



**Sabaragamuwa University of Sri Lanka**



## **Programme Book**

# **AgInsight 2022**

**4<sup>th</sup> International Conference of Agricultural Sciences**

Faculty of Agricultural Sciences  
Sabaragamuwa University of Sri Lanka

***“Empowering Research for Innovative and Sustainable Agriculture”***



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## **Programme**

### **Day 1: January 26, 2022**

#### **Inaugural Ceremony**

#### **Plenary Sessions**

Agribusiness Management (ABM)

Livestock Production (LP)

### **Day 2: January 27, 2022**

#### **Technical Sessions:**

##### **Professional Forum (PF)**

**Agribusiness and Agricultural Economics (AB)**

**Agriculture and Agri-environment (AE)**

**Livestock and Aquaculture (LA)**

##### **Student Forum (SF)**

## **Venues**

### **Inaugural Ceremony**

Auditorium- Faculty of Agricultural Sciences, Sabaragamuwa University of Sri Lanka

### **Plenary Sessions**

ABM: Room 1 (R-1)

LP: Room 4 (R-4)

### **Technical Sessions**

AB: Room 1 (R-1)

EA: Room 2 (R-2)

LA & SF: Room 3 (R-3)

AB & SF: Room 4 (R-4)

## Summary Programme

### Day 1 (January 26, 2022)

#### Inaugural Ceremony

**Venue:** Auditorium, Faculty of Agricultural Sciences, Sabaragamuwa University of Sri Lanka

**Zoom Link:**

<https://learn.zoom.us/j/65724256289?pwd=NIFecUJ5Q2RJNFJJalRLVHltSkhGdz09>

**Meeting ID:** 657 2425 6289

**Passcode:** AgIns@2.30

#### Agenda:

2.00pm-2.30pm	Registration
2.30pm-3.00pm	Arrival of Distinguished Guests
3.00pm-3.10pm	Lighting of the Traditional Oil Lamp
3.10pm-3.20pm	National Anthem
3.20pm-3.30pm	Welcome Address by Prof. RK Mutucumarana, Conference Chair, AgInsight 2022
3.30pm-3.40pm	Address by Prof. PMAS Karunaratne, Dean, Faculty of Agricultural Sciences, SUSL
3.40pm-3.50pm	Address by Prof. RMUSK Rathnayake, Vice Chancellor, Sabaragamuwa University of Sri Lanka
3.50pm-4.15pm	Keynote Address by Prof. Andrea Cupp, Department of Animal Science, Institute of Agriculture and Natural Resources, University of Nebraska, USA.
4.15pm-4.25pm	Research Highlight Video
4.25pm-4.40pm	Address by the Guest of Honour Senior Prof. Chandana P. Udawatta,

	Vice Chairman, University Grants Commission, Sri Lanka
4.40pm-5.00pm	Address by the Chief Guest Senior Prof. Sampath Amaratunge, Chairman, University Grants Commission, Sri Lanka
5.00pm-5.10pm	Vote of Thanks by Dr. GEM Wimalasiri, Secretary, AgInsight 2022
5.10pm-5.15pm	University Song

## Day 1 (January 26, 2022)

### Plenary Sessions

**Venue:** Faculty of Agricultural Sciences, Sabaragamuwa University of Sri Lanka  
**Time:** 5.30pm-7.00pm

### Agribusiness Management

**Venue: R-1**

**Theme:** 'Resilience in Food Systems':

**Guest Speaker:** Prof. Champika Liyanage, Professor in Facilities Management, School of Engineering, University of Central Lancashire, Preston, Lancashire, UK

**Zoom Link:**

<https://learn.zoom.us/j/61676478659?pwd=eGFSU2pWbHNoVGZvWVNINVF4MVRxQT09>

**Meeting ID:** 616 7647 8659

**Passcode:** PlenAB@26

### Livestock Production

**Venue: R-4**

**Theme:** 'The Role of Nutrition in Sustainable Livestock Production'

**Guest Speaker:** Dr. Walter Samarasinghe, Managing Director, Super Feed (PVT) Ltd. Mawanella, Sri Lanka.

**Zoom Link:**

<https://learn.zoom.us/j/68185187588?pwd=anpYTFgySVdXKzV0NU0vZWw0eXZCZz09>

**Meeting ID:** 681 8518 7588

**Passcode:** PlenLP@26



## Day 2 (January 27, 2022)

### Technical Sessions

Time	Venue-R1	Venue-R2	Venue-R3	Venue-R4
8.00 AM-9.30 AM	AB-1	EA-1	LA-1	AB-2
9.30 AM-11.00 AM	AB-3	EA-2	LA-2	SF-1
11.15 AM-12.45 PM	AB-4	EA-3	LA-3	SF-2
1.45 PM-3.15 PM	AB-5	EA-4	SF-3	SF-4
3.15 PM-4.45 PM	AB-6	EA-5	SF-5	SF-6

