



National Symposium on
Agriculture & Life Sciences

NSALS '26

BRIDGING INNOVATION AND SUSTAINABILITY:
UNLOCKING THE VALUE OF AGRICULTURAL RESOURCES

22nd Jan 2026

PROGRAMME BOOK



Faculty of Animal Science and Export Agriculture
Uva Wellassa University of Sri Lanka
www.uwu.ac.lk/nsals



EMPOWERING FAMILIES FOR

75 YEARS

TO ASPIRE FOR A BETTER
TOMORROW



**CONSUMER BRANDS THAT
BUILD EVERYDAY TRUST**

As a leader in home, personal care, and learning, our brands make a daily difference by offering innovative and essential products that empower communities with trust



**HEALTHCARE THAT
STRENGTHENS THE NATION**

Through pharmaceutical manufacturing, distribution, and private healthcare services, we deliver integrated, accessible solutions that improve healthcare systems and wellbeing across Sri Lanka



**MOBILITY SOLUTIONS THAT
MOVE SRI LANKA FORWARD**

With deep expertise in maritime and aviation, our specialized teams and global partnerships create lasting value, shaping the future of mobility for our nation and beyond



Table of Contents

NSALS '26	01
Keynote Speaker	02
Programme at a Glance	04
3MT Competition '26	06
Symposium Tracks	08
Technical Sessions	
▪ Agricultural Economics, Agribusiness Management, Extension and Entrepreneurship	10
▪ Agricultural Engineering and Process Technology	13
▪ Agricultural Microbiology and Biotechnology	17
▪ Animal Production and Technology	20
▪ Aquatic Sciences	23
▪ Crop Production Technology	26
▪ Environmental Science and Climate Change	29
▪ Food Science and Technology	32
Committees – NSALS '26	37
Uva Wellassa University of Sri Lanka	41
Faculty of Animal Science and Export Agriculture	43
Past Symposia	
• NSALS '24	44
• NSALS '25	46



NSALS '26

Uva Wellassa University of Sri Lanka (UWU) proudly stands at the forefront of higher education as a dynamic, entrepreneurial, and technopreneurial university. With a strong commitment to innovation-driven learning, UWU empowers its graduates with knowledge, skills, and ethical values that prepare them to lead, innovate, and make a meaningful impact on national development.

Celebrated as the Center of Excellence for Value Addition to Sri Lanka's national resource base, UWU continues to inspire research excellence and transformative innovation. As part of this vibrant academic culture, the Faculty of Animal Science and Export Agriculture (FASEA) proudly presents the third annual National Symposium on Agriculture and Life Sciences (NSALS '26) the Undergraduate Research Symposium of FASEA-UWU.

Building on the success of its inaugural event in 2024, the third consecutive symposium of the faculty, NSALS '26 brings together young researchers, academics, industry leaders, and scientific professionals on a single platform to share ideas, exchange knowledge, and spark collaborations. Under the theme **“Bridging Innovation and Sustainability: Unlocking the Value of Agricultural Resources”**, this national symposium aims to redefine existing knowledge frameworks, inspire forward-thinking solutions and creative approaches to the challenges facing agriculture and life sciences today.

NSALS '26 showcases cutting-edge undergraduate research across eight (08) dynamic thematic tracks in agriculture and life sciences sector:

1. Agricultural Economics, Agribusiness Management, Extension, and Entrepreneurship
2. Agricultural Engineering and Process Technology
3. Agricultural Microbiology and Biotechnology
4. Animal Production and Technology
5. Aquatic Sciences
6. Crop Production Technology
7. Environmental Science and Climate Change
8. Food Science and Technology

This year, 188 high-quality undergraduate research papers under diverse disciplines were selected for oral and poster presentation physically at UWU premises following a stringent peer-review process. These research findings highlight the enthusiasm, innovation, and research potential of the next generation of scientists and professionals.

NSALS '26 is a celebration of knowledge, creativity, and collaboration reinforcing UWU's commitment to shaping a sustainable future through innovation and discovery.



KEYNOTE SPEAKER



Professor Chalinda K. Beneragama

Department of Crop Science, Faculty of Agriculture,
University of Peradeniya

Director, Academic Affairs Division, University of
Peradeniya

Chairman, Workgroup Agri-Technology, Lanka
Education and Research Network

✉: chalindab@agri.pdn.ac.lk

Professor Chalinda K. Beneragama is a distinguished academic leader and specialist in horticulture, serving as a Professor in the Department of Crop Science at the Faculty of Agriculture, University of Peradeniya, Sri Lanka. With over 25 years of experience, his teaching and research focus on Commercial Horticulture, Floriculture, and Landscape Gardening, impacting both undergraduate and postgraduate education. He is widely recognized as an exceptional teacher, mentor, and advisor, having guided more than 100 graduate and postgraduate research students.

Prof. Beneragama holds a PhD in Photobiology from Iwate University, Japan, an MSc in Turfgrass Science from Obihiro University, Japan, an MPhil in Floriculture and Landscape Architecture from the University of Peradeniya, and a BSc in Agriculture from the same institution. His commitment to innovative education is further demonstrated by his credentials in online teaching and as a Certified Trainer in Artificial Intelligence for the Asia-Pacific region.

Beyond the classroom, he has held significant leadership roles, including Director of the Academic Affairs Division, Head of the Department of Crop Science, Director of the Staff Development Centre, and Director of the Agriculture Education Unit at the University of Peradeniya. He also chaired the Workgroup on Postharvest in Emerging Countries under the International Society for Horticultural Sciences (ISHS) and serves on Sri Lanka's National Floriculture Task Force. Currently, he chairs the Working group on Agri-Technology in the Lanka Education and Research Network.

A prolific researcher, Prof. Beneragama has authored over 70 peer-reviewed publications, including journal articles, book chapters, and conference papers. He has secured substantial research and development grants exceeding USD 800,000 from international organizations such as the World Bank, USAID, and the Kingdom of the Netherlands. His editorial leadership includes roles as Editor-in-Chief of Tropical



Agricultural Research and Acta Horticulturae, and he serves on the editorial boards of several international journals.

Widely sought as a trainer and consultant, he has designed and delivered over 1500 capacity-building programs in teaching methodologies, curriculum development, soft skills, and AI in education for academic staff and students across 15 state and 09 non-state universities in Sri Lanka, as well as institutions in the USA, Australia, Japan, India, Bangladesh, and Oman. He has also coordinated multiple international study abroad programs, fostering global academic exchange. He is the pioneer in introducing Collaborative Online International Learning (COIL) programs to Sri Lanka.

Honored with the Presidential Award for Scientific Publications and several best paper awards, Prof. Beneragama is a dynamic educator, researcher, and institution-builder whose work continues to advance agricultural science, enhance higher education, and contribute to sustainable development both nationally and internationally.



PROGRAMME AT A GLANCE

Date: 22nd January 2026

Venue: Technology Auditorium, Faculty of Technological Studies, Uva Wellassa University

INAUGURAL CEREMONY

08:00-09:00	Desk Registration
09:00-09:15	Lighting the Oil Lamp, National and University Anthems
09:15-09:25	Welcome Speech by Prof. Deshani C. Mudannayake, Symposium Chairperson, NSALS '26
09:25-09:35	Address by Prof. Saman Herath, Dean, Faculty of Animal Science and Export Agriculture
09:35-09:45	Address by Senior Prof. Kolitha B. Wijesekara, Chief Guest of NSALS '26; Vice Chancellor, Uva Wellassa University of Sri Lanka
09:45-09:55	Launching the Proceedings of NSALS '26
09:55-10:00	Introducing the Keynote Speaker by Dr. Maleeka Nambapana, Head, Department of Animal Science, Faculty of Animal Science and Export Agriculture
10:00-10:25	Keynote Speech by Prof. Chalinda K. Beneragama, Department of Crop Science, Faculty of Agriculture, University of Peradeniya.
10:25-10:30	Vote of Thanks by Dr. Gunaratnam Abhiram, Symposium Secretary, NSALS '26
10:30-11:00	Refreshments

TECHNICAL SESSIONS

11:00-13:00	Technical Sessions I & Poster Session
13:00-13:40	Lunch Break
13:40-15:30	Technical Sessions II & Poster Session
15:30-16:00	Tea Break



3MT COMPETITION AND CLOSING CEREMONY

16:00-16:45	Introduction to 3MT Competition '26 by Mr. Darshana Thilakarathne, Coordinator, 3MT Competition '26
16:45-16:50	Introducing the Invited Speaker by Dr. Nuwan Weerawansha, Senior Lecturer, Department of Export Agriculture, Faculty of Animal Science and Export Agriculture
16:50-17:00	Invited Speech by Dr. Nishala Wedamulla, Senior Lecturer, Department of Food Science and Technology, Faculty of Animal Science and Export Agriculture
17:00-17:20	Awarding Ceremony
17:20-17:35	Concluding Remarks by Dr. Duminda Senevirathna, Senior Lecturer, Department of Animal Science, Faculty of Animal Science and Export Agriculture

SYMPOSIUM DINNER

19:00-22:30	Symposium Dinner
-------------	------------------



3MT COMPETITION '26

The Three Minute Thesis (3MT) competition, which is an innovative platform for research communication, was first held at the University of Queensland (UQ) in 2008, featuring 160 Higher Degree by Research (HDR) students. Its resounding success led to rapid expansion, reaching universities across Australia and New Zealand in 2009 and 2010.

Since 2011, the 3MT competition has become a global phenomenon, now hosted by over 900 universities in more than 80 countries. In 2016, the competition expanded further, including universities from Southeast and Northeast Asia.

The 3MT competition, which was initially intended for Doctor of Philosophy (PhD) candidates to deliver a concise and engaging three-minute speech about their thesis and its importance, has developed and expanded over time. It is no longer exclusive to PhD theses but welcomes participation from researchers and students engage with higher education across various disciplines.

The Faculty of Animal Science and Export Agriculture (FASEA) at Uva Wellassa University introduced its first 3MT competition in 2021. This inaugural event provided final-year undergraduate students with an opportunity to showcase their research in this exciting format. Inspired by its success, the competition was held again in 2022 and 2024, growing in prestige and participation each year.

We are excited to announce that the final round of the 5th 3MT competition will take place on January 22, 2026, during the closing session of NSALS '26. From an initial pool of 59 applicants, five outstanding contestants have been selected through two rigorous screening rounds. These finalists will captivate the audience with their concise and compelling presentations, showcasing the essence and impact of their research in just three minutes.

Join us to celebrate their achievements and experience the brilliance of effective research communication...!

Mr. E.P.D.N. Thilakarathne
Coordinator/3MT Competition '26
FASEA – NSALS '26



Finalists of 3MT Competition – NSALS '26

- 1. Mr. D.P.N. Sirimanna**
- 2. Ms. N.D.M. Kodikara**
- 3. Ms. G. Weerawanni**
- 4. Ms. S. Ratsiga**
- 5. Ms. U. Ariyasinghe**



SYMPOSIUM TRACKS

01. **Agricultural Economics, Agribusiness Management, Extension and Entrepreneurship**
02. **Agricultural Engineering and Process Technology**
03. **Agricultural Microbiology and Biotechnology**
04. **Animal Production and Technology**
05. **Aquatic Sciences**
06. **Crop Production Technology**
07. **Environmental Science and Climate Change**
08. **Food Science and Technology**



Technical Sessions



AGRICULTURAL ECONOMICS, AGRIBUSINESS MANAGEMENT, EXTENSION AND ENTREPRENEURSHIP

22nd January 2026

Oral Session

Time: 11:00 - 14:50

Venue: Mini Auditorium, Faculty of Technological Studies

Panel Members: **Prof. P.H.T. Kumara** (Uva Wellassa University) - Chairperson
Dr. B.P. Siriwardena (University of Colombo)
Dr. C.T. Jayaratne (Ocean University)

