



PROGRAMME BOOK

ACADEMIC SESSIONS & VICE CHANCELLOR'S AWARDS - 2025

"Innovating Across Boundaries: Bridging Knowledge for Global Impact"

4TH JUNE 2025

**HOSTED BY
FACULTY OF AGRICULTURE
UNIVERSITY OF RUHUNA
MAPALANA , KAMBURUPITIYA
SRI LANKA**

Programme Agenda

08:00 – 08:45	Refreshments and Registration
08:45 – 09:00	Ceremonial Procession
09:00 – 09:05	Lighting the Oil Lamp
09:05 – 09:10	University Anthem
09:10 – 09:20	Cultural Event
09:20 – 09:30	Welcome Address Prof. Menaka Fernando Chairperson of the Academic Sessions and Vice-Chancellor's Awards – 2025
09:30 – 09:40	Best Presenter Awards – Academic Sessions and Vice-Chancellor's Awards – 2024
09:40 – 10:10	Keynote Speech “Past Forward: A Cross-Disciplinary Road to Sustainability” Snr. Prof. Rangika Halwatura Faculty of Engineering, University of Moratuwa, Sri Lanka
10:10 – 10:20	Launching of E-Proceedings Editor-In-Chief Prof. Nalika Ranathunga
10:20 – 10:30	Vice Chancellor's Awards
10:30 – 10:40	Cultural Event
10:40 – 10:50	UOR Tire 4* Awards
10:50 – 11:05	Address by the Chief Guest Snr. Prof. P.A. Jayantha Vice-Chancellor, University of Ruhuna
11:05 – 11:30	Oration “Pharma-Nature Fusion: Integrated Approaches for Effective Pain Control and Relief” Dr. (Mrs.) P. W. D. Wasana Faculty of Allied Health Sciences, University of Ruhuna
11:30 – 11:45	Conferment of Emeritus Professorship
11:45 – 11:55	Vote of Thanks Dr. Chathura Perera Secretary of the Academic Sessions and Vice-Chancellor's Awards – 2025
11:55 – 12.00	National Anthem
12:00 – 13.00	Lunch
13:00 onwards	Technical Sessions – Oral presentations (05 Parallel sessions) Technical Sessions – Posters (04 Parallel sessions)