*Programme: Technical Sessions*

**Theme: Agribusiness and Agricultural Economics  
(AB)**

*Date: January 27, 2022*

*(Online – R-1)*

**Zoom Session Link**

**Zoom Link -**

<https://learn.zoom.us/j/62157547224?pwd=YlVtYldYa2d5Z3NPenk5TktBTEV1Zz09>

**Meeting ID - 621 5754 7224**

**Passcode -AgInsig@R1**

## Technical Sessions (Oral Presentations)

### Forum: PF-AB

#### **Track: AB-1-Agricultural Economics**

**Time: 8.00 AM -9.30 AM**

**Chair:** Prof. M.G. Kularatne

**Rapporteur:** Prof. A.W. Wijeratne

**Coordinator:** Mr. I. C. Hettiarachchi

#### **Paper Details:**

Time	Paper ID	Title	Author/s
8.00am-8.10am	ID 16	Evaluation of impact of non-tariff measures on tea exports from Sri Lanka by gravity model	J.A.S.N.S. Jayakodi
8.10am-8.20am	ID 17	Paddy farmers' perception on banning of inorganic fertilizer: A case in Mapalana village in Sri Lanka	P.N.M.M. Wijerathna, D.M.M. Sandeepani, G.C. Samaraweera
8.20am-8.30am	ID 46	Sustainability of the women-led SMEs in the economic competition in Sri Lanka: Does financial literacy matter?	R.P.I.R. Prasanna, J.M.H.M.Upulwehera, E.M.S. Ekanayake, J.M.S.B. Jayasundara, P.S.K. Rajapakshe, P.S.R. Senadheera, S.K.N. Gamage

8.30am-8.40am	ID 47	Economic orientation of Egypt's cotton exports and imports	Ayman S.M. Abdel-Maguid, Ahmed Abd EL-Hafeez M., Mohamed A. Abo-Nahoul, Galal A. El-Sohgair
Q & A Session			

## Track: AB-3-Agricultural Marketing

**Time: 9.30 AM-11.00 AM**

**Chair:** Senior Prof. A. Mangala De Zoysa

**Rapporteur:** Prof. M. Esham

**Coordinator:** Ms. Sulochana Senevirathne

### Paper Details:

Time	Paper ID	Title	Author/s
9.30am-9.40am	ID 28	Consumer perception and willingness to pay for organic vegetables vs. non-organic vegetables: Insights from Gampaha district in Sri Lanka	S.M.M.D. Senarathna, A.G.K. Wijesinghe
9.40am-9.50am	ID 36	Revisiting the trends of Covid-19 pandemic to shape the export-oriented beverage sector in Sri Lanka	W.M.T.B Weddagala, D.A.M De Silva, R.K.C Jeewanthi, N.S.A Senarathne, W.B.C Wijayamunige
9.50am-10.00am	ID 84	Analysis of market participation among vegetable farmers in North-Central province, Sri Lanka	P.A.V.N.K. Perera, R.M.S.D. Rathnayaka, B.C.H. Maduwanthi
10.00am-10.10am	ID 102	Consumer choice of branded and unbranded edible oils: A case in Badulla region	A.P.H Sandamini, M.G.P.P.Mahindarathna, W.A.J.P. Wijesinghe, A.M.C. Amarakoon

10.10am- 10.20am	ID 121	Effect of socio-demographic factors on advertising appeals underpinning food choice behavior of young adults in Sri Lanka	D.R. Serasinghe, A. Jayaweera
10.20am- 10.30am	ID 145	Qualitative study on consumer willingness on value added flavored spice coffee	R.C. Prasad, G.A.A.R. Perera
Q & A Session			

## Track: AB-4-Agricultural Supply Chains and Value Chains

**Time: 11.15 AM-12.45 PM**

**Chair:** Prof. W. Nilantha De Silva

**Rapporteur:** Prof. D.A.M. De Silva

**Coordinator:** Ms. Chathuri Koralage

### Paper Details:

Time	Paper ID	Title	Author/s
11.15am-11.25am	ID 41	Consumer feedback in Ratnapura district related with the marketing mix theory to improve the present vegetables markets	G.A.S.A. Tennakoon, S. Aditto
11.25am-11.35am	ID 54	Dynamics of mango value chain	K.K.H.M. Rathnayake, D.A.M. De Silva
11.35am-11.45am	ID 123	Responses of rural agricultural households to COVID-19 pandemic: A case study on food security of rural farmers in Belihuloya, Sri Lanka	A.M.S.M.R.S.G.Bandara, D.A.M. De Silva, M. Esham, C.L. Liyanage, Andrew Carmichael
11.45am-11.55am	ID 129	An empirical study on the impact of declining coconut production in Sri Lanka on kernel-based export products and coconut oil production for the domestic market	G.D.M.D. Gamage, M.K.S.L.D.Amarathunga, A.M.C. Amarakoon, R.M.D.H. Rathnayaka, S. Samarawikrama

11.55am- 12.05pm	ID 151	Building resilient in cut flower value chains through managing postharvest losses	S.T. Hansika, G.A.H. Galahitigama, D.A.M. De Silva
12.05pm- 12.15pm	ID 103	Determinants of the Willingness to Use a Mobile Application for Market Participation by Fishers: A Case Study in Western Province Sri Lanka	L.C. Gule Godage, P.M. Korale-Gedara, U.I. Dissanayake
<b>Q &amp; A Session</b>			