Paper ID Time	Title of Abstract Names of Authors
020 11:00-11:10	Evaluating the impact of sensory branding on consumer satisfaction and purchase intention: a study at planters grove tea center; Kelani Valley Plantations PLC <i>R.M.D.S. Kumari, M.G.P.P. Mahindarathne, A.T. Gamage</i>
025 11:10-11:20	Changes in tea consumption patterns before and after the Covid-19 pandemic: a comparative study of black and green tea in western province, Sri Lanka <i>A.S. Chamoda, M.G.P.P. Mahindarathne, S. Silva</i>
047 11:20-11:30	Adoption of digital transformation in the SME sector: a case of agri-food manufacturing SMEs in Badulla district <i>G.P. Abeywickrama, M.G.P.P. Mahindarathne</i>
052 11:30-11:40	An economic analysis of potato farming under high input costs: a case study of Welimada DS division <i>K.M.S.H. Kumari, W.N. De Silva</i>
053 11:40-11:50	Evaluating the influence of service quality dimensions on the retention of existing tea manufacturers: a case study of Asia Siyaka Commodities PLC <i>A.D.N. Chandrasiri, M.G.P.P. Mahindarathne, S. Silva</i>
066 11:50-12:00	Impact of intercropping on the income of rubber smallholders in the Monaragala district of Sri Lanka <i>A.M.N.P.K. Adhikari, P.W. Jeewanthi, M.G.P.P. Mahindarathne, A.M.W.K. Senevirathna</i>
080 12:00-12:10	Intrahousehold decision making and food security in Sri Lanka <i>R.A.J.P. Rupasinghe, R.A.P.I.S. Dharmadasa</i>



- 088**
12:10-12:20
Factors influencing the performance of small and medium-scale rice mills in the Hingurakgoda DS division, Polonnaruwa district
M.D.R.D. Jayarathna, B.P. Siriwardena, L.P.M.S. Rajapaksha, B.S. Bandusekara
- 089**
12:20-12:30
Factors influencing the sustainability of agro-based lacquer handicrafts in rural Sri Lanka; a study of Rattota DS division, Matale district
L.P.M.S. Rajapaksha, B.P. Siriwardena, M.D.R.D. Jayarathna, K.G. Ketipearachchi
- 130**
12:30-12:40
Assessing the adoption of certification among tea manufacturers: a case study of a brokering company in Sri Lanka
M.M.H. Malsha, M.G.P.P. Mahindaratne, M.A.E.K. Jayasinghe, C. Punchihewa
- 141**
12:40-12:50
Analysis of consumer awareness, preference, and their impact on the market positioning of probiotic dairy products in major cities in Sri Lanka
Y.G.T.P. Walgampaya, D.C. Mudannayake, A.M.N.L. Abesinghe, S.N.S.L.H.P. Neelawala, N. Perera
- 156**
12:50-13:00
Appraising tea smallholders' satisfaction on tea factory and society-based extension services: a case study on bought leaf supply chain of Aruna tea factory in Passara
R.M.C.H. Rathnayake, M.K.S.L.D. Amarathunga, H.R.A. Shantha, K.A.D.P. Kumarasingha
- 13:00-13:40
SESSION BREAK
- 158**
13:40-13:50
An assessment of digital literacy among rubber smallholders in Monaragala district
G.K.G.R.S. Ariyaratna, P.W. Jeewanthi, M.G.P.P. Mahindaratna, A.M.W.K. Senevirathna
- 177**
13:50-14:00
A study on consumer preferences and willingness to pay for fruit-flavored tea in Gampaha district
M.I.F. Aafira, M.A.E.K. Jayasinghe, C.S. Wijetunga, E.A.P.S. Dissanayaka
- 189**
14:00-14:10
Input price changes on paddy farmers' profitability and resource allocation in the irrigated system in Sri Lanka
D.P.S. Siriwardhana, C.S. Wijetunga
- 195**
14:10-14:20
An evaluation of farmer satisfaction with radio and web-based radio services provided by the Department of Agriculture for agricultural knowledge dissemination
W.M.D.K. Weerasooriya, M.K.S.L.D. Amarathunga, R.G.A. Gunasekara, K.A.D.P. Kumarasingha



210

14:20-14:30

Tea smallholders' behavioral intentions to adopt recommended agricultural practices in tea cultivation: a case study of Aruna tea factory in Passara

D.M.I.W. Dissanayake, M.K.S.L.D. Amarathunga, H.R.A. Shantha, K.A.D.P. Kumarasingha

221

14:30-14:40

Export competitiveness of Sri Lankan tea: a gravity model approach

M.A.M. Shahjath, C.S. Wijetunga, V.R. Thanthrige, M.A.E.K. Jayasinghe

232

14:40-14:50

Evaluating the satisfaction of farmers on extension services provided by Coconut Cultivation Board (CCB) in Kegalle district, Sri Lanka

D.M.D.U. Dissanayake, M.K.S.L.D. Amarathunga, W.N.K. Wehalla, K.A.D.P. Kumarasingha

14:50

END OF ORAL SESSION

Poster Session

Time: 11:00 - 15:30

Venue: D1 Lecture Hall

Panel Members: Prof. K.G. Premathilake (Former Professor, Uva Wellassa University)
Dr. M.G.P.P. Mahindaratne (Uva Wellassa University)
Dr. M.P.M. Arachchige (Uva Wellassa University)

035

A zero-waste business model for sustainable value creation: the case of green banana naturals in Sri Lanka

S. Layassruthy, T.M.I.M. Jayathissa

15.30

END OF POSTER SESSION



AGRICULTURAL ENGINEERING AND PROCESS TECHNOLOGY

22nd January 2026

Oral Session

Time: 11:00 - 15:00

Venue: Smart Lecture Hall, E Block Ground Floor

Panel Members: **Prof. Y.N.S. Wijewardana** (Uva Wellassa University) - Chairperson

Dr. N.P. Premachandra (Uva Wellassa University)

Dr. M.A.S.R. Senevirathna (Uva Wellassa University)

Paper ID Time	Title of Abstract Names of Authors
004 11:00-11:10	Potential use of chlorinated natural rubber as a compatibilizer in natural rubber/nitrile butadiene rubber blends <i>D.M.N.S. Dassanayake, I.H.K. Samarasinghe, E.A.L. Lochana, A.M.W.K. Senevirathna</i>
014 11:10-11:20	Effect of titanium dioxide grafted expandable graphite on the flame retardant performance of natural rubber foam composites <i>R.M.N.U. Rathnayake, W.D.M. Sampath, E.A.L. Lochana, A.M.W.K. Senevirathna</i>
030 11:20-11:30	Analysis of soil erosion potential in Victoria reservoir catchment of Sri Lanka using GIS techniques <i>M.D.N.O.W. Madapatha, N.S. Withanage, R.A.G.C.N.M. Nawarathna, H.A.M.P. Ranasingha, L.P.A. Isurangi, D.M.C.L. Dharmasena</i>
036 11:30-11:40	Design and develop a portable and semi-automated seeding machine for greenhouse nurseries <i>B. Sathushan, P.T. Jeshura, M. Danugika, N.N. Ahmed, Y.N.S. Wijewardana</i>
038 11:40-11:50	Assessment of land cover changes and climate factors influence on coconut productivity in coconut triangle, Sri Lanka <i>A.M.A. Maduranga, R.A.G.C.N.M. Nawarathna, G. Abhiram</i>
040 11:50-12:00	Formulation of slow-release fertilizer and measuring its effectiveness on nursery tea (<i>Camellia sinensis</i>) plants <i>S.S. Jayasuriya, G. Abhiram, M.V.T. Tharuka, H.M.S.K. Herath</i>
046 12:00-12:10	Machine learning-based coconut tree detection and counting using high-resolution satellite images in Kurunegala district <i>N.K.G.N. Chamara, R.A.G.C.N.M. Nawarathna, G. Abhiram</i>



- 050**
12:10-12:20 **Investigating the correlation between the sensory attributes and chemical profiles of selected tea blends**
H.S.N. Silva, V.P. Ellepola, A.C. Liyanage, I.R. Palangasinghe
- 062**
12:20-12:30 **Study of the degradation behavior of natural rubber latex incorporated with rice husk cellulose nanocrystals**
K.A. Wickramarathna, A.M.K.S.P. Adhikari, E.A.L. Lochana, A.M.W.K. Senavirathna
- 069**
12:30-12:40 **A preliminary study on a safer secondary preservative strategy for natural rubber field latex**
K.P.K. Sandeepani, A.P. Attanayake, R.A.A.P. Ranawaka, A.M.W.K. Senavirathna, A.G.A.W. Alakolanga
- 071**
12:40-12:50 **Effect of skim rubber incorporation on the physico-mechanical and quality characteristics of technically specified rubber**
W.U.L. Perera, A.P. Attanayake, R.A.A.P. Ranawaka, E.A.L. Lochana, A.G.A.W. Alakolanga
- 105**
12:50-13:00 **Development of a sustainable composite board utilizing reclaimed rubber, recycled PET plastic fibers, and coir**
A. Luksika, G. Abhiram
- 13:00-13:40 **SESSION BREAK**
- 110**
13:40-13:50 **Simulation-based preliminary design and analysis of a forking machine for loosening compacted tea fields soils**
R. Jajinthar, G. Abhiram, A. Anotharsan
- 118**
13:50-14:00 **Improving the quality of palmyra (*Borassus flabellifer* L.) fruit fiber for textile yarn production**
P.J. Reval, G. Abhiram, M.P. Charithangi
- 127**
14:00-14:10 **Biotower-based novel cosmetic wastewater treatment using wood apple (*Limonia acidissima*) shell biochar**
S. Vejuka, V. Vijitha, N. Kannan
- 140**
14:10-14:20 **Intelligent weed detection and precision chemical spraying in paddy fields using YOLOv12**
R. Thilaksani, A. Kunaraj
- 152**
14:20-14:30 **Effect of altheon foliar spray on green leaf yield and polyphenol content in black and green tea: a study on vegetative vs. seedling tea at Demodara, Sri Lanka**
H.W.L.S. Pinsara, M. Gunawardana, A.G.A.W. Alakolanga, H.M.S.K. Herath
- 176**
14:30-14:40 **Optimization of enzymatic deproteinization of natural rubber latex for enhanced stability**
W.A.K.H. Udeshika, I.H.K. Samarasinghe, E.A.L. Lochana, A.G.A.W. Alakolanga



186 14:40-14:50	Development of “smart- paddy” - a web-based fertilizer scheduler for paddy farmers in Sri Lanka <i>P. Vithuna, T. Gereharan</i>
209 14:50-15:00	Effect of reusing old (waste) natural latex compound on the physio-mechanical properties of natural rubber gloves; determination of optimum blend ratios under varying swelling indices <i>S.S.D. Sudusinghe, P.H.S. Kumara, E.A.L. Lochana, A.G.A.W. Alakolanga</i>
15:00	END OF ORAL SESSION

Poster session

Time: 11:00 - 15:30

Venue: D1 Lecture Hall

Panel Members: Dr. A.M.N.L. Abesinghe (Uva Wellassa University)
Ms. N.S. Withanage (Uva Wellassa University)
Dr. A.S. Mahaliyana (Uva Wellassa University)

Paper ID	Title of Abstract Names of Authors
008	A feasibility assessment for ISO 9001:2015 implementation based on gap analysis in a commercial brush and brush block processing plant <i>R.M.T.M. Ellagonna, E.D.N.S. Abeyrathne, K.P.M. Kahandage, D. Nayanajith</i>
054	Determination of the effect of green synthesized Carbon nanomaterial on physico-mechanical properties of natural rubber latex <i>H.B.H.H. Anuththara, E.A.L. Lochana, A.M.W.K. Senavirathna, W.D.M. Sampath</i>
060	Land suitability assessment for tea cultivation using machine learning approach in Uva Province, Sri Lanka <i>K.G.I. Nawanjali, R.A.G.C.N.M. Nawarathna, G. Abhiram</i>
065	A biodegradable handmade craft sheet using waste coconut milk residues with coconut coir fiber <i>W.T.E. Premajayantha, M.P. Charithangi, A.G.A.W. Alakolanga</i>
079	Effect of origin and processing methods on antioxidant properties of green tea <i>V. Thisany, G. Abhiram, J. Inthujan</i>