Conferment of Emeritus Professorships

Senior Professor PLAG Alwis

Faculty of Agriculture

Senior Professor Mangala De Zoysa

Faculty of Agriculture

Senior Professor Sarath Lekamwasam

Faculty of Medicine

Recipients of the Vice Chancellor's Awards - 2024

The Most Outstanding Scholar

Prof. Disna Ratnasekera

Faculty of Agriculture

The Most Outstanding Young Researcher

Dr. Dushan Kumarathunga

Faculty of Agriculture

Recipients of the UOR Tier 4* Award

Prof. G.H.M.J. Subashi De Silva

Faculty of Engineering

**Recipients of the Best Presenter Awards
Academic Sessions 2024
Technical Sessions
(Oral)**

Agriculture, Environment and Biological Sciences

Dr. L.N. Wijewardene

Department of Limnology and Water Technology

Faculty of Fisheries and Marine Sciences & Technology

Education, Humanities and Social Sciences

Prof. H.I.G.C. Kumara

Department of Geography

Faculty of Humanities and Social Sciences

Human Health, Pharmaceuticals and Medicine

Mrs. W. N. D. De Silva

Department of Biochemistry

Faculty of Medicine

Economics, Finance and Management

Mrs. B.B.D.S. Abeykoon

Department of Marketing

Faculty of Management and Finance

Engineering, Technology and Applied Sciences

Mr. P.H.T. Maduranga

Faculty of Engineering

**Recipients of the Best Presenter Awards
Academic Sessions 2024
Technical Sessions
(Poster)**

Poster Session 1

Mr. H.M.P. Bandara

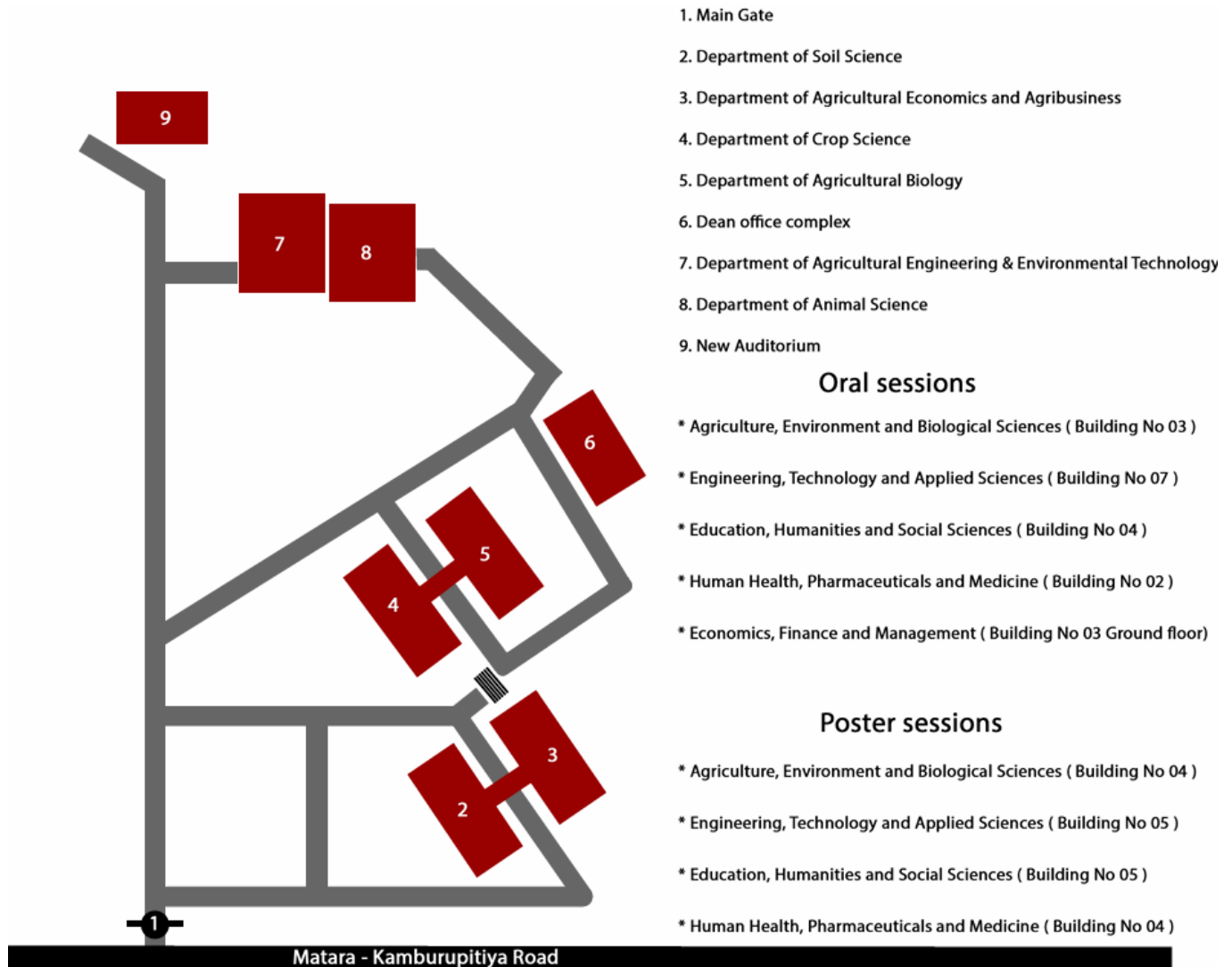
Faculty of Engineering

Poster Session 2

Mr. H.M.S. Sanjaya

Faculty of Engineering

Academic Sessions Oral & Poster Sessions Venue Guide



ORAL PRESENTATIONS

Technical Session 1

Venue

: Agriculture, Environment and Biological Sciences: Department of Agricultural Economics & Agribusiness, Hall No.2 (1st floor)