## Track: AB-5-Food Business and Technology

**Time: 1.45 PM-3.15 PM**

**Chair:** Dr. (Ms.). K.M.V. Sachithra

**Rapporteur:** Dr. R.K.C Jeewanthi

**Coordinator:** Ms. S.T. Hansika

### Paper Details

Time	Paper ID	Title	Author/s
1.45pm-1.55pm	ID 44	Factors affecting the adoption of mechanization technologies in tea plantations: A systematic literature review	T.G.N. Mahinda, M. Esham, H.S.R. Rosairo
1.55pm-2.05pm	ID 63	Present status and future prospects of coconut kernel-based industries in Sri Lanka	G.V.N. Aiome, S.P. Fernando, I.V. Kuruppu, P.C.J. De Silva, S.M.A. Samarakoon
2.05pm-2.15pm	ID 65	Exploring the potential of colorants extracted from refuse green tea as a food applicant	S.P. Liyanage, V. P. Ellepola, E.A.L. Lochana, W.A.J.P. Wijesinghe
2.15pm-2.25pm	ID 114	Chitin extraction from shrimp shell waste using pineapple crude enzyme	M. Sukanya, B.V.T.T. Bolukandura, L.W.D. Bandara, K.H.I.K. Hewavitharana

2.25pm-2.35pm	ID 86	Contribution of home gardening for achieving food and nutrition security during covid-19 pandemic; Study on Gonapinuwala DS division	L.G.M. Prasangi, S.T.C. Amarasinghe, N.P.G. Samantha
2.35pm-2.45pm	ID 142	Factors influencing the adoption of productivity enhancement practices in pepper cultivation in Sri Lanka	S.F. Salma, K. Umashankar
Q & A Session			

## Track: AB-6-Agribusiness Management

**Time: 3.15 PM-4.45 PM**

**Chair:** Prof. Gangani Samaraweera

**Rapporteur:** Prof. S.H.P. Malkanthi

**Coordinator:** Ms. Kalani Kiriveldeniya

### Paper Details

Time	Paper ID	Title	Author/s
3.15pm-3.25pm	ID 45	Institutional support, readiness and relative perceptions in addressing sustainability challenge of agro-based SMEs in the competition: Evidence from Sri Lanka	J.M.H.M. Upulwehera, R.P.I.R. Prasanna, S.K.N. Gamage, E.M.S. Ekanayake, J.M.S.B. Jayasundara, P.S.K. Rajapakshe, G.A.K.N.J. Abeyrathne
3.25pm-3.35pm	ID 49	The diversity and dynamics of shifting cultivation in the dry-zone of Sri Lanka	A.A. Shantha, K.P.L. Patabandi, A.S. Ananda, H. Sunil Senavi
3.35pm-3.45pm	ID 127	Entrepreneurial orientation and farm business performance: The moderating role of farm diversification and farm and farmer characteristics of cinnamon farmers in Galle district	A.N.D. Mendis, M. Esham, B.S.M. De Silva

<b>3.45pm-3.55pm</b>	ID 137	Factors prompting in technology adoption of cashew farmers: Case of Eastern dry zone of Sri Lanka	K. Parththini, K. Umashankar
<b>3.55pm-4.05pm</b>	ID 147	The impact of ICT in large scale agricultural producers' productivity; evidences in Kandy district	E.B.M.N. Dilhani, E.R.M.S. Ekanayake
<b>Q &amp; A Session</b>			

## *Programme: Technical Sessions*

**Theme: Agriculture and Agri-environment (AE)**

*Date: January 27, 2022*

*(Online – R-2)*

### **Zoom Session Link**

**Zoom Link -**

<https://learn.zoom.us/j/64827465351?pwd=RFpMVUkyVWJPK21Jai9jZzJMaVphZz09>

**Meeting ID - 648 2746 5351**

**Passcode - AgInsig@R2**

## Technical Sessions (Oral Presentations)

### Forum: PF-EA

**Track: EA-1-Entomology**

**Time: 8.00 AM -9.30 AM**

**Chair:** Prof. Chandrika Dissanayake

**Rapporteur:** Dr. Anusha Wijesekara

**Coordinator:** Ms. Usha Sharma

#### **Paper Details:**

Time	Paper ID	Title	Author/s
8.00am-8.10am	ID 19	Anthelmintic effect of biorationals against the root knot nematode, <i>Meloidogyne incognita</i> colonizing Chilli rhizosphere	P.D.N.S. Karunasena, K. Pakeerathan, T. Thileepan, G. Mikunthan
8.10am-8.20am	ID 30	Impacts of selected pesticides on parthenium beetle, <i>Zygogramma bicolorata</i> pallister under laboratory conditions in Sri Lanka	H. R. Halangoda, K. Pakeerathan, G. Mikunthan
8.20am-8.30am	ID 42	Nano-based formulation of <i>Acarous calamus</i> rhizome extract and its efficacy on <i>Aspergillus flavus</i>	V. Kanagasabai, K. Pakeerathan, G. Sashikesh