-
- 100** **Evaluation of the physio-mechanical properties and curing characteristics of rubber composites filled with boron-coated expandable graphite nanofiller**
R.P.C. Sankalpani, W.D.M. Sampath, E.A.L. Lochana, A.G.A.W. Alakolanga
- 106** **Development of a shoe sole material from reclaimed rubber and recycled plastics with natural rubber**
K. Gokul, G. Abhiram
- 111** **Deep learning approach for maturity classification of guava fruits (*Psidium guajava*)**
K. Vinothan, G. Abhiram
- 148** **Design and fabrication of prototype pulp extractor for palmyra fruit**
N. Thilakshan, G. Abhiram, R.A.G.C.N.M. Nawarathna
- 178** **Investigating the relationship between the physicochemical and sensory properties of selected low-grown tea grades from Sri Lanka**
K.P.S.T. Senani, G.A.A.R. Perera, A. Dissanayake
- 203** **Assessment of isotope variation in soil plant atmosphere system of hybrid chili (*Capsicum annuum*) variety MICH HY1 grown in a protected house**
H.P.K. Liyanage, R.R.U.R. Perera, E.A.N.V. Edirisinghe, G. Abhiram, N.S. Withanage, S. Priyadarshanee, M. Kalpage
- 207** **A novel approach to synthesize chlorinated natural rubber: direct chlorination of centrifuged latex**
U.M. Malliyawatta, I.H.K. Samarasinghe, A.M.W.K. Senevirathna
- 208** **Exploring the potential of dipterocarp resin in scented candle development**
W.P.S.S. Warnasooriya, E.P.S.K. Ediriweera, M.A.S.R. Senevirathna
- 15.30 **END OF POSTER SESSION**
-



AGRICULTURAL MICROBIOLOGY AND BIOTECHNOLOGY

22nd January 2026

Oral Session

Time: 11:00 - 14:40

Venue: English Learning Facility, E Block

Panel Members: **Prof. C.N. Walpita** (Sabaragamuwa University) - Chairperson
Dr. N.M.C. Nayanakantha (Uva Wellassa University)
Dr. M.M.S.N. Premetilake (Uva Wellassa University)

Paper ID Time	Title of Abstract Names of Authors
011 11:00-11:10	In-silico screening of phytochemicals from <i>Tamarindus indica</i> L. to inhibit the action of LSDV114 hypothetical protein of lumpy skin disease in cattle <u>A.R.P.M. Gunathilake, H.M.N.N. Hennayake, W.A.K.L. Aberathna, V. Sijani, H.M.N.P. Karunarathne, W.M.J.C.B. Kulasinghe, K.K.P. Karunarathne, M.S.S.P. Somarathna, L.N. Ranathunga</u>
012 11:10-11:20	In-silico exploration of chaperonin GroEL inhibitors from <i>Vitex negundo</i> L. leaf extract against <i>Streptococcus agalactiae</i> to control bovine mastitis <u>H.M.N.P. Karunarathne, W.M.J.C.B. Kulasinghe, A.R.P.M. Gunathilake, H.M.N.N. Hennayake, W.A.K.L. Aberathna, V. Sijani, K.K.P. Karunarathne, M.S.S.P. Somarathna, L.N. Ranathunga</u>
032 11:20-11:30	Effects of biofilm biofertilizer on tea quality: A spectroscopic approach <u>H.H.M.S.U. Hapukotuwa, M. Premarathna, G. Seneviratne, P.D.P.M.D. Silva, E.A.L. Lochana</u>
056 11:30-11:40	Effect of kinetin on shoot multiplication of pineapple (<i>Ananas comosus</i> var. MD2) <u>G.W.T.U. Govinna, R.N.I. Perera, N.M.C. Nayanakantha</u>
084 11:40-11:50	Evaluating the potential of an improved tea-leaf extract agar (TEA) medium for isolation of <i>Exobasidium vexans</i> <u>L.G.I. Dilukshi, P.D.P.M.D. Silva</u>
086 11:50-12:00	Evaluation of in-vitro synergistic anti-inflammatory effects of polyherbal preparation; dicloromethane leaf extract of <i>Ipomoea pes-caprae</i> (binthaburu) and <i>Scaevola taccada</i> (thakkada) <u>A.P.P.S. Dasanayaka, N.A.S.S.G. Sarathsena, A.V.L.K. Udalamaththa</u>
116 12:00-12:10	Morphological and molecular characterization of exotic coconut accessions in the field gene bank of the coconut research institute, Sri Lanka <u>R.M.P.T. Rathnayaka, C.R.K. Samarasinghe, H.D.M.A.C. Dissanayaka, M.K. Meeghakumbura</u>



- 150**
12:10-12:20
Callus development potential of *Gymnema sylvestre* (masbadda) in organ culture using coconut water in media
S.H.D.N. Subhasinghe, S.J. Arasakesary
- 151**
12:20-12:30
Investigation into quinolone resistance in *Escherichia coli* isolated from chicken at poultry slaughter establishments
P. Jeganathan, T.S.R. Fernando, G. Weerasooriya, P.S. De Alwis, R.P. Madalagama
- 183**
12:30-12:40
Resistance behavior of hybrid clones of cluster onion (*Allium cepa*) against anthracnose disease caused by *Colletotrichum gloeosporioides*
U.J. Kirunsiga, S.J. Arasakesary, S. Sritharan
- 192**
12:40-12:50
Optimization of an *in-vitro* regeneration protocol for Japanese cucumber (*Cucumis sativus* L.)
B. Viththagi, G. Thirukkumaran
- 196**
12:50-13:00
***In-vitro* evaluation of selected chemical fungicides against anthracnose disease caused by *Colletotrichum* spp.**
K.G.N. Upananda, W.M.R.W.B. Wijekoon, P.D.S.U. Kumari, W.B.C.P. Weerathne, R.D. Kodithuwakku
- 13:00-13:40
SESSION BREAK
- 199**
13:40-13:50
Isolation and molecular identification of plastic biodegradation bacteria from Badulla dumpsite, Sri Lanka
D.S.M.S. Shaumya, J.D.M. Senevirathna, N.W. Gunasekara, G.G.N. Thushari
- 201**
13:50-14:00
Enumeration of beneficial microorganisms in rice rhizosphere under different nutrient management conditions
P.H.N.H.P. Dhanapala, W.R.K.D.W.K.V. Wickramasinghe, P.D.S.U. Kumari, R.M.P.I. Rajapaksha
- 204**
14:00-14:10
Molecular identification of trevallies (*Caranx* spp.) in Sri Lanka using COI gene sequences
K.I. Wickramaratne, R.A.S. Udayangani, W.M.L.A. Wanasinghe, L.G.S. Lokugalappatti
- 223**
14:10-14:20
AI-enhanced population forecasting models for effective management of arthropod pests: A case study in haplodiploid spider mites (*Tetranychus ludeni*)
G.G.H.H. Prabodhana, Y.E.Y. Amarasekara, K. Pradishan, E.M.U.W.J.B. Ekanayake, A.N.R. Weerawansa
- 224**
14:20-14:30
Diversity of wild macrofungi in the mid-country (IM1a) and up-country (IU3c) intermediate zones of the Badulla district, Sri Lanka
Y.M.R.W.L. Herath, N.W. Gunasekara, A.N. Ediriweera, M.K. Meegahakumbura



226

14:30-14:40

Isolation and characterization of coprophilous micro-fungi from Asian elephant (*Elephas maximus*) dung in Sri Lanka

R.M.B.M. Rathnayake, N.W. Gunasekara, D.N. Wanasinghe, M.K. Meegahakumbura

14:40

END OF ORAL SESSION



Animal Production and Technology

22nd January 2026

Oral Session

Time: 11:00 - 14: 40

Venue: A2 Lecture Hall

Panel Members: **Prof. I. Pathirana** (University of Ruhuna) - Chairperson
Dr. G.A.A.R. Perera (Uva Wellassa University)
Mr. T. Jeyaharan (Freelance Consultant - Animal Nutrition)

Paper ID Time	Title of Abstract Names of Authors
028 11:00-11:10	Comparative evaluation of Mulato II, Ryegrass, and Kikuyu grass for biomass yield and nutritive value at different harvesting stages under highland conditions in Sri Lanka <i>H.H.G. Herath, T.T. Dilekshan, R.M.H. Tharangani</i>
039 11:10-11:20	Development of fermented low-cost total mixed ration using agricultural by-products for dairy cattle <i>P. Varanika, R.M.H. Tharangani</i>
045 11:20-11:30	Consumer acceptance and perception of meat alternatives among university students in Sri Lanka <i>L.S.A.A. Gunawardena, B.G.W.M.A. Aishcharya, M.A.P.M. Kumaradasa, K.M.N.T.K. Bandara, S.N.S.L.H.P. Neelawala, D.K.D.D. Jayasena</i>
059 11:30-11:40	Effect of storage duration on nutrient composition of rice polish at different three regions under room temperature condition <i>D.M.G.S.K.P. Dasanayake, W.L.B. Perera, N.M.N. Nambapana</i>
064 11:40-11:50	Effect of conditioning temperature on moisture loss and quality of broiler finisher feed pellets <i>S. Bannumathy, N.M.N. Nambapana</i>
082 11:50-12:00	Effect of moisture, toxin binder and acidifier on aflatoxin contamination in corn at a commercial feed mill <i>A.M.J.C. Abeykoon, W.M.H.K. Wijesundara, N.M.N. Nambapana</i>
090 12:00-12:10	Effectiveness of charcoal and <i>Terminalia catappa</i> leaves as bedding material for production performance and welfare of poultry <i>S. Kaviththira, U.D.P. Manjula, D.B.O. Malaweera</i>



- 102**
12:10-12:20 **Quality assessment of corn grain collected from two different regions in Sri Lanka**
T.M.P.T. Thilakarathna, A. Kumara, N.M.N. Nambapana
- 112**
12:20-12:30 **Occurrence and distribution of microplastics in broiler meat along commercial processing stages: a case study from Sri Lanka**
W.H.U. Ariyasinghe, G.G.N. Thushari, D.K.D.D. Jayasena
- 115**
12:30-12:40 **Analysis of factors influencing poultry production in Kilinochchi district**
S. Sivamohan, U.D.P. Manjula, S.N.S.L.H. Neelawala
- 138**
12:40-12:50 **Development, stability assessment, and sensory evaluation of probiotic-enriched dairy based egg spread**
W.G.S.M. Ranathunga, D.C. Mudannayake
- 147**
12:50-13:00 **Assessment of raw milk quality along the Nanuoya dairy supply chain and evaluation of gel ice intervention at farmer level**
T. Thibiga, D.C. Mudannayake, A.M.N.L. Abesinghe, K.W.D.M.J.C. Wickramasinghe, U.G.A.M.A.R.K. Athapaththu
- 13:00-13:40 **SESSION BREAK**
- 162**
13:40-13:50 **Prevalence and epidemiological insights of *Theileria orientalis* in cattle from Karachchi and Kandawala veterinary range in Kilinochchi district in Sri Lanka: an integrated analysis using microscopy and PCR**
E. Hemanivashini, S. Piratheepan
- 163**
13:50-14:00 **Development of whey-based beverage incorporated with pineapple (*Ananas comosus*)**
W.A.D.B Wickramaarachchi, K.K.T Sampath, A.M.N.L. Abesinghe
- 164**
14:00-14:10 **Effects of handling practices and environmental enrichment on welfare and productivity of Aseel chickens.**
V. Sarangan, U.D.P. Manjula, D.B.O. Malaweera
- 181**
14:10-14:20 **Comparative evaluation of Barfoed's spectrophotometric method and handheld glucometer for dextrose adulteration detection in raw milk**
S.G.N.S. Subawickrama, A.M.N.L. Abesinghe, K.W.D.M.J.C. Wickramasinghe
- 216**
14:20-14:30 **Development and quality evaluation of mozzarella cheese from a goat and cow milk blend enriched with sweet potato (*Ipomoea batatas*)**
J. Sameena, S. Piratheepan, T. Sansiya



220

14:30-14:40

Knowledge, attitudes, and practices of meat processing workers toward food hygiene: a case study in Sri Lanka

S.H.N. Abeysekara, M.A.P.M. Kumaradasa, K.M.N.T.K. Bandara, D.K.D.D. Jayasena, S.N.S.L.H.P. Neelawala

14:40

END OF ORAL SESSION

Poster Session

Time: 11:00 - 15:30

Venue: D1 Lecture Hall

Panel Members: Dr. A.M.N.L. Abesinghe (Uva Wellassa University)
Ms. N.S. Withanage (Uva Wellassa University)
Dr. A.S. Mahaliyana (Uva Wellassa University)

007

Comparison of fish oil extracted fish waste generated from baramundi (*Lates calcarifer*) with different extraction methods

T.D. Nagodavithana, K.D.K. Sewwandi, D.R.W.B. Wimalarathna, A.G.A.W. Alakolanga, E.D.N.S. Abeyrathne

016

Formulation of semi-moist cat food by incorporating industrial by-product waste from swordfish (*Xiphias gladius*) for young adult cats