Session Chair

: Prof. Lanka Ranawake

Panel Members

: Prof. K. Masakorala

: Dr. Keerthi Atapattu

Convener

: Dr. T.D.P. Liyanage

Time	Abstract ID	Title and Author/s
13.00-13.15	64	Evaluating the Necessity of Lipid Extraction prior to ¹³C and ¹⁵N Stable Isotope Analyses of <i>Macrobrachium rosenbergii</i> Muscle Tissues in Foodweb Studies <i>S.S.U. Silva, U.A.D. Jayasinghe, K.H.M.A Deepananda and C.M. Jones</i>
13.15-13.30	68	Evaluation of Protein Baits Developed Using Sap Extracts of Selected Cucurbits for Melon Fly Management <i>H.K.M.S. Kumarasinghe, B.S.S. Basooriya and H.G.W. Lakmali</i>
13.30-13.45	82	Abundance of <i>Vibrio</i> sp. Isolated from <i>Macrobrachium rosenbergii</i> in Seven Reservoirs of Hambanthota and Monaragala District, Sri Lanka <i>E.G.K.Y.C. Bandara, H.A.D. Ruwandeepika, U.A.D. Jayasinghe and K.H.M.A. Deepananda</i>
13.45-14.00	88	Root Interaction Study in Banana, Ginger, and Turmeric Plots Intercropped with Immature Oil Palm (<i>Elaeis guineensis</i>) in Galle District, Sri Lanka <i>S. M. Dissanayake and I. R. Palihakkara</i>
14.00-14.15	93	Combined Application of Biochar and Nitrogen Fertilizer on Nitrogen Use Efficiencies and Grain Yield of Rice (<i>Oryza sativa</i> L.) <i>K.H.C.H. Kumara, M.H.U. Siriwardena, D.M. Withanawasam, H.K.M.S. Kumarasinghe, K.M.C. Fernando and D.L. Wathugala</i>
14.15-14.30	94	Effect of Different Fertilizer Schedules on Growth and Yield of Green Chilli (<i>Capsicum annuum</i> L.) under Controlled Environmental Conditions <i>W.R.S. Jayawardena, W.K.N.S. Dias and K.M.C. Fernando</i>
14.30-14.45	96	Bacterial bio-fertilizer increases vegetative growth and leaf oil yield in <i>Cinnamomum verum</i> J. Presl variety Sri Gemunu <i>P.K.D. Sandamini, I. Mulec, R.A.A.K. Ranawaka and S. Geekiyanage</i>
14.45-15.00	97	Analysis of the Genetic Basis of Natural Variation of Flowering Time of selected Sri Lankan Traditional Rice Accessions in Response to Changing Season <i>W.H.D.U. Pushpakumari, N.V.T. Jayaprada, L. Jayasekara, G. Senanayeka, D.M.J.B. Dissanayake and S. Geekiyanage</i>
15.00-15.15	98	Use of <i>Bacillus</i> sp. on Yield Improvement and Control of Brown Spot Disease in Rice (<i>Oryza sativa</i>) Variety Bg 300 <i>A.S. Nishangika, W.K.L. Kumara, P.K.D. Sandamini and S. Geekiyanage</i>
15.15-15.30	99	Reducing Ammonia Emission by Adding Different Levels of Single Super Phosphate During Decomposition of Poultry Droppings <i>K.H.H.U. Sampath, H.K.M.S. Kumarasinghe, S.R. Amarasinghe and K.M.T.S. Bandara</i>

Technical Session 2

Venue

: Engineering, Technology and Applied Sciences

: Department of Engineering & Environmental Technology

Session Chair

: Dr. C. K. W. Senevirathna

Panel Members

: Ms. Hasini Ganegge

: Dr. W. N. B. A. Geeth Priyankara

Convener

: Dr. B.M.J. Sirivijaya

Time	Abstract ID	Title and Author/s
13.00-13.15	14	A Relative Motion and Driving Action-based Link Lifetime Estimation Model for Vehicular Networks <i>P. A.D.S. Nilmantha Wijesekara</i>
13.15-13.30	55	Investigation of Sound Absorption Coefficients of Coir Fibre Mat <i>R.M.S.J. Nuggeoda, H.A.M.Randula, B.Sumith, G.G.T. Chaminda and K.G.V.K De Silva</i>
13.30-13.45	57	NN-Based Puncturing for eMBB-URLLC Coexistence in 5G Wireless Networks <i>R. Saahith Ahamed, R.M. Sihan Gunarathne, G.W. Lapalu Gunarathne, A. Affin Ajanthan, T.N. Weerasinghe and A.S. Ahamed Dhahlan</i>
13.45-14.00	15	A Cost-Efficient and High-Performing FPGA Design and Implementation of a MIMO-OFDM Transceiver for Video Communication <i>P. A.D.S. Nilmantha Wijesekara</i>
14.00-14.15	62	The Potential of Green Hydrogen in Achieving Sustainable Energy Future: A Review <i>T.D. Jayasekara and Y. Sanath K. De Silva</i>
14.15-14.30	92	PhD Program Recommendation System: A Shiny App for Matching Applicants to University Requirements <i>A.W.L.P. Thilan and S.R.T. Kulasekara</i>