8.30am-8.40am	ID 73	Starch hydrolysing ability of recombinant <i>Escherchia coli</i> containing candidate genes for alpha amylase enzyme	D.M.S. Dissanayake, M.J.M.S. Kurera, S.N.T. De Silva, D.P.S.T.G. Attanayake, R.P.A. Shashikala, R.K.D.N.H. Manchanayake
8.40am-8.50am	ID 81	Do larval frass volatiles deter oviposition behaviour of fall armyworm ( <i>Spodoptera frugiperda</i> J. E. Smith) (Lepidoptera: Noctuidae)?	M.B. Ayesmanthi, G.K.M.M.K. Ranaweera, A.D.N.T. Kumara, A.M.K.G. Muhandiram, A.N.M. Mubarak
8.50am-9.00am	ID 138	Isolation of metribuzin and profenofos resistant bacteria from agricultural soil collected from Uva province of Sri Lanka	J.L.P.C. Randika, P.K.G.S.S. Bandara, H.S.M. Soysa, H.A.D. Ruwandeepika, S.K. Gunatilake
Q & A Session			

## Track: EA-2-Soil Science

**Time: 9.30 AM-11.00 AM**

**Chair:** Snr. Prof. Lal Vidhana Arachchi

**Rapporteur:** Ms. Ovini Dissanayake

**Coordinator:** Ms. W.G.Madurangi

### Paper Details:

Time	Paper ID	Title	Author/s
9.30am-9.40am	ID 09	Quantification of changes in soil carbon after the establishment of tea plantations replacing native ecosystems: A case from the low and mid country	M.K.R. Prabashwara, K.M.H.I. Karunaratne, W.J.S.K. Weerakkody
9.40am-9.50am	ID 14	Screening of some antagonist soil fungi against white mold pathogen of mustard <i>in-vitro</i>	N. Naher, S. Shamsi, M.A. Bashar, M.R. Ali , M.S. Nahar
9.50am-10.00am	ID 57	Relationship between essential minerals and toxic trace elements of major paddy growing soils in Sri Lanka	N.A.S.A Neththasinghe, N.D.R Madushan, W.M.U.K. Rathnayake, D.N. Sirisena, D.M.S.B. Dissanayaka, M. Ariyaratne, L.D.B. Suriyagoda



10.00am-10.10am	ID 113	Investigation of underlying causes for sudden tea bush death and feasibility of applying decanter cake of oil palm ( <i>Elaeis guineensis</i> ) as an organic fertilizer in tea	K.G.D.T. Nayananda, H.M.S.K. Herath, K.G. Premathilake, I.A.A.M. Fernando
10.10am-10.20am	ID 128	A study on factors influencing land productivity of proprietary tea estates in Badulla district	A.M.M.B. Aththanayake, M.K.S.L.D.Amarathunga, M.G.P.P. Mahindaratne
10.20am-10.30am	ID 60	Effects of soil moisture stress on the growth attributes and yield of three Okra ( <i>Abelmoschus esculentus</i> L.) cultivars in the sandy regosols	S. Premadasa, S. Mahendran, G. Hariharan
Q & A Session			

## Track: EA-3-Agricultural Engineering and Post-harvest Management

**Time: 11.15 AM-12.45 PM**

**Chair:** Dr. A.D. Ampitiyawatte

**Rapporteur:** Dr. G.D.K Kumara

**Coordinator:** Mr. Helitha Nilmalgoda

### Paper Details:

Time	Paper ID	Title	Author/s
11.15am-11.25am	ID 35	Evaluation of physico-chemical and milling properties of selected paddy varieties in Sri Lanka	H.G.S. Chathuranga, B.M.K. Senarathna, M.R. Roshana, T. Mahendran
11.25am-11.35am	ID 55	Development of dehydrated avocado powder using different drying techniques and evaluation of their quality	U.P.L.M. Lionel, R.M.N.A. Wijewardana, M.P.M. Arachchige, N.E. Wedamulla
11.35am-11.45am	ID 124	Pre-drying of fermented black tea leaves using far-infrared	H.M.N.P. Kumara, G. Abhiram, K. Raveendran, K.G. Prematilake
11.45am-11.55am	ID 112	Recent applications of UAVs in sustainable horticulture: A review	J.S.R.De Silva, N.M.P.M.Piyasena

11.55am- 12.05pm	ID 130	Comparison study to investigate the rice yield, using inorganic NPK fertilizer and Environmental Friendly Liquid (EFL) fertilizer	W.M.W.W. Kandegama, K.G.S. Imasha
Q & A Session			

## Track: EA-4-Biodiversity and Climate Change

**Time: 1.45 PM -3.15 PM**

**Chair:** Prof. Asha Karunaratne

**Rapporteur:** Dr. Sarath Bandara

**Coordinator:** Mr. Harshana Galahitigama

### Paper Details:

Time	Paper ID	Title	Author/s
1.45pm-1.55pm	ID 69	Wild plants and vegetables: source of diet and nutrition in Bangladesh	S. Taher, N. Naher
1.55pm-2.05pm	ID 150	Analysis of extreme climate events in Sri Lanka from 1981-2019: Case study in wet, intermediate and dry zone	G.D.S. Devinda, K.C. Kaushalya, A.D. Ampitiyawatta, E.M. Wimalasiri, J.B.D.A.P. Kumara
2.05pm-2.15pm	ID 116	An inquiry into propensity of dwellers in the Udagaldebokka isolated forest-dependent community to resettle off the forest: A cultural consensus analysis	D. Wickramarathne, A. Jayaweera
2.15pm-2.25pm	ID 78	Effects of different ambient temperatures for growth and development of fall armyworm, <i>Spodoptera frugiperda</i> (Smith)	A.M.K.G. Muhandiram, G.K.M.M.K. Ranaweera, A.D.N.T. Kumara, M.B. Ayeshmanthi, A.N.M. Mubarak