E.A.S. Rupasinghe, D.K. Rathnayake, I.M.I.V. Illangakoon, E.D.N.S. Abeyrathne

067

Trust over knowledge: consumer attitudes and preferences driving antibiotic-free meat purchasing behavior in Galle district

A.M.H. Udara, B.G.W.M.A. Aishcharya, M.A.P.M. Kumaradasa, K.M.N.T.K. Bandara, S.N.S.L.H.P. Neelawala, D.K.D.D. Jayasena

157

Knowledge, attitude, and practices shaping awareness of microplastic contamination in animal-origin foods among Sri Lankan undergraduates

D.G.N. Tharaka, M.A.P.M. Kumaradasa, B.G.W.M.A. Aishcharya, K.M.N.T.K. Bandara, D.K.D.D. Jayasena, S.N.S.L.H.P. Neelawala

15.30

END OF POSTER SESSION



AQUATIC SCIENCES

22nd January 2026

Oral Session

Time: 11:00 - 14:40

Venue: C3 Lecture Hall

Panel Members: **Prof. K.H.M. A. Deepananda** (University of Ruhuna) - Chairperson
Dr. W.A.H.P. Guruge (University of Ruhuna)
Ms. A.C.W.W.M.C.L.K. Coswatte (Uva Wellassa University)

Paper ID Time	Title of Abstract Names of Authors
026 11:00-11:10	Microplastic contamination in selected food fish across different trophic levels in the Negombo lagoon, Sri Lanka <u>H.M.N.W. Chandrathilake, P.B.T.P. Kumara, K.P.G.K.P. Guruge</u>
029 11:10-11:20	Temporal and spatial prevalence of white spot syndrome virus and <i>Enterocytozoon hepatopenaei</i> in the shrimp Industry of northwestern Sri Lanka: PCR surveillance, 2021-2024 <u>K.S.B. Peiris, J.D.M. Senevirathna, E.G.R. Dayananda, J.A.S. Lakmal, J.A. Athula, N.P.P. Liyanage</u>
043 11:20-11:30	Abundance and diversity of whales in off Mirissa, southern coast of Sri Lanka <u>W.S. Induranga, R.M.P.A. Rathnayaka, J.D.M. Senevirathna, W.A.H.P. Guruge</u>
063 11:30-11:40	Effects of stocking density and nutrient supplementation on the growth of <i>Kappaphycus alvarezii</i> in tank culture <u>T. Nivethini, B.V.A.S.M. Bambaranda, T.S.R. Fernando, B. Nirooparaj</u>
114 11:40-11:50	Length-weight relationship and condition factor of <i>Oreochromis niloticus</i> (GIFT strain): a case study from Karaugahawewa reservoir in the Central province of Sri Lanka <u>R.M.S.S. Rathnayake, K.A. Bandara, G.G.N. Thushari</u>
122 11:50-12:00	Cooking and bio-accessibility impacts on chemical contaminant concentrations in seafood: Implications for seafood safety risk assessment <u>A.I.N Peiris, A.S. Mahaliyana</u>



- 129**
12:00-12:10 **Impact of the Paalameenmadu barmouth opening on fish production and socio-economic resilience in Batticaloa lagoon, Sri Lanka**
V. Abithra, I.U. Wickramaratne, S. Thayananth
- 133**
12:10-12:20 **Isolation, identification, and antibiotic resistance assessment of pathogenic bacteria from Ulhitiya and Rathkinda reservoirs in Badulla district, Sri Lanka**
T.T.R.P. Fernando, D.C. Mudannayake, W.M.L.A. Wanasinghe
- 146**
12:20-12:30 **The analysis of socio-economic status and industry challenges for sea cucumber farmers in northern province of Sri Lanka**
R. Poonkulali, K. Thileepan, P.C.B. Dias, N. Balachandran, E.M.U.W.J.B. Ekanayake, C.N. Walpita
- 149**
12:30-12:40 **Assessment of the effectiveness of Manganese and Iron removal from drinking water using a biological trickling filter system seeded with *Pseudomonas* and *Bacillus* spp.**
E.R.T.P. Ethauda, G. Abhiram, A.S. Mahaliyana, D.B. Kasturiarachchi, E.P. Rajapakse
- 160**
12:40-12:50 **Effect of pH on the growth and cellulose yield of *Chlorella vulgaris***
M.Z.F. Zamra, J.D.M. Senevirathna
- 185**
12:50-13:00 **Amphibian and selected aquatic associated species diversity: A case study in Bandiya dola Ella, Galle, Sri Lanka**
P.A.K. Subhashini, R.M.G.N. Rajapaksha
- 13:00-13:40 **SESSION BREAK**
- 191**
13:40-13:50 **Phytochemical composition and antioxidant potential of *Aponogeton rigidifolius*, a critically endangered aquatic plant endemic to Sri Lanka**
T.P. Sylvester, T.S.R. Fernando, B.V.A.S.M. Bambaranda, U.M.G.M.M. Bandara
- 197**
13:50-14:00 **Isolation and identification of pathogenic bacteria associated with mangrove sediments of Rekawa lagoon, Sri Lanka**
H.W.M. Navanjali, M.P. Kumara, N.T. Muthumuni, P.H.L. Karunasinghe, U.L.H.L. Dinethri, T.T.R.P. Fernando, W.M.L.A. Wanasinghe



198

14.00-14.10

Isolation and identification of pathogenic bacteria associated with Kalpitiya and Ettalai seagrass meadows of the Puttalam lagoon, Sri Lanka

N.T. Muthumuni, E.P.D.N. Thilakarathne, H.W.M. Navanjali, P.H.L. Karunasinghe, U.L.H.L. Dinethri, T.T.R.P. Fernando, W.M.L.A. Wanasinghe

205

14.10-14.20

Exploring waste of fish processing facility as substrates for black soldier fly (*Hermetia illucens*) larvae rearing and their nutrient composition as a replacement for fish meal in aquaculture feed

U.N.S.R. Awanthi, J.A. Athula, I. Abeyratna

218

14.20-14.30

Differentiating morphologically similar aquatic plant species (*Ludwigia repens* and *Ludwigia palustris*) using quantitative metrics

M.A.C. P. Athukorala, B.V.A.S.M. Bambaranda, G. Abhiram

225

14.30-14.40

Preliminary assessment of bacterial abundance and water quality in tube wells of Badulla and Trincomalee districts in Sri Lanka

U.L.H.L. Dinethri, A.C.W.W.M.C.L.K. Coswatte, P.H.L. Karunasinghe, T.T.R.P. Fernando, H.W.M. Nawanjali, N.T. Muthumuni, W.M.L.A. Wanasinghe

14.40

END OF ORAL SESSION

Poster session

Time: 11:00 - 15:30

Venue: D1 Lecture Hall

Panel Members: Dr. A.M.N.L. Abesinghe (Uva Wellassa University)
Ms. N.S. Withanage (Uva Wellassa University)
Dr. A.S. Mahaliyana (Uva Wellassa University)

Paper ID

Title of Abstract

Names of Authors

143

Fishery and socioeconomic status of Myliddy, Myliddithurai and Thyiddy fishing villages in northern Sri Lanka

J. Nilakshana, J.A. Athula, N.P.R. Deyshappriya

222

Antimicrobial potential of biosurfactant produced by thermophilic bacteria isolated from Maha oya hot water spring in Sri Lanka

P.H.L. Karunasinghe, U.L.H.L. Dinethri, T.T.R.P. Fernando, N.T. Muthumuni, H.W.M. Nawanjali, W.M.L.A. Wanasinghe

15.30

END OF POSTER SESSION



CROP PRODUCTION TECHNOLOGY

22nd January 2026

Oral Session

Time: 11:00 - 14:20

Venue: TLH2, Faculty of Technological Studies

Panel Members: **Prof. L. Suriyagoda** (University of Peradeniya) – Chairperson

Dr. L. Rankoth (University of Peradeniya)

Dr. J.B.D.A.P. Kumara (Sabaragamuwa University)

Paper ID Time	Title of Abstract Names of Authors
009 11:00-11:10	Evaluation of growing conditions to improve the growth and yield performance of horse gram (<i>Macrotyloma uniflorum</i>) microgreens <u>S.A.R.K. Gunawardhana, I.G.H.I. Jayakody, M.P.M. Arachchige and U.G.A.T. Premathilake</u>
018 11:10-11:20	Potential of <i>Acorus calamus</i> and <i>Justicia adhatoda</i> in protecting stored paddy grains against <i>Sitotroga cerealella</i> (Lepidoptera: Gelechiidae) <u>K.S.F. Sabira, S. Karunakaran</u>
022 11:20-11:30	Effect of different mulches on surface runoff, soil erosion, and weed suppression in newly planted tea land <u>U.M.K.K. Senevirathna, H.M.S.K. Herath, L.A.S.P. Jayasinghe, N.P.S.N. Bandara, P.D.P.M.D. Silva</u>
024 11:30-11:40	Effectiveness of Tea Yara fertilizer complex on the yield performance of mature tea (<i>Camellia sinensis</i>) in Kendagolla, Uva Region <u>K.G.J. Bhagya, V.P. Ellepola, H.M.S.K. Herath, A.H. Kulasiri, C.P. Ulpatakumbura</u>
041 11:40-11:50	Comparative evaluation of nursery performance of tea cultivar, TRI 3072 under conventional and rice husk charcoal-based potting medium <u>D.A.G.D. Karunasinghe, S.R.W.M.C.J.K. Ranawana, H.K.G.I.S.B. Hapuhinna</u>
073 11:50-12:00	Physiological and biochemical responses of tea (<i>Camellia sinensis</i> (L.) O. Kuntze) to waterlogging stress <u>M.G.O.C. Nandasena, M.M.N. Damayanthi, S.R.W.M.C.J.K. Ranawana</u>



- 087**
12:00-12:10
Evaluation of the optimum growth stage for propagation of potato (*Solanum tuberosum* L.) by apical rooted cuttings under protected cultivation conditions
Y.G.T.L. Rathnayaka, J.C. Pereira, P.E. Kaliyadasa, U.G.A.T. Premathilake
- 094**
12:10-12:20
Evaluation of chlorine as a sterilizer of soil-based tomato (*Solanum lycopersicum* L.) cultivation in protected agriculture
C.K.M. Suwandarathna, U.G.A.T. Premathilake, P.D.P.M.D. Silva, K.M.S. Kodikara
- 098**
12:20-12:30
Effects of different growth media compositions on *in-vitro* propagation of *Brassavola nodosa* (L.) Lindl: a hybrid orchid
I.U. Rubasinghe, T.T.D. Dharmarathne, P.E. Kaliyadasa
- 109**
12:30-12:40
Evaluation of paper-based products made from fiber extracted from foliage and bagasse of sugarcane (*Saccharum officinarum* L.)
B.W.N.C. Dhanapala, R.W.I.B. Priyadarshana, S.R.W.M.C.J.K. Ranawana, P.E. Kaliyadasa
- 154**
12:40-12:50
Management of cucumber mosaic virus through alternative host identification and organic plant extract applications
W.B.M.K.P. Weerasekara, P.D.P.M.D. Silva, N.M. Ubeysekara, W.M.S.D.K. Wijerathne
- 170**
12:50-13:00
Evaluation of different potting media compositions and UV exposure durations for acclimatization of *in-vitro* cultured haworthia (*Haworthia retusa*)
B.M.M.W.K. Bandara, T.T.D. Dharmarathna, P.E. Kaliyadasa
- 13:00-13:40
SESSION BREAK
- 188**
13:40-13:50
Evaluation of potting media and fertilizer schedule for enhancing growth and yield performance of zucchini (*Cucurbita pepo* L.) under protected cultivation
A.U.S. Dewanatha, U.G.A.T. Premathilake, I.G.H.I. Jayakody
- 190**
13:50-14:00
Root knot nematode (*Meloidogyne* spp.) associated with selected solanaceous crops in central province, Sri Lanka
W.M.D.T. Wanninayaka, K.M.D.W.P. Nishantha, A.N.R. Weerawansa, P.D.P.M.D. Silva
- 193**
14:00-14:10
Identification of agricultural land use changes and its driving factors: a case study in Welimada divisional secretariat, Sri Lanka
S.P.U. Kaveesha, G.Y.A.D.D. Perera, R.A.G.C.N.M. Nawarathna



215

14:10-14:20

Effect of palmyrah (*Borassus flabellifer* L.) seed shell biochar on growth and yield of okra (*Abelmoschus esculentus* L.) and soil improvement

N. Sathurshiya, B. Anuluxshy, R.W.I.B. Priyadarshana, H.M.S.K. Herath

14:20

END OF ORAL SESSION

Poster session

Time: 11:00 - 15:30

Venue: D1 Lecture Hall

Panel Members: Prof. K.G. Premathilake (Former Professor, Uva Wellassa University)
Dr. M.G.P.P. Mahindaratne (Uva Wellassa University)
Dr. M.P.M. Arachchige (Uva Wellassa University)

Paper ID

Title of Abstract

Names of Authors

023

Effectiveness of coconut water supplemented NPK fertilizer on the growth and yield of chilli MICH HY 01 (*Capsicum frutescens* L.)

