K. A. H. T.</i>

Theme: Agricultural & Resource Economics and Policy (ARE)			
Parallel Sessions: Session 1			
Time: 11.45 a.m.-4.25 p.m.		Venue: Session Room G1	
Session Chair: Prof. H.M.L.K. Herath			
Session Coordinator: Dr. (Ms.) J.M.M. Udugama			
Panel Members: Dr. Sanjaya Fernando Dr. W.A.I. Lakmal			
Time	OP No	Abstract ID	Title
11.45 a.m. – 11.55 a.m.	OP 01	21	Value Addition through Technological Innovation: KPIs as Catalysts for Growth in Sri Lanka’s Export-Oriented Plantation Sector <i>Fernando S. N. S., Abey Siriwardana P. C. and Jayasinghe-mudalige U. K.</i>
11.55 a.m. – 12.05 p.m.	OP 02	83	Uncovering the Economic Value of Green Spaces: A Land Valuation Study in Colombo District, Sri Lanka <i>Dissanayake D. M. W. S. H., Fernando W. A. M. and Edirisinghe J. C.</i>
12.05 p.m. – 12.15 p.m.	OP 03	17	Factors Influencing the Abandonment of Cinnamon Oil Distillation Units in Matara District, Sri Lanka: A Comprehensive Analysis <i>Jayasinghe S. M., Sandika A. L. and Widanapathirana C. U.</i>
12.15 p.m. – 12.25 p.m.	OP 04	68	Households’ Demand for Disaggregated Meat Products in Sri Lanka: A Censored Quadratic Almost Ideal Demand System Model <i>Musthifa B., Sivashankar S., Sooriyakumar K. and Sarujan S.</i>
Session Break			
2.15 p.m. – 2.25 p.m.	OP 05	57	Market Dynamics and Strategic Growth Opportunities in Sri Lanka's Floriculture Export Sector <i>Heenkenda H. M. K. A., Wanshaja K. A. D. P., Kuruppu I. V. and Guruge T. P. S. R.</i>
2.25 p.m. – 2.35 p.m.	OP 06	121	Assessing Climate Uncertainty in Coconut Farming: A Bayesian Ricardian Study on Sri Lanka’s Coconut Triangle <i>Wimalaweera G. N. I. and Edirisinghe J. C.</i>
2.35 p.m. – 2.45 p.m.	OP 07	93	An Assessment of Recent Temperature Trends in Nuwara Eliya, Sri Lanka <i>Siriwardana K. D. V. F.</i>

2.45 p.m. – 2.55 p.m.	OP 08	42	They need Flowers, not for Wreaths: Floriculture as a Therapeutic Tool for Enhancing Emotional Wellbeing of Older Female Adults with Mobility Restrictions <i>Tennakoon T. M. R. P. K.</i>
2.55 p.m. – 3.05 p.m.	OP 09	143	External Assistance and Government Expenditure for Building Climate Resilience and Adaptation: A Study of the Agriculture Sector in South-Asian Countries <i>Ahmad J.</i>
Session Break			
3.45 p.m. – 3.55 p.m.	OP 10	80	Production Efficiency of the Local Paddy Cultivation Under Valaichenai Agrarian Services Centre Area <i>Rimsath M., Sooriyakumar K., Sarujan S. and Sivashankar S.</i>
3.55 p.m. – 4.05 p.m.	OP 11	72	An Econometric Analysis of the Impact of Weather and Natural Disasters on Sri Lankan Spice Exports: A Gravity Model Approach <i>Senanayaka S. A. C. S. and Edirisinghe J. C.</i>
4.05 p.m. – 4.15 p.m.	OP 12	151	Expenditure on Health and Education and Their Impact on Efficiency of Agricultural Labourers: A Study of India and its Neighbouring Economies <i>Ahmad I, Qasim R, Faheem W, Imteyaz F. and Alam D.</i>
4.15 p.m. – 4.25 p.m.	OP 13	51	Effectiveness of the Five-Day Training Programme Conducted by National Cinnamon Research and Training Centre, Sri Lanka <i>Lanka K.N.S., Sandika A.L. and Widanapathirana C.U.</i>