2.25pm-2.35pm	ID 126	Effect of organic amendment on the yield of Radish ( <i>Raphanus sativus</i> ) to ensure food safety	W.M.W.W. Kandegama, R.M.M.P. Rathnayaka
Q & A Session			

## Track: EA-5-Agriculture

**Time: 3.15 PM-4.45 PM**

**Chair:** Snr. Prof AAY Amarasinghe

**Rapporteur:** Dr. Anusha Wijesekara

**Coordinator:** Ms. P.W. Malitha Tharindi

### Paper Details:

Time	Paper ID	Title	Author/s
3.15pm-3.25pm	ID 34	Effect of BAP and hypocotyl explants of tomato ( <i>Lycopersicon esculentum</i> Mill.) var. KC1 for in vitro plant regeneration	B. Shiyamala, T.H. Seran, H.F.L. Upendri
3.25pm-3.35pm	ID 87	Assessment of seed characteristics of progenies in tea ( <i>Camellia sinensis</i> L.) seed gardens: Towards facilitating effective utilization of tea seeds and the productivity enhancement of the gardens	J.H.N. Piyasundara, M.A.B. Ranatunga, A.K. Mudalige
3.35pm-3.45pm	ID 153	Chemical Composition, Antioxidant Activity and sensory evaluation of six accessions of wood apple ( <i>Feronia limonia</i> ) growing in Sri Lanka	Buddika chandralal

3.45pm-3.55pm	ID 154	Predatory potential of Coccinelid beetle spp. on <i>Deltocephalus menoni</i> ; vector of sugarcane white leaf disease	M.H. Samarasinghe, K.M.G. Chanchala, R.N.N. Perera, J.B.D.A.P. Kumara
3.55pm-4.05pm	ID 80	Potential of <i>Chlorella</i> sp. grown in wastewater on the growth and yield of <i>Amaranthus</i> sp.	P. Saththivel, K. Jeyakumar, N. Gnanavelrajah, B. Ketheesan
Q & A Session			

## *Programme: Technical Sessions*

### **Themes: Livestock & Aquaculture/Student Forums**

*Date: January 27, 2022*

*(Online – R-3)*

### **Zoom Session Link**

#### **Zoom Link –**

<https://learn.zoom.us/j/68958751991?pwd=K3I1aXBtclB1Vm4yWmdnalltMDNaQT09>

**Meeting ID** - 689 5875 1991

**Passcode** - AgInsig@R3



## Technical Sessions (Oral Presentations)

### Forums: PF-LA and SF

#### **Track: LA-1-Aquaculture & Fisheries**

**Time: 8.00 AM-9.30 AM**

**Chair:** Prof. C.N. Walpita

**Rapporteur:** Dr. J.L.C.S. Perera

**Coordinator:** Mr. M. Naveenan

#### **Paper Details:**

Time	Paper ID	Title	Author/s
8.00am-8.10am	ID 29	Increase of altered nuclei in peripheral erythrocytes of <i>Oreochromis niloticus</i> following exposure to sub lethal concentrations of crude oil	K. Arambage
8.10am-8.20am	ID 32	Isolation and identification of <i>Vibrio</i> species from <i>Macrobrachium rosenbergii</i> cultured in selected five reservoirs in Uva and Southern provinces in Sri Lanka	L.N.M.P. Jayasinghe, S.U. Pathiranage, E.G.K.Y.C. Bandara, H.H.S. Pramodhi, K.V.D.M. Hasintha, H.C. Nadishani, D.N.N. Madushanka, K.H.M.A. Deepananda, H.A.D. Ruwandeepika

8.20am-8.30am	ID 64	Morphological identification and comparative growth of tubificid worms in culture media supplemented with different feed types	H.M.R.P. Perera, C.N. Walpita, S.K. Patabandi, C.J. Kumara
8.30am-8.40am	ID 92	Shapes, substrates, and monsoon patterns that affect live rock culturing among the coastal communities in Southern Sri Lanka	E.P.D.N.Thilakarathne, N.P.P. Liyanage, S.C. Jayamanne
8.40am-8.50am	ID 143	Initial success of captive breeding and larval rearing of endemic fresh water food fish <i>Systemus spilurus</i> (Günther, 1868) in Sri Lanka.	A. R. Mudalige, C.N.Walpita, A.R.S,B, Athauda, S. J. Perera, P.N. Chandrarathna
Q & A Session			