M.N.S. Apros, M.M.A. Mustaque, M.P. Charithangi, H.M.S.K. Herath

113

Comparison of growth performances of selected tea (*Camellia sinensis* [L.] O. Kuntze) cultivars under medium-sized coir-pith pellets and conventional soil media at the nursery stage

W.H.M.J.M. Wickramasinghe, M.T.V. Tharuka, G. Abhiram, R.K.R.M.A. Gunasena, M.K. Meegahakumbura

145

Comparative study of long-term bed systems and crop rotation on the sustainability of sweet potato farming

D.A.M.S. Perera, J.M.D.D.E. Jayamanne, G.Y.A.D.D. Perera, T.T.D. Dharmarathna, R.P.D. Randunu

206

Evaluation of different ethephon concentrations on vegetative characteristics, flowering, and yield performance of cucumber (*Cucumis sativus* L.)

G.I.D.D.N. Wijesinghe, K.H.S.T. Deshabandu, U.G.A.T. Premathilake, P.W. Jeewanthi

213

RAG-enabled intelligent crop recommendation system

M.Z.I.A.A.S. Ibrahim, B. Gobihanath, V. Abishethvarman, B.T.G.S. Kumara

15.30

END OF POSTER SESSION



ENVIRONMENTAL SCIENCE AND CLIMATE CHANGE

22nd January 2026

Oral Session

Time: 11:00 - 13:50

Venue: Language Laboratory

Panel Members: **Prof. H.B. Asanthi** (University of Ruhuna) - Chairperson
Dr. I.D. Sinhalage (Uva Wellassa University)
Mr. W.A.A.U. Kumara (Ocean University)

Paper ID Time	Title of Abstract Names of Authors
027 11:00-11:10	Multi-matrix investigation of microplastics in the Negombo lagoon, Sri Lanka <i>P.L. Manuragi, P.B.T.P. Kumara, K.P.G.K.P. Guruge</i>
074 11:10-11:20	Detecting microplastic's bioaccumulation in red earthworm <i>Eisenia fetida</i> (Savigny, 1862) via FTIR assay <i>K. Kayavarnan, K. Pakeerathan, G. Sashikesh</i>
081 11:20-11:30	Biomass and sediment carbon stocks in seagrass meadows of Jaffna Lagoon, Sri Lanka <i>N.K.N.S. Nagasinghe, W.K. Suwandhahennadi, M. Rajapaksha, B.M.C.A. Bandara, M.S. Marapana, K. Gunaalan, P.B.T.P. Kumara, K.P.G.K.P. Guruge</i>
093 11:30-11:40	Assessment of macro litter on selected locations of the southern coast of Sri Lanka <i>K.K.H.C. De Silva, W.K. Suwandhahennadi, K.P.G.K.P. Guruge</i>
097 11:40-11:50	Quantitative and qualitative analysis of visually observed coastal debris along the Hambantota coastline, Sri Lanka <i>M.S.F. Nuska, P.G.M.S.K. Gamage, G.G.N. Thushari</i>
101 11:50-12:00	Assessment of riverbank morphological dynamics caused by the gem mining activities along the tributary of Kalu river basin in the Elapatha DS division – Rathnapura, Sri Lanka <i>B.A.M.L. Wijerathna, R.M.G.N. Rajapaksha, T.W.S. Warnasuriya</i>
125 12:00-12:10	Assessment of morphometric characteristics and land use land cover changes in upper Maha Oya river basin, Sri Lanka <i>A.N.F. Nibeela, R.M.G.N. Rajapaksha</i>



136

12:10-12:20

Abundance, composition and spatial distribution of coastal macro debris along the southern Gampaha coastline, Sri Lanka

W.A.T.N. Kumari, A.P. Abeygunawardana

155

12:20-12:30

Effect of the ENSO events on the seasonal variability of precipitation over Sri Lanka

N.R.E. Perera, E.P.D.N. Thilakarathne

161

12:30-12:40

Spatiotemporal investigation of fragmented mangrove patches in Nayar lagoon, Sri Lanka using Sentinel-2 and machine learning algorithms

L.H.D.N.K. De Silva, A.P. Abeygunawardana, J.A.D.S.S. Jayakody

172

12:40-12:50

Effect of poultry manure feeding rate on black soldier fly (*Hermetia illucens*) larvae composting efficiency

H.B.D. Viduranga, U.D.P. Manjula

211

12:50-13:00

Temporal analysis of vegetation cover changes in Palatupana sand dunes, Sri Lanka

C.S. Gamage, E.P.D.N. Thilakarathne, W.G.I.T. Gunathilaka

13.00-13.40

SESSION BREAK

233

13:40-13:50

A preliminary study on disposal practices of unwanted pharmaceuticals at the household level in Sri Lanka: implications for aquatic pollution

K.D. Navodha, K.P.G.K.P. Guruge, T.N. Watawala, A.S. Mahaliyana

13.50

END OF ORAL SESSION



Poster session

Time: 11:00 - 15:30

Venue: D1 Lecture Hall

Panel Members: Dr. A.M.N.L. Abesinghe (Uva Wellassa University)
Ms. N.S. Withanage (Uva Wellassa University)
Dr. A.S. Mahaliyana (Uva Wellassa University)

Paper ID	Title of Abstract Names of Authors
092	Evaluation of physical properties of biochar produced from selected organic wastes at different pyrolysis conditions <i>S.A.T.H. Sankhapala, R. Thivyatharsan, R.B.T.M. Piyasinghe</i>
135	Assessment of microplastic contamination and distribution in soil around a selected landfill site in Galle, southern province, Sri Lanka <i>H.G.N. Sewwandi, R.N.I. Navindi, W.M.K.R.T.W. Bandara, G.G.N. Thushari, G.G.T. Chaminda</i>
184	Microplastic pollution in freshwater systems along an urban-suburban gradient of southern Sri Lanka <i>M.J.M. Althaf, M.N.M. Shayan, W.M.K.R.T.M. Bandara, G.G.N. Thushari, H. Satoh, G.G.T. Chaminda</i>
15.30	END OF POSTER SESSION



FOOD SCIENCE AND TECHNOLOGY

22nd January 2026

Oral Session

Time: 11:00 - 15:00

Venue: A1 Lecture Theater

Panel Members: **Prof. J.K. Vidanarachchi** (University of Peradeniya) – Chairperson
Mr. P.C. Arampath (University of Peradeniya)
Dr. M.K. Ranasinghe (Uva Wellassa University)

Paper ID Time	Title of Abstract Names of Authors
006 11:00-11:10	Evaluation of sensory and physicochemical changes in Tilapia fish (<i>Oreochromis niloticus</i>) during hot smoking with different leaf wraps <u>S. Yanorshan, N.G.G. Amanda, A.G.A.W. Alakolanga, E.D.N.S. Abeyrathne</u>
095 11:10-11:20	Development of Mung bean-based vegan ice cream fortified with inulin as a prebiotic <u>P.L. Sewmini, D.C. Mudannayake</u>
119 11:20-11:30	Effect of ultrasound and enzyme treatments on Anthocyanin extraction from butterfly Pea flower (<i>Clitoria ternatea</i> L.) for application as a natural food colorant <u>H.M.C. Wijerathne, V.G.G. Chandrajith</u>
120 11:30-11:40	Characterization of modified Taro (<i>Colocasia esculenta</i>) starch by pre-gelatinization, acid, and dextrinization processes <u>N.W.N.S. Ranasinghe, K.M.G.M.M. Kariyawasam, R.S. Akshana</u>
124 11:40-11:50	Comparative analysis of cooking induced changes in nutritional, physicochemical, and sensory properties of two Sri Lankan sweet potato (<i>Ipomoea batatas</i> L.) varieties <u>M. Vithya, M.P.M. Arachchige, N.M. Wijesundara</u>
134 11:50-12:00	Network pharmacology-based elucidation of the protective mechanisms of the <i>Flacourtia inermis</i> Roxb. against oxidative stress <u>I.C. Illangasinghe, N.E. Wedamulla, W.A.J.P. Wijesinghe</u>



- 137**
12:00-12:10
Evaluation of physicochemical, sensory, and nutritional properties of gluten-free instant noodles formulated from Jackfruit seed flour and purple Yam flour
R.M.P. Manohari, S.D.N. Kaushalya, N.E. Wedamulla, W.A.J.P. Wijesinghe
- 142**
12:10-12:20
Effect of Pectin on 3D printability and structural properties of pre-gelatinized potato starch gel
S.S. Jayasinghe, N.E. Wedamulla, E.-K. Kim, W.A.J.P. Wijesinghe
- 165**
12:20-12:30
Effects of churning temperature and working time on the composition of salted butter
M.K.K. Dilrukshi, A.M.N.L. Abesinghe, K.W.D.M.J.C. Wickramasinghe
- 171**
12:30-12:40
Development of a synbiotic fish spread using Indian Mackerel (*Rastrelliger kanagurta*) with *Streptococcus thermophilus* and Inulin Oleogel
D.H. Ruhunage, D.C. Mudannayake
- 174**
12:40-12:50
Development and characterization of packaging films from Seaweed (*Kappaphycus alvarezii*) Carrageenan and Taro Yam (*Colocasia esculenta*) starch
R.P.S.S. Sankalpana, K.M.G.M.M. Kariyawasam, W.M.M. Maduwantha
- 180**
12:50-13:00
Development of a composite film using Arrowroot (*Maranta arundinacea*) starch and evaluation of moisture barrier properties in ice cream cones
H.A.A. Maleesha, N.M. Wijesundara, K.S.T.Y. Seranga, J.K. Vidanarachchi, A.M.N.L. Abesinghe
- 13.00-13.40
SESSION BREAK
- 182**
13:40-13:50
Effect of Agar-Gelatin combinations on color stability and physicochemical properties of jelly at refrigerated storage
N.K.U. Nayanamali, A.M.N.L. Abeysinghe, G.E.M. Wimalasiri
- 187**
13:50-14:00
Comparative evaluation of ISO 14502-2:2005(E) and ISO 10727:2002(E) methods for Caffeine analysis in black Tea: implications for quality control and value addition in the Tea industry
H.N. Ranathungamachchige, H.D. Weerathunge, K.P.M. Kahandage, S.I.S. De Silva, G.G.P. Senanayake, C.M. Lokuge
- 228**
14:00-14:10
Formulation of sustainable gluten-free food ink using jackfruit seed flour for extrusion-based 3D food printing
G.D. Weerawanni, S.D.N. Kaushalya, E.-K. Kim, N.E. Wedamulla, W.A.J.P. Wijesinghe



230

14:10-14:20

Effects of soaking on structural properties and hydrolysability of velvet bean (*Mucuna pruriens*) proteins

A.P.J.C. Hemachandra, A.G.A.W. Alakolanga

14:20

END OF ORAL SESSION

Poster Session

Time: 11:00-15:30

Venue: D1 Lecture Hall

Panel Members: Prof. K.G. Premathilake (Former Professor, Uva Wellassa University)
Dr. M.G.P.P. Mahindaratne (Uva Wellassa University)
Dr. M.P.M. Arachchige (Uva Wellassa University)
Dr. A.M.N.L. Abesinghe (Uva Wellassa University)
Ms. N.S. Withanage (Uva Wellassa University)
Dr. A.S. Mahaliyana (Uva Wellassa University)

Paper ID

Title of Abstract

Names of Authors

010

Development of ready-to-serve soup using low grade fresh water fish *Labeo rohita*

L.A.L. Gunawardana, T.S. Devarshi, E.D.N.S. Abeyrathne

021

Development and quality evaluation of cookies partially substituted with Date (*Phoenix dactylifera* L.) seed powder as a functional ingredient

S. Shifana, K.M.G.M.M. Kariyawasam, R.S. Akshana

037

Optimization of enzymatic decortication of black pepper (*Piper nigrum* L.) for white pepper production