Theme: Agricultural & Resource Economics and Policy (ARE)			
Parallel Sessions: Session 2			
Time: 11.45 a.m.-4.25 p.m.		Venue: Session Room G2	
Session Chair: Prof. P.P.A. Wasantha Athukorala			
Session Coordinator: Dr. (Ms.) T.P.S.R. Guruge			
Panel Members: Dr. Emil Uduwalage Dr. (Ms.) Wasanthi Wickramasinghe			
Time	OP No	Abstract ID	Title
11.45 a.m. – 11.55 a.m.	OP 14	105	Harnessing Value from Waste: Transforming the Banana Value Chain in Sri Lanka for Economic Growth and Sustainability <i>Wijemanne N. G. M. and Premaratna S. P.</i>
11.55 a.m. – 12.05 p.m.	OP 15	66	Local Communities’ Preferences and Willingness to Pay for Improving Tourist Facilities and Conservation of Ecosystem in Arugam Bay Lagoon, Sri Lanka <i>Misfa S. L. F., Sivashankar S., Sooriyakumar K. and Sarujan S.</i>
12.05 p.m. – 12.15 p.m.	OP 16	123	A Stochastic Meta-Frontier Analysis of Technical Efficiency and Technology Gaps in Asian Agriculture (1992-2021) <i>Madhumali S. D. D. M. and Edirisinghe J. C.</i>
12.15 p.m. – 12.25 p.m.	OP 17	65	Factors Influencing Farmer Adoption towards Organic Paddy Farming in Monaragala District <i>Thilakarathna J. M. I. A. and Wijesinghe A. G. K.</i>
Session Break			
2.15 p.m. – 2.25 p.m.	OP 18	170	Unlocking Livelihood Opportunities through Bee Honey Value Chain Development in Village Tank Cascade Systems of Rural Sri Lanka <i>Herath H. M. L. K., Kuruppu I. V., Ujana N., Bandara A. L. J. and Gurusinghe D. C.</i>
2.25 p.m. – 2.35 p.m.	OP 19	81	Assessing the Impact of Subsidy Loans from Rotary Club on Paddy Farmers Productivity in Kilinochchi <i>Ratheeban P., Sooriyakumar K., Sarujan S. and Sivashankar S.</i>
2.35 p.m. – 2.45 p.m.	OP 20	128	Exploring Farmer Preferences for Watershed Conservation: A Case Study of Bargi Dam, India <i>Seelanatha S S.K.T., Thangavel M. and Udugama J.M.M.</i>

2.45 p.m. – 2.55 p.m.	OP 21	236	An Assessment of Food Security among Undergraduates in Sri Lankan State Universities during the Economic Crisis <i>Weerasinghe W. M. H., Lakshani H. I., Ihlal M. A. M. and Sasanka U. B. E.</i>
2.55 p.m. – 3.05 p.m.	OP 22	282	The Recent Trends of Tea Research and Industry in Korea <i>Song K. J., Kim S. J. and Hong H. R.</i>
Session Break			
3.45 p.m. – 3.55 p.m.	OP 23	37	Impact of Fertiliser Policy Implemented in 2021 on Rice Production in the South Coastal Region of the Ampara District, Sri Lanka <i>Disanayaka D. M. P. S., Bandara A. M. A. C. and Razmy A. M.</i>
3.55 p.m. – 4.05 p.m.	OP 24	61	Surfacing R&D in the Legislative Process: An Ethnomethodological Analysis of the Journal of Proceedings of a City Government's Committee Hearing on an Agricultural Ordinance <i>Claus J. A. P.</i>
4.05 p.m. – 4.15 p.m.	OP 25	76	Why Does Entrepreneurship Remain a Challenge? Insights From Farmers in the Ratnapura District, Sri Lanka <i>Rathnachandra S. D. D., Malkanthi S. H. P., Esham M. and Samaraweera G. R. S. R. C.</i>
4.15 p.m. – 4.25 p.m.	OP 26	79	Global Energy Transition Towards a Sustainable Future: A Comprehensive Review of Renewable Technologies, Innovations, and Policy Frameworks for Sustainable Energy Demand <i>Jayathilaka M. A. D. K., Ukwatte T. S. and Jayasinghe G. Y.</i>