## Track: LA-2-Food Science & Technology

**Time: 9.30 AM- 11.00 AM**

**Chair:** Prof. T.S.P. Jayaweera

**Rapporteur:** Dr. M.A.J.P. Munasinghe

**Coordinator:** Mr. D.N. Nimesh Madushanka

### Paper Details:

Time	Paper ID	Title	Author/s
9.30am-9.40am	ID 15	Enrichment of egg yolk lipids with Conjugated Linoleic Acid (CLA) by feeding bitter melon ( <i>Momordica charantia</i> ) seed fat to layer chickens	J.M.U.K. Premarathne, D.A. Satharasinghe, R.M.U.S. Rathnayaka, W.M.A.P. Wanigasekera, W.M.T. Madhujith, G.A. Prathapasinghe, J.M.K.J.K. Premarathne, E.R.K.V. Edirimanne, L.J.P.A.P. Jayasooriya
9.40am-9.50am	ID 20	Isolation and characterization of lactic acid bacteria (LAB) from forage silage to be used as an inoculant for ensiling forage	L.M.J.N.K. Disanayaka, M.B.P. K. Mahipala, N. Apeksha Uthpali, S.D. Senanayaka, R.G.S.C. Rajapakse, H.R.N. Jinadasa, W.M.P.B. Weerasinghe
9.50am-10.00am	ID 70	A comparison between colourimeter and computer vision system in colour evaluation in broiler chicken meat	B.G.J.U. Bendaluwa, M.A.A.P. Kumari, S.P. Dissanayake, M.A.H.T. Madurasinghe

10.00am- 10.10am	ID 95	Effect of incorporation of finger millet ( <i>Eleusine coracana</i> ) on proximate composition, sensory and microbiological properties and shelf life of drinking yoghurt over refrigerated storage	E. Disanth, S. Anand Kumar, V. Susruthan, S. Piratheepan
10.10am- 10.20am	152	Effect of cooling temperature and time on physicochemical and organoleptic properties of commercial cooked sausages	U.P. Sithara, M.A.J.P. Munasinghe
Q & A Session			

## Track: LA-3-Animal Health & Food Safety

**Time: 11.15 AM-12.45 PM**

**Chair:** Prof. D.M.A. Gunaratna

**Rapporteur:** Dr. R.M.A.S. Bandara

**Coordinator:** Ms. T.I.G. Indhu Prabashwari

### Paper Details:

Time	Paper ID	Title	Author/s
11.15am- 11.25am	ID 33	Decontaminating effect of <i>Neolitsea cassia</i> leaves extract on broiler Chicken meat contaminated with <i>Salmonella Typhimurium</i> and <i>Escherichia coli</i>	M.M.D.N.H.Gunathilake, S.U. Pathiranage, D.N.N. Madushanka, T.S.P. Jayaweera, H.A.D. Ruwandeepika
11.25am- 11.35am	ID 37	Effect of the use of <i>Hermetia illucens</i> larvae to replace fish meal on the growth performances of <i>Labeo rohita</i> post-larvae	M.K.C. Priyadarshana, C.N. Walpita, H.A.D. Ruwandeepika, M.P.S. Magamage, P.M. Withanage
11.35am- 11.45am	ID 76	Influence of the dietary protein and fat contents on the growth performances of <i>Xiphophorus maculatus</i> : A preliminary study	M.K.C. Priyadarshana, C.N. Walpita, H.A.D. Ruwandeepika, M.P.S. Magamage P.M. Withanage
11.45am- 11.55am	ID 77	Constraints faced by ornamental fish farmers in the Kandy district during the COVID-19 pandemic	M.S Artharpaul, M. Naveenan, C.N. Walpita

11.55am- 12.05pm	ID 79	Unprocessed household fish consumption and COVID-19: Evidence of negative effects: a case study	W.A.M.B. Weerasuriya, K.M.N. Madusanka, M. Naveenan, C.N. Walpita
12.05pm- 12.15pm	ID 119	Outbreak of Lumpy Skin Disease (LSD) in cattle – A recent epidemic in Jaffna district	A. Biriyaangari
12.15pm- 12.25pm	ID 156	Impact of the X-Press Pearl ship fire on domestic marine fish consumption in Western, North Western and Southern provinces: A case study	M.S Artharpaul, M. Naveenan, C.N. Walpita
Q & A Session			

**Track: SF-3**

**Time: 1.45 PM-3.15 PM**

**Chair:** Prof. Sumith Magamage

**Rapporteur:** Mr. G. Weerakkody

**Coordinator:** Ms. Kanchana Pathmasekara

**Paper Details**

Time	Paper ID	Title	Author/s
1.45pm-1.55pm	ID 43	Consumer awareness on misinformation linked with consumption of broiler chicken meat: A case of Kandy district - Sri Lanka	G.I.S. Alwis, A.D.S.P. Ariyachandra, R.K. Mutucumarana, B.M.R.L. Basnayake
1.55pm-2.05pm	ID 148	Do misconceptions affect chicken egg consumption pattern among the public community? A case of Western province-Sri Lanka	A.D.S.P. Ariyachandra, G.I.S. Alwis, G.R.M.L. Bandara, R.K. Mutucumarana, B.M.R.L. Basnayake
2.05pm-2.15pm	ID 158	An Assessment on Attitudes on Antibiotic Usage and Knowledge Regarding Antibiotic Resistance among the General Public in Sri Lanka	N.D. Uduwawithana, K.M.D. Madhuwanthi, T.S.P. Jayaweera, H.A.D. Ruwandeepika

2.15pm-2.25pm	ID 160	An investigation on consumption of meat by undergraduates in Sri Lankan universities	R.M.C.R. Rajapaksha, K.A.D.I. Madumali, H.A.D. Ruwandeepika T.S.P. Jayaweera
2.25pm-2.35pm	ID 161	A preliminary study on performance of Artificial Insemination (AI) and perception of dairy farmers on present AI service in Kegalle district	P.P.A.C. Jayawardhana, H.T.T.G. Dharmasekara, T.S.P. Jayaweera, P.D.J. Premachandra
2.35pm-2.45pm	ID 162	A study on performance of artificial insemination and occurrence of diseases in livestock Species in Kaluthara district	K.N.P. Madhushani, S.K.I. Sewwandi, P.S.T.Punchihewa, L.D.M. Pramodi, D.G.H.D.S. Manimekala, I.A.Y.R. Indurugalla, T.S.P. Jayaweera
Q & A Session			