S.M.M.R.L.S. Senanayake, G.A.A.R. Perera, H.M.A.P. Muhandiram

058

Development of papad-like snack incorporating *Kappaphycus alvarezii* and *Vigna mungo* flour

S. Vithursini, B.V.A.S.M. Bambaranda, D.C. Mudannayake, B. Nirooparaj

061

Improvement of Cinnamon (*Cinnamomum zeylanicum* L.) bark oil distillation recovery percentage

P.M.T.K. Pathiraja, G.A.A.R. Perera

068

Influence of fractionated cocoa butter on the heat stability of dark chocolates formulated with Trinitario and Forastero (*Theobroma cacao* L.) varieties

P.H.U.I. Karunananda, D.N. Liyanage



- 075** **Effect of enzyme pretreatment, physical form, and distillation time on oil yield of black pepper (*Piper nigrum* L.), extracted via steam distillation**
W.M.T.D. Weerasinghe, V.G.G. Chandrajith, H.M.A.P. Muhandiram
- 085** **Development and evaluation of consumer acceptability of ready-to-eat breakfast cookie from finger millet and soy for middle-aged adults**
M.A.A.I. Mallikaarachchi, C. Ranasinghe, D.B.O. Malaweera, N.M. Wijesundara
- 099** **Potential of antioxidant enhancement in *Averrhoa carambola* through probiotic fermentation using *Streptococcus thermophilus* to develop a functional beverage**
R.A.D. Hansika, D.C. Mudannayake
- 108** **Development and optimization of soy-based yogurt with enhanced nutritional and sensory properties**
P.A.T. Thissera, K.M.G.M.M. Kariyawasam
- 121** **Optimize extraction process to differentiate natural and artificial sources of methyl salicylate in black Tea**
S. Kamsarujan, G. Abhiram, J. Inthujan, G. Thibiha
- 123** **Optimization of steam sterilization conditions for curry leaves (*Murraya koenigii*) to preserve quality attributes**
J.A.S.M. Jayakody, N.E. Wedamulla, B. Wanigasooriya
- 131** **Assessment of bee honey quality and associated floral diversity: a case study in Badulla district, Sri Lanka**
W.G.U. Eshani, M.P.M. Arachchige, A.N.R. Weerawansa
- 139** **Comparative evaluation of antioxidant activities in raw coconut (*Cocos nucifera* L.) protein isolates**
W.A.N. Sathyani, E.D.N.S. Abeyrathne, A.G.A.W. Alakolanga
- 168** **Development of a probiotic ice cream using Beetroot (*Beta vulgaris* L.) extract as a natural colorant and *Saccharomyces boulardii* as a functional probiotic**
G.A.N.P. Perera, D.C. Mudannayake
- 173** **Development and nutritional evaluation of shrimp shell powder enriched pasta**
M.G.D. Tharushika, D.C. Mudannayake
- 179** **Development of a refreshing beverage: coconut water lemonade incorporated with black pepper (*Piper nigrum* L.)**
W.A.S.K. Nawodya, W.M.A.D. Wijenayake, N.M. Wijesundara



194

Nutritional profiling and development of a dairy dessert incorporating *Nymphaea nouchali* flower extracts

D.G.A.S. Gomes, B.V.A.S.M. Bambaranda, D.C. Mudannayake

217

Natural tenderization of spent broiler breeder hen meat with ginger and tamarind: implications for value-added meat product development

G.L.T. Deshapriya, B.G.W.M.A. Aishcharya, M.A.P.M. Kumaradasa, K.M.N.T.K. Bandara, T.G.S. Chathuranga, A.U. Alahakoon, D.K.D.D. Jayasena

219

Evaluation of different thawing methods on the physicochemical and sensory properties of chicken sausages

U.G.S.S. Bhagya, B.G.W.M.A. Aishcharya, M.A.P.M. Kumaradasa, N.K.P.K. Dayarathna, K.M.N.T.K. Bandara, A.U. Alahakoon, D.K.D.D. Jayasena

227

Chemical characterization of tea fluff: a by-product of secondary tea processing

D.P.N. Sirimanna, A.G.A.W. Alakolanga

234

Preparation and quality evaluation of spicy jam made from unripe mango (*Mangifera indica*)

A.A.N.S. Perera, V.G.G. Chandrajith

15.30

END OF POSTER SESSION



Committees – NSALS '26

Organizing Committee

Advisory Committee	: Prof. H.M.S.K. Herath (Dean/FASEA) Dr. N.M.N. Nambapana (Head/DANS) Dr. M.K.S.L.D. Amarathunga (Head/DEAG) Prof. W.A.J.P. Wijesinghe (Head/DFST)
Chairperson	: Prof. D.C. Mudannayake
Secretary	: Dr. G. Abhiram

Activity	Team Members	
Certificates and Awards	Dr. A.M.N.L. Abesinghe Prof. A.M.W.K. Senavirathna Ms. V.P. Ellepola	Ms. E.A.L. Lochana
Docket Arrangement	Mr. D.B.O. Malaweera Prof. D.K.D.D. Jayasena	Dr. R.M.H. Tharangani
Financial Management and Budgeting	Dr. M.G.P.P. Mahindaratne Dr. S.R.W.M.C.J.K. Ranawana	
Fundraising	Prof. D.K.D.D. Jayasena Prof. E.D.N.S. Abeyrathne Dr. M.K. Meegahakumbura Dr. W.M.N.M. Wijesundara Dr. S.N.S.L.H.P. Neelawala Mr. R.G.D.R. Jayawickrama	Dr. M.K.S.L.D. Amarathunga Dr. J. A. Athula Dr. B.V.A.S.M. Bambaranda Dr. V.G.G. Chandrajith
Graphic Designing and Creative Work	Dr. N.W. Gunasekara Mr. R.A.G.C.N.M. Nawarathna	
Hospitality and Logistics	Dr. U.D.P. Manjula Dr. S.R.W.M.C.J.K. Ranawana Dr. N.E. Wedamulla	Dr. M.P.M. Arachchi Ms. V.P. Ellepola
Media and Broadcasting	Mr. R.G.D.R. Jayawickrama Mr. P.C.B. Dias Mr. R.W.I.B. Priyadarshana	
Organizing and Hall Arrangement Committee for the Inaugural Session	Ms. G.Y.A.D.D. Perera Prof. P.E. Kaliyadasa Dr. B.V.A.S.M. Bambaranda Ms. V.P. Ellepola	Ms. N.S. Withanage Ms. I.U. Wikramarathna



**Programme Booklet and
Proceedings****Dr. G.G.N. Thushari**

Prof. W.A.J.P. Wijesinghe
Dr. J.D.M. Senevirathna
Dr. P.D.P.M.D. Silva

Ms. R.M.G.N. Rajapaksha
Ms. K.P.M. Kahandage
Ms. K.P.G.K.P. Guruge

Registration and Invitation**Dr. U.G.A.T. Premathilake**

Dr. G.A.A.R. Perera
Dr. N.W. Gunasekara

Dr. T.S.R. Fernando
Dr. A.S. Mahaliyana

Technical Team**Mr. R.A.G.C.N.M. Nawarathne**

Mr. P.C.B. Dias
Ms. T.T.D. Dharmarathna

Poster Session**Dr. V.G.G. Chandrajith**

Prof. E.D.N.S. Abeyrathne
Dr. J. A. Athula
Ms. L.D. Oshadee

Dr. B.V.A.S.M. Bambaranda
Ms. K.M.H.M.K. Kulasekara



Symposium Track Coordinators

Track	Coordinator(s)	Supportive Staff
Agricultural Economics, Agribusiness Management, Extension and Entrepreneurship	Dr. R.A.P.I.S. Dharmadasa	Ms. T.S.N. De. Silva
	Dr. M.W.A.C.S. Wijethunga	Ms. S.R.M.M.N. Bandara
Agricultural Engineering and Process Technology	Dr. A.G.A.W. Alakolanga	Ms. W.K. Apsara
	Ms. M.P. Charithangi	
Agricultural Microbiology and Biotechnology	Dr. J.D.M. Senevirathna	Ms. K. Krishani
	Dr. P.D.P.M.D. Silva	Ms. R.M.N. Hansika
Animal Production and Technology	Prof. E.D.N.S. Abeyrathne	Dr. B.M.U.K.
	Dr. K.K.T.N. Ranaweera	Bandaranayaka
Aquatic Sciences	Mr. N.P.P. Liyanage	Mr. S. Hariharan
	Ms. A.C.W.W.M.C.L.K.	Ms. P.A.N.D. Peramuna
	Coswatte	
Crop Production Technology	Dr. A.N.R. Weerawansa	Ms. S.S. Jayasinghe
	Mr. R.W.I.B. Priyadarshana	
Environmental Science and Climate Change	Ms. K.P.G.K.P. Guruge	Ms. A.A.D.O. Himarangi
	Ms. P.W. Jeewanthi	Ms. H.G.I.N. Chandrarathna
Food Science and Technology	Dr. M.K. Ranasinghe	Ms. W.G.S.M. Ranathunga
	Dr. W.M.N.M. Wijesundara	



Editorial Board

Editor-in-Chief

Dr. G.G.N. Thushari

Editorial Committee

Prof. W.A.J.P. Wijesinghe

Prof. E.D.N.S. Abeyrathne

Dr. R.A.P.I.S. Dharmadasa

Mr. N.P.P. Liyanage

Dr. M.K. Ranasinghe

Dr. W.M.N.M. Wijesundara

Dr. M.W.A.C.S. Wijethunga

Dr. A.G.A.W. Alakolanga

Dr. J.D.M. Senevirathna

Ms. R.M.G.N. Rajapaksha

Ms. K.P.M. Kahandage

Dr. A.N.R. Weerawansa

Ms. P.W. Jeewanthi

Ms. A.C.W.W.M.C.L.K. Coswatte

Dr. P.D.P.M.D. Silva

Ms. K.P.G.K.P. Guruge

Dr. K.K.T.N. Ranaweera

Ms. M.P. Charithangi

Mr. R.W.I.B. Priyadarshana

Editorial Assistant

Ms. E.R.M.S. Ekanayake



Uva Wellassa University of Sri Lanka

Nestled amid the misty mountains of Badulla, Uva Wellassa University (UWU) of Sri Lanka is located in the Uva Province of Sri Lanka. Its distinctiveness lies not only in its scenic surroundings and cool climate but also in being Sri Lanka's inaugural entrepreneurial university. It provides an inspiring academic environment that fosters excellence, sustainability, and community engagement. Positioned as one of the nation's youngest academic institutions, Uva Wellassa University, guided by its motto "Value Addition to the National Resource Base," aims to craft graduates who are well-rounded and possess entrepreneurial acumen to address industry needs for sustained national development.



Established in 2005 as the 14th national university in Sri Lanka, Uva Wellassa University currently comprises five faculties: Animal Science and Export Agriculture, Applied Sciences, Management, Technological Studies, and Medicine. These faculties offer unique degree programs designed to enhance various surfaces of Sri Lanka's diverse resource base. The programs cover areas such as Aquatic Resources, Animal Production and Food Technology, Export Agriculture, Tea Technology & Value Addition, Palm & Latex Technology, Plantation Management and Technology, Mineral Resources, Science and Technology, Computer Science, Information Technology, Hospitality, Tourism & Events Management, Human Resources, English and Linguistics, Entrepreneurship, Biosystems and Engineering Technology and Medicine. Since its inception, Uva Wellassa University has successfully produced tech-savvy graduates specializing in their respective fields, equipped with positive attitudes and essential soft skills including communication, creativity, rational thinking, and a proactive mindset. The university's holistic approach to teaching, learning, and research underscores the importance of addressing gaps and exploring possibilities in adding value to the national resources by significantly contributing significantly to the socio-economic development of the country.



The university benefits from a dynamic, highly competent, and youthful team of exceptionally skilled lecturers, who contribute their diverse expertise and experiences to enhance the overall teaching and learning environment. Uva Wellassa University provides students with a solid foundation for scientific research across different disciplines under the mentorship of experienced scholars. The university's scientific research endeavors align with the vision of adding value to the national resource base through



effective and optimized utilization. The annual International Research Conference (IRC UWU) offers Uva Wellassa University students a key platform to present their research and engage with industry professionals and academic experts. This event plays a crucial role in fostering a culture of research and knowledge exchange within the university community.



Further, Uva Wellassa University stands apart from other national universities through its innovative governance and centralized resource utilization system, by ensuring equitable access to resources and services across all faculties.