## Track: SF-5

**Time: 3.15 PM-4.45 PM**

**Chair:** Prof. T.S.P. Jayaweera

**Rapporteur:** Dr. J.L.C.S. Perera

**Coordinator:** Ms. K.V.D. Methnee Hasintha

### Paper Details

Time	Paper ID	Title	Author/s
3.15pm-3.25pm	ID 58	An investigation of consumers' awareness and consideration on the nutrition facts table of dairy products when making the buying decision in the Balangoda area	J.L.H.S. Silva, K.K.A. Dilshan, S.T. Hansika
3.25pm-3.35pm	ID 159	Liquid and powder milk consumption patterns and preference among undergraduates	K.M.D. Madhuwanthi, N.D. Uduwawithana, T.S.P. Jayaweera, H.A.D. Ruwandeepika
3.35pm-3.45pm	ID 94	Factors influencing fresh milk consumption and consumer's buying decision	A.D. Abeygunasekara, S.T. Hansika, P. Wattage
3.45pm-3.55pm	ID 98	Consumer perception on food safety during COVID-19 Pandemic- A choice-based study in Polgahawela area	P.M.G.D. Thilakarathne, A.M.S.M.R.S.G. Bandara, P. Wattage

3.55pm-4.05pm	ID 155	The impact of SARS-CoV-2 pandemic on purchasing behaviour and the consumption pattern of poultry derived foodstuffs by the communities in selected districts of Sri Lanka	N.K. Jinasena, Y.A.H. Anupama, O.K.D.C. Shehara, R.K. Mutucumarana, B.M.R.L. Basnayake, M.M.S.C. Senevirathne
Q & A Session			

*Programme: Technical Sessions*

**Themes: Agribusiness and Agricultural Economics  
(AB)/ Student Forums**

*Date: January 27, 2022*

*(Online – R-4)*

**Zoom Session Link**

**Zoom Link –**

<https://learn.zoom.us/j/61357780606?pwd=Wk16K0IwRktnVGRCYkR3U1ZnOW5Jdz09>

**Meeting ID - 613 5778 0606**

**Passcode - AgInsig@R4**

## Technical Sessions (Oral Presentations)

### Forum: PF-AB and SF

#### **Track: AB-2-Agricultural Economics**

**Time: 8.00 AM -9.30 AM**

**Chair:** Snr. Prof. M Wijeratne

**Rapporteur:** Prof. D.A.M. De Silva

**Coordinator:** Ms. Ruwini Bandara

#### **Paper Details:**

Time	Paper ID	Title	Author/s
8.00am-8.10am	ID 51	Impact of fertilizer subsidy on paddy cultivation in Sri Lanka	P. A. Dulanjani, A. A. Shantha
8.10am-8.20am	ID 52	Empowerment of women farmers' and its' contribution on household poverty reduction: a case of Imbulpe DS division in Sri Lanka	S.D.D. Rathnachandra, S.H.P. Malkanthi, P. Sivashankar
8.20am-8.30am	ID 72	An economic analysis of the crop losses induced by wild animals in Netolpitiya, Hambantota district	P.S.S.L. Wickrama, P.V.S. Harshana, A.L. Sandika

8.30am-8.40am	ID 83	Effect of non-tariff measures on the spice exports of Sri Lanka: A gravity approach	G.H. Udagedara, S.A. Weerasooriya
8.40am-8.50am	ID 125	Revealed comparative advantage and trade patterns in international trade: A study based on leading agricultural exports in Sri Lanka	M.M.S.C. Senevirathne
Q & A Session			

## Track: SF-1

**Time: 9.30 AM-11.00 AM**

**Chair:** Dr. G.D.K. Kumara

**Rapporteur:** Mr. Harshana Galahitigama

**Coordinator:** Ms. Dilshika Polwatta

### Paper Details

Time	Paper ID	Title	Author/s
9.30am-9.40am	ID 5	Effect of different calcium sources on yields and quality of groundnuts ( <i>Arachis hypogaea</i> L.) in Thihawa, Kumbukwewa	I.J.A. Ruhunuge, M.Y.A.S. Rathnayake, J. P. Kirthisinghe
9.40am-9.50am	ID 133	Impact of climate change on paddy yield: Case studies in Mahailluppallama and Batalagoda, Sri Lanka	N.M.R.H Nedimala, M.R.I.K.Wickramasinghe, E.M. Wimalasiri, A.D. Amptiyawatta, A.S. Karunaratne
9.50am-10.00am	ID 71	Causality relationship between CO <sub>2</sub> emission, energy intensity and economic growth in Sri Lanka	S.A.D.M.G. Dilshan
10.00am-10.10am	ID 85	A study on the effectiveness of tea replanting subsidy scheme on tea production in Thawalama ds division in Galle district	M.H.N. De Silva, S.T. Hansika, P. Wattage
Q & A Session			