The university experiences an annual increase in student enrollment, currently hosting over 4500 undergraduate and postgraduate students. The student body of Uva Wellassa University actively participates in a wide range of extracurricular

activities that contribute to the well-being of the local community and the university through Corporate Social Responsibilities, while also playing a significant role in enhancing students' personal growth, leadership skills, and overall development. In line with its role as a knowledge hub, Uva Wellassa University engages in activities aimed at sharing knowledge, experience, and resources with the local community through initiatives such as the University Business Linkage Cell, Faculty Technology Transfer Cells, and other service centers. These cells and centers play a crucial role in bridging the gap between the university system and society, facilitating the dissemination of relevant resources. The university organizes programs that address societal needs as they arise. Uva Wellassa University places a strong emphasis on sustainable development and actively promotes environmentally friendly practices and alternatives. Since its inception, UWU has benefited from the visionary leadership of its Vice Chancellors, beginning with Dr. Chandra Embuldeniya, followed by Prof. Ranjith Premalal de Silva, Dr. Gamani Chandrasena, Prof. Jayantha Lal Ratnasekera, and currently, the tenure is held by Senior Prof. Kolitha B. Wijesekara with his dedicated guidance. Their collective efforts, combined with the dedication of the UWU Family, have propelled the university to its present stature as a center of excellence and also expect to reach new heights.

The university provides its undergraduates with a stimulating environment that fosters innovation. Uva Wellassa University's alumni serve as testament to the institution's ability to produce well-rounded, employable, technologically skillful, and entrepreneurial graduates. As it continues to grow and transform, Uva Wellassa University stands as a beacon of academic and entrepreneurial excellence, inspiring innovation and shaping a brighter and more sustainable future for Sri Lanka and beyond.



Faculty of Animal Science and Export Agriculture

The Faculty of Animal Science and Export Agriculture (FASEA) of Uva Wellassa University (UWU) acts as a leading hub in agricultural education and innovation in Sri Lanka. Established in 2005 as one of the university's inaugural faculties, it has consistently contributed to the development of competent agricultural professionals who support national agricultural advancement. In alignment with a strong focus on science, entrepreneurship, and technology, the faculty prepares graduates to meet the challenges of a rapidly evolving agricultural landscape.

FASEA comprises three specialized departments: Department of Animal Science, Department of Export Agriculture and Department of Food Science and Technology. Together, they currently offer six unique undergraduate degree programs tailored to address critical national needs: BScHons (Animal Production and Food Technology), BScHons (Aquatic Resources Technology), BScHons (Export Agriculture), BScHons (Tea Technology and Value Addition), BScHons (Palm & Latex Technology and Value Addition), and BScHons (Plantation Management and Technology). These four-year degree programs, conducted in English and aligned with the Sri Lanka Qualification Framework (SLQF) Level 6, prioritize hands-on-experience, field exposure, industrial internships, and research projects to ensure that the students are well-rounded and professionally prepared upon graduation.

With a proposed annual intake of 543 students, the faculty plays a pivotal role in addressing critical gaps in Sri Lanka's agriculture sector. Its graduates are envisioned not only as future leaders but also as drivers of innovation and value addition across diverse agricultural domains. In addition to imparting knowledge, the faculty is committed to cultivating essential skills and attitudes, encouraging entrepreneurship among students, and promoting sustainable practices in agriculture. At the postgraduate level, the faculty offers Master of Philosophy (MPhil) programs across diverse agricultural disciplines. These research-based programs are designed to equip students with the skills and knowledge necessary to address complex challenges in the agriculture sector. In addition, FASEA conducts external programs, including short courses offering to the growing demand for specialized expertise and professional development.



The faculty's commitment to excellence extends beyond academics and research. Over the years, academic staff members of FASEA have been recognized for their outstanding contributions to research, with numerous awards, including the prestigious President's Awards. Faculty members play a major role to gain distinction as a leader in agricultural research publications on a per capita basis. Equipped with cutting-edge facilities, including over 25 advanced laboratories, specialized centers, & cells, and supported by a dedicated academic team of over 60 members, the FASEA

continues to advance Sri Lanka's agricultural development. Its graduates, endowed with comprehensive knowledge, practical skills, and an entrepreneurial mindset, are career-ready to lead the sector toward a sustainable and prosperous future, fully realizing the vision of the university. Currently, Prof. H.M.S.K. Herath serves as the Dean of the Faculty, providing visionary leadership to uphold academic excellence and foster innovation.



PAST SYMPOSIA - NSALS '24

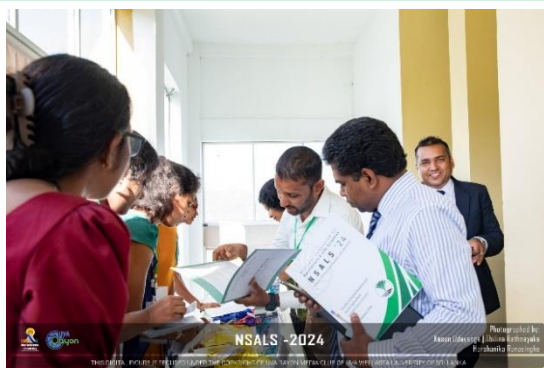
The National Symposium on Agriculture and Life Sciences 2024 (NSALS '24) was successfully held on January 5, 2024, marking the inaugural symposium organized by the Faculty of Animal Science and Export Agriculture.

The event provided a dynamic platform for researchers, academics, industry professionals, and students to present their findings, exchange innovative ideas, and discuss emerging trends in agriculture and life sciences. NSALS '24 was not limited to participants from Uva Wellassa University but also welcomed undergraduates from other universities across Sri Lanka. This approach established NSALS as a truly national platform, enabling undergraduates to share and exchange their latest scientific findings and innovations with peers from diverse academic institutions. The symposium revolved around the theme, **“Shaping the Future: Research and Innovations,”** highlighting the pivotal role of academia in addressing contemporary challenges and fostering research-driven solutions for the agriculture and life sciences sectors. The keynote address, titled “Inventions and Innovations Towards Sustainability,” was delivered by Prof. Rangika Halwathura, a distinguished Professor in Civil Engineering from the Department of Civil Engineering, University of Moratuwa, Sri Lanka. Additionally, Mr. Anurudda Gamage, General Manager/Head of HR & Corporate Sustainability at Kelani Valley Plantations PLC, Sri Lanka, delivered a special address on the importance of graduates contributing to a sustainable, ethical, and responsible workforce.

The symposium highlighted 100 scholarly abstracts, reflecting the diverse and impactful research contributions of the participants. The event was expertly coordinated by Dr. Kasun Meegahakumbura, with Ms. Ayantha Abeygunawardana serving as secretary, ensuring a smooth and successful execution of this landmark national gathering.

NSALS '24 not only highlighted cutting-edge research but also strengthened collaborations between academia and industry, reinforcing the commitment of Faculty to promoting research excellence and contributing to the advancement of Sri Lanka’s agricultural and life sciences sectors.







PAST SYMPOSIA - NSALS '25



The Faculty of Animal Science and Export Agriculture (FASEA), Uva Wellassa University (UWU) proudly hosted the second annual National Symposium on Agriculture and Life Sciences (NSALS '25), the Undergraduate Research Symposium of FASEA-UWU on 23rd January 2025. With the theme of **"Empowering Sustainability through Innovations"**, NSALS '25 strives to ignite meaningful

conversations, foster synergistic partnerships, and stimulate groundbreaking ideas that extend beyond the scope of the event. The symposium highlighted UWU's enduring dedication to expanding knowledge boundaries, championing innovation, and steering progress toward a sustainable and prosperous future.

NSALS '25 covered eight thematic tracks, each highlighting critical areas of agriculture and life sciences: Agricultural Economics, Agribusiness Management, Extension, and Entrepreneurship; Agricultural Engineering and Process Technology; Agricultural Microbiology and Biotechnology; Animal Production and Technology; Aquatic Sciences; Crop Production Technology; Environmental Science and Climate Change; Food Science and Technology. This year, following a meticulous peer-review process, over 175 outstanding undergraduate research papers have been selected for oral and poster presentations under these themes. These abstracts physically presented during NSALS '25, reflecting the symposium's dual commitment to academic rigor and innovation. NSALS '25 stands as a proud testament to FASEA's dedication to advancing research excellence and nurturing a culture of innovation in the fields of agriculture and life sciences. Together, we forge a path toward a brighter future, fueled by innovation and discovery. We are deeply grateful to our Chief Guest, Senior Professor Kolitha B. Wijesekara, Vice Chancellor of UWU, and our Keynote Speaker, Chair Professor Saman Seneweera of the University of Ruhuna and Chairman of the National Science Foundation Sri Lanka. Their insights and expertise greatly enriched the symposium. We deeply appreciate the financial support provided by our sponsors, including the International Water Management Institute (IWMI), Yara Foods (Pvt.) Ltd., Analytical Instruments (Pvt.) Ltd., Switz Lanka (Pvt.) Ltd. (Happy Hen Eggs), Crysbro Group of Companies, Hemsons International (Pvt.) Ltd., Avon Pharmo Chem (Pvt.) Ltd., Lipton Teas and Infusions Ceylon (Private) Ltd., Lankem Ceylon PLC, CIC Holdings PLC, Farhills Ceylon, and other well-wishers.

The event was competently coordinated by Dr. Duminda Senevirathna, with Ms. Prathibha Kahandage serving as the Secretary of NSALS '25. The Dean of the Faculty, Prof. Saman Herath, along with all Heads of Departments, served on the advisory board, while all faculty staff members collectively functioned as the organizing committee for the symposium.





NSALS '26



With Best Compliments from,

ANTHONEY'S

തോമസ് ട്വേറ്റ്സ്-തർ ട്വേറ്റ്സ്

0%

අന്ത്യവിധേയമായിട്ട് ആന്റിബയോട്ടിക്സ്
Use of Antibiotics



With Best Compliments from,



**International Water
Management Institute**

With Best Compliments from,



HEMSONS HEMSONS INTERNATIONAL (PVT) LTD

- INSTRUMENT
- GLASSWARE
- CHEMICAL
- LAB FURNITURE
- MORE....



High-performance Scientific Instruments,
Analytical and Diagnostic Solutions to Explore
Life and Materials at Molecular Level.

Waters™

World renowned manufacturer of HPLC, UPLC,
LCMS & LCMSMS



High Quality Viscometers, Rheometers,
Texture analysers & Powder Flow Testers



Dedicated to Microbiology



Reagents & Chemicals from the UK



Driving Your Innovation with Our Chemistry

memmert

Leaders in the Development and manufacturing of heating ovens,
Incubators, Climate Chambers as well as Waterbaths and Oilbaths, from
Germany

Hemsons International (Private) Limited

Hemas Building
34 -2/1, Sir Razeek Fareed
Mawatha Colombo 01
00100

Gen : 011 2327948
Fax : 011 2466054
Web : www.hemsons.lk
Email : hemsons@hemsons.lk



With Best Compliments from,

analytikjena

An Endress+Hauser Company

ANALYTIK JENA PRODUCT OVERVIEW-CHEMICAL ANALYSIS SOLUTIONS



Ensure Superior Performance – A Better Way with Analytik Jena



Environmental/Water/
Waste Water



Food &
Agriculture



Chemicals &
Materials



Geology, Mining &
Metals



Oil & Gas



Pharma &
Life Science



Power & Energy



Atomic Absorption Spectrometry (AAS)

- novAA 800 Series: The powerful D2 background correction AAS for routine application.
- ZEEnit Series: AAS with Zeeman background correction and robust trace analysis for critical sample matrices.
- contrAA 800 Series: The high end AAS for efficient and sensitive analysis with single Xe Arc lamp for entire wavelength range and state of the art interference correction software features.



Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)

- PlasmaQuant 9100 Series: High resolution and high sensitive ICP-OES for the analysis of complex materials.

Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

- PlasmaQuant Series: Robust system for efficient, stable characterization of high matrix samples. PlasmaQuant MS offers excellent plasma robustness with lowest argon gas consumption and patented ICR technology for interference free analysis.



UV/Vis Molecular Spectroscopy

- SPECORD PLUS Series: UV/Vis instruments of outstanding precision and reliability, intuitive operation with a user-friendly and powerful software, and a very broad range of accessories.

Microwave Digestion System

- speedwave XPERT- Microwave digestion system for the preparation of organic and inorganic sample materials that will impress you with its reliability, safety, and economy of operation.



Adsorbable Organic Halides Analyzer (AOX)

- multi X 2500- An AOX analyzer that is setting standards-flexible, reliable, easy to operate and capable of much more than just AOX/EOX/POX sum parameter analysis.

Carbon, Nitrogen, Sulphur, and Chlorine Analyzer (CNSX)

- compEAct Series: Space-saving, fast, and cost-effective, high-throughput analyzer for sulphur or nitrogen.
- multi EA 5100: Elemental analyzer for the determination of carbon, sulphur, nitrogen and chlorine contents in solids, liquids and gases.
- multi EA 4000 Series: The robust multi-talent in C/S/Cl and TOC sum parameter in solids analysis.



TOC/TNb Analysis

- multi N/C x300 series: TOC/TNb analyzers that make your everyday laboratory work noticeably easier.



HOTLINE
+94 11 436 1909

E-MAIL
sales2@avonpcik.com

HEAD OFFICE
No. 03, Railway Avenue, Nugegoda, Sri Lanka.



GOLDEN
YOLK

With Best Compliments from,

Happy Hen
Get Eggdicted

The most
delicious
eggs in the city

good
food
good
mood

With Best Compliments from,

SINCE 2007

www.microtechbio.com

YOUR TRUSTED
LABORATORY SUPPLIER

MICRO TECH BIOLOGICAL (PVT) LTD



ABOUT US

Micro Tech Biological (Pvt) Ltd is a premier Sri Lankan supplier dedicated to advancing the Life Science, Clinical Diagnostic and Engineering & Technology sectors. The company serves as a strategic bridge between global biotechnology leaders and the local scientific community, providing high-end laboratory equipment, reagents, and technical expertise. As a reputed distributor, we partner with world-renowned brands such as QIAGEN (Germany), DiaSorin (Italy), and MP Biomedicals (USA). By offering innovative solutions we empower researchers and healthcare professionals with the tools necessary for reliable, high-precision results.

CONTACT US

☎ 011 2 089 590

✉ sales@microtech-bio.com

in MicroTech Biological (Pvt) Ltd

WHAT WE OFFER

- **Molecular Biology & Life Sciences:**
Supplying reagents and automated systems for DNA/RNA extraction, PCR (Polymerase Chain Reaction), and genomics research.
- **Clinical Diagnostics:**
Providing automated serology tests and diagnostic kits for infectious diseases, oncology, and immunology.
- **Laboratory Equipment:**
Offering a variety of high-tech instruments including real-time PCR cyclers, centrifuges, incubators, spectrophotometers etc.
- **Engineering & Technology:**
Offering instruments including Engineering, fire testing, automation training, electronic testing, electronic simulation, civil engineering etc.



With Best
Compliments
from,


**Browns
Agriculture**

**කර්ෂාර
අනාගතයක
තිරසාර මෙහෙවර**



 **0773 83 37 05** - අමුද් (උතුර, උතුරු මැද) **0773 45 79 89** - වළර (දකුණ, උතුර)
0773 45 79 85 - කෘෂි (වයඹ, මධ්‍යම) **0773 45 79 81** - වාහන (මහරගම, කුලාප)
0777 28 17 20 - කුලාප (කුලාපය) **0707 00 44 00** - සේවා කඳවුර

 **Lablink**
We make solutions

- We offer high-quality lab products, expert consultation, and reliable support to enhance scientific progress in Sri Lanka

OUR Services

- General & Analytical Instruments
- Chemicals, Culture Media & Test Kits
- Glassware & Consumables
- Laboratory Design

 No 02, Bandaranayake Mawatha,
Biyagama Road, Kelaniya

 info@lablink.lk

 +94 11 720 8119

 www.lablink.lk



Your Trusted B2B Partner for Food, Beverage, Pharmaceutical &
Animal Nutrition Industries in Sri Lanka

Delivering reliable solutions, quality, and consistent value you can trust

Our Product Portfolio

- Flavors
- Food Cultures & Enzymes
- Natural Colors
- Sausages Casings
- Gelatin & Collagen Peptides
- Yeast Extracts
- Food Fibers
- Milk Derivatives
- Food Seasoning
- Vitamin & Minerals

Why Aletek?



The World's Leading
Suppliers



Specifically
Tailored Solutions



Dedicated
Customer Service

Contact Us

+94112075884



No 195/5, Ranaviru Prabath Cooray
Mawatha, Rajagiriya, Sri Lanka



tech@aletekint.com



www.aletekint.com

With Best Compliments from,



BITULINK EMULSION (PVT) LTD

Epaladeniya Road, Masnoruwa, Giriulla, Sri Lanka.

TOTAL COMMITMENT TO BITUMINOUS APPLICATION

- Penetration Grade Bitumen (60/70,80/100)
- Polymer Modified Bitumen (PMB)
- Emulsions (CSS,CRS,Anionic,Nonionic)

- Cut Backs (MC30/MC70)
- Modified Emulsions (CRS-II P, CMS)
- Thermoplastic Road Marking Paint

**"WE
PROVIDE THE BEST
BITUMINOUS
PRODUCTS"**

BITULINK EMULSION
PRIVATE LIMITED



SLIC

Sri Lanka Insurance

LIFE

Like a father - Like a mother

With Best
Compliments
from,

SCIENCE MEETS NATURE

THE FUTURE OF PLANTING IS HERE!

Elevate your cultivation with Ceylon TC Labs.

We specialize in premium plant tissue culture for the healthiest,
most vigorous starting material.



Innovative Plant Tissue Culture Solutions

- ✓ 100% Disease-Free
- ✓ Genetically Uniform
- ✓ High Yield Potential

SHOP NOW

#CeylonTCLabs #TissueCulture



2nd Lane,
Wanguru Mawatha,
Hokandara North,
Hokandara



+94 (71) 414 1740



Developing
sustainable plant
growing solutions
together

Solutions for all your growing needs



JIFFY
GROWBAGS



JIFFY
GROWBLOCKS



JIFFY
POTS



JIFFY
PELLETS

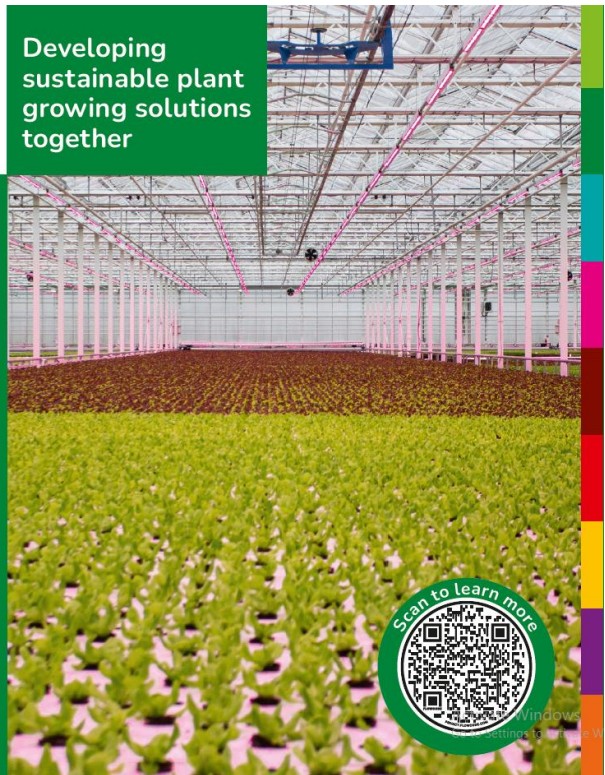


JIFFY
PREFORMA



JIFFY
SUBSTRATES

www.jiffygroup.com



With Best
Compliments
from,

With Best Compliments

Research Instruments

INSTRUMENTS, CHEMICALS
GLASSWARE & FURNITURE

Contact
+94 112719944/+94 712908908
Info@researchinstruments.lk
www.researchinstruments.lk
No: 140 2/1, Galle Road, Mount Lavinia.

With Best Compliments from,

ANALYTICAL INSTRUMENTS TECH PVT LTD

**Years of trusted excellence
matched with unsurpassed product quality of international brands,
leading you to future success.**

Committed to
Quality After Sales Service



The very best in Technology, together with the highest product quality of international brands is what we offer in our Equipment, Reagents, Consumables and Chemicals for Scientific research, Laboratory analysis and Diagnostic testing.

HIGH TECHNOLOGY EQUIPMENT

- AAS, HPLC, GC, ICP, FTIR, XRD/XRF, NMR, LCMS
- Auto Analyzers, NIR, Spectrophotometers
- Water Quality Testing Equipment
- Molecular Biology Equipment and Reagents
- Water Purification Systems
- Freezers ULT, Microwave Digesters
- Air Samplers, Air Quality Monitors
- Petroleum Testing Equipments
- Clean Air Systems

CHEMICALS, GLASSWARE AND CONSUMABLE



Thermo
SCIENTIFIC



GENERAL LAB EQUIPMENT

- Ovens, Incubators, Water Baths, Autoclave
- Balances

TOTAL SOLUTION FOR LABORATORY FURNITURE

- Laboratory Planning & Design Consultation
- Supply and installation Laboratory Furniture

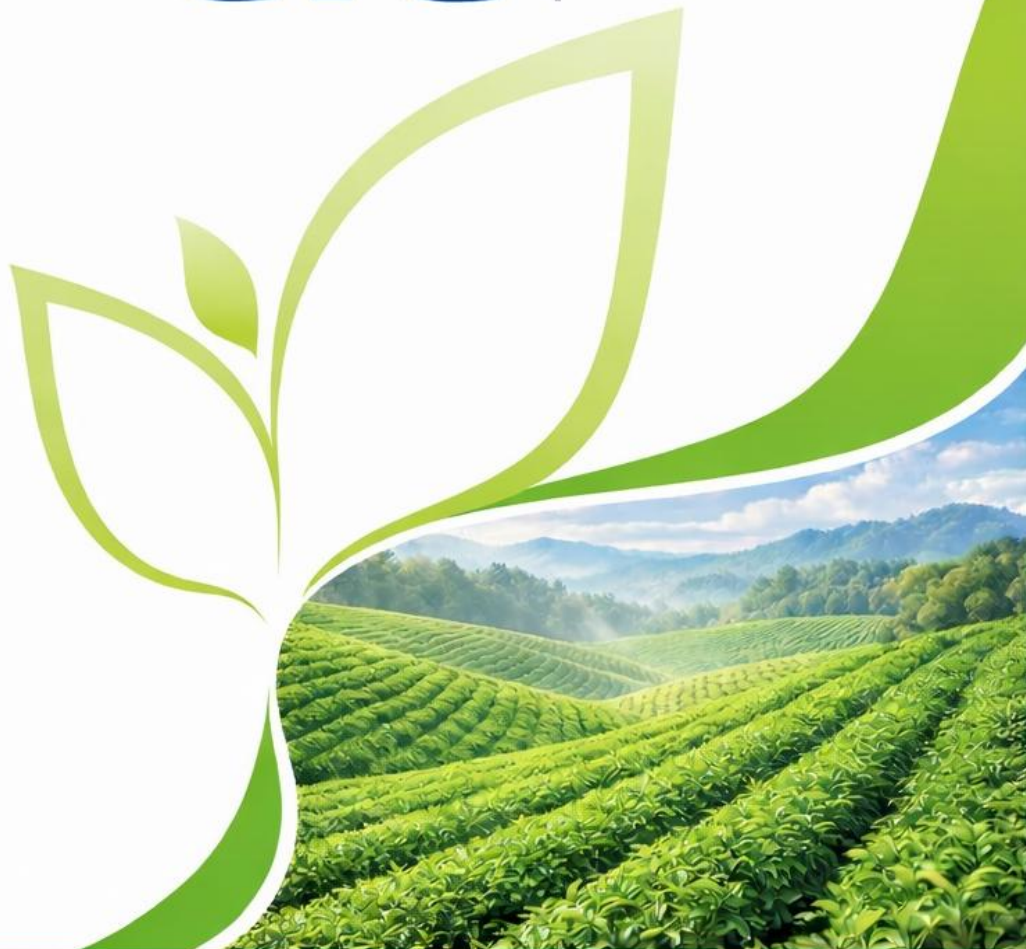


With Best Complements From



CIC

Agri
Businesses



CIC House, No 199, New Rd, Colombo 2

Tel: 011 235 9359, 011 2359300 | Fax: 011 230 2587 | cic.lk