## Track: SF-2

**Time: 11.15 AM-12.45 PM**

**Chair:** Dr. Menuka Udugama

**Rapporteur:** Dr. R.K.C. Jeewanthi

**Coordinator:** Ms. G. P. M. S Nandasena

### Paper Details

Time	Paper ID	Title	Author/s
11.15am- 11.25am	ID 18	Socio-economic factors affecting for the urban consumers' awareness toward the organic food	W.A.R.N. Weerasinghe, S.H.P. Malkanthi, P. Sivashankar
11.25am- 11.35am	ID 38	An analysis of consumer awareness and preference of eco-labels in Galle district	G.K.H. Nayanathara, A.M.S.M.R.S.G. Bandara, P. Wattage
11.35am- 11.45am	ID 39	Factors affecting the consumption of confectionery products among the youth: A case of Maharagama divisional secretariat division	W.T.N Upasena, A.M.S.M.R.S.G Bandara, P. Wattage
11.45am- 11.55am	ID 66	Most preferred beverage between fruit nectar and fresh juice among the university students	R.G.S.M. Hewage, K.A. Kiriveldeniya, P. Wattage

11.55am- 12.05pm	ID 139	Next-Gen smart value chain for cottage industry: A case of kithul value chain	K.M.G.S. Kalhara, J.A.P. Madhushanka, D.A.M. De Silva, S.K. Gunatilake , B.M.R.L. Basnayake
12.05pm- 12.15pm	ID 136	Factors contributing to organic food consumption: A case of Balangoda area.	W.M.S.H. Jayasinghe, S.T. Hansika, P. Wattage
12.15pm- 12.25pm	ID 149	A study of undergraduates' perception of organic-only agriculture and organic foods in Sri Lanka	G.R.M.L. Bandara, G.A.V.S. Ganearachchi, N.A.T. Madushani. D.P.S.L.Wickramasinghe, N.L.L. Chathunika, M.A.R.S.M. Arachchi
<b>Q &amp; A Session</b>			



**Track: SF-4**

**Time: 1.45 PM-3.15 PM**

**Chair:** Dr. Sumali Dissanayake

**Rapporteur:** Dr. S.T.C. Amarasinghe

**Coordinator:** Ms. W M S Dulmini

**Paper Details**

Time	Paper ID	Title	Author/s
1.45pm-1.55pm	ID 67	An investigation of the influence of country of origin on customer perception towards chocolate brands	R.D.C.M.Bogahamulahena, S.T. Hansika, P. Wattege
1.55pm-2.05pm	ID 134	An investigation on consumers' awareness and willingness to pay for organic vegetables - A case of Akuressa area	D.A.S. Sanjeewani, S.T. Hansika, P. Wattage
2.05pm-2.15pm	ID 89	Canned fish consumption: Impact of socio-economic and product characteristics in Bentota area, Sri Lanka	A.H. Hansika, K.K.A. Kiriveldeniya, P. Wattage
2.15pm-2.25pm	ID 90	Factors affecting youths' interest towards agricultural entrepreneurship: A study in Mattegoda area in Sri Lanka	K.D.A. Nirmani, P. Wattage

2.25pm-2.35pm	ID 96	Assessment on factors affecting towards consumer preference of powdered milk vs. fresh milk in Sri Lanka: A case of Ratnapura divisional secretariat division	I.N.A.T.P. Nanayakkara, W.A.S.P. Wickramasinghe, T. Hansika, P. Wattage
2.35pm-2.45pm	ID 97	Assessing farmer's preference for sustainable agricultural practices in Kurunegala area by using choice experiments	W.A.M.K. Adikaram, K.K.A. Kiriveldeniya, P. Wattage
Q & A Session			

**Track: SF-6**

**Time: 3.15 PM-4.45 PM**

**Chair:** Dr. M.G.P.P. Mahindaratne

**Rapporteur:** Dr. P. Wattage

**Coordinator:** Ms. R.D. Erandathi

**Paper Details**

No	Paper ID	Title	Author/s
3.15pm-3.25pm	ID 100	The impact of coconut price increment on household consumption in 2020 - A study in Panadura area	L.B.R. Prasadini, K.K.A. Kiriveldeniya, P. Wattage
3.25pm-3.35pm	ID 104	A study of school children's body mass index and eating habits in Galle district	T.G.T. Udayanga, M.H.N. De Silva, P.H.C.U. Sandamini, M.K.C. Sandamali, A. Gunaratne
3.35pm-3.45pm	ID 105	Factors affecting consumers' purchasing intention on safe vegetables in Rambukkana area	O.M. Edirisinghe, A.M.S.M.R.S.G. Bandara, P. Wattage
3.45pm-3.55pm	ID 107	Pepper supply chain and price behaviour in Sri Lanka	U.G.S.U. Manori, K.K.A. Kiriveldeniya, P. Wattage

3.55pm-4.05pm	ID 122	Customer perception towards food delivery services during COVID-19 pandemic: with special reference to Colombo district	K.C.J. Premarathna
4.05pm-4.15pm	ID 131	An institutional environment and its involvement in coconut oil value chain	M. L.D. Nipunika, D.A.M. De Silva
Q & A Session			

## Organizing Committee-AgInsight 2022

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Thank You!