Technical Session 3 : Education, Humanities and Social Sciences

Venue : Department of Crop Science

Session Chair : Prof. N.V.G.A Hemantha Kumara

Panel Members : Prof. Nandasiri Keembiyahetti

: Dr. Lokeshwari S. Karunarathna

Convener : Dr. Sumali Fernando

Time	Abstract ID	Title and Author/s
13.00-13.15	1	A Study of Relationship Between English Literacy and Academic Literacy Among Undergraduates in Faculty of Humanities and Social Sciences, University of Ruhuna, Sri Lanka <i>E.V.D. Dilhani</i>
13.15-13.30	21	Empowering Undergraduates in Integrating Life Skills Education into Tertiary Curricula: A Case Study <i>S.G.S. Samaraweera</i>
13.30-13.45	40	Local Ceramics and Society during the Rajarata Civilization: Case Studies from Kantharodai, Mantai (Mahatittha), and Kirinda in Sri Lanka. <i>Wijerathne Bohingamuwa</i>
13.45-14.00	52	Modernization and its Impact on Reproductive health: A Study on Women in Estate sector in Sri Lanka <i>K.D. Dushmanthi Silva and P.R. Ekanayake</i>
14.00-14.15	59	Exploring Undergraduate Library Usage and Resource Search Behaviour: A Case Study at the University of Ruhuna Library <i>Theja Kuruppu Arachchi, G. Samaraweera and Nimal Hettiarachchi</i>
14.15-14.30	74	මනුෂ්‍ය විඥානය එසවීම, ගැඹුරු කිරීම සහ නවකතාව: පශ්චාත් නූතනවාදී අධ්‍යයනයක් <i>W.M.N. D. Weerasinghe</i>

Technical Session 4 : Human Health, Pharmaceuticals and Medicine

Venue : Department of Soil Science

Session Chair : Prof. Channa Yahathugoda

Panel Members : Prof. Harshini Peiris

: Prof. Amaranath Karunanayake

Convener : Dr. W.M.C.J. Wijekoon

Time	Abstract ID	Title and Author/s
13.00-13.15	11	A Peptide Inhibitor against Human CTLA-4 And B7-1 Receptor Interaction <i>R.M.T. Ramanayake Mudiyansele and I. Fujii</i>
13.15-13.30	53	Cognitive Impairment in Hip Fracture Patients in Southern, Sri Lanka <i>H. Dias, N. Rathnayake, T. Abeygunasekara and S. Lekamwasam</i>
13.30-13.45	56	Antidiabetic Activity of Bael Fruit Aqueous Extract Encapsulated Alginate Nanoformulation in Streptozotocin-Induced Diabetic rats <i>N.D. De Silva and A.P. Attanayake</i>
13.45-14.00	66	Insulin Self-administrating Practices Among Patients with Diabetes; A Cross-sectional Study in Sri Lanka <i>K.A.D. Rasanjali, H.W.A.S. Subasinghe and Pathiraja</i>
14.00-14.15	06	Demographic Factors Associated with Depressive Symptomology among Non-academic Staff Members in a Southern University Sri Lanka <i>M. A. Anusha, S. Kalugama and B. Perera</i>

Technical Session 5	: Economics, Finance and Management
Venue	: Department of Agricultural Economics & Agribusiness, Hall No.1 (Ground floor)
Session Chair	: Prof. A.C. Karunaratne
Panel Members	: Dr. E.K. Jayampathi : Dr. M.T.T. De Silva
Convener	: Prof. Nilantha De Silva

Time	Abstract ID	Title and Author/s
13.00-13.15	29	The Relationship between Environmental Management and Financial Performance: Mediating Role of Environmental, Social, and Governance and Competitive Advantage <i>D.M.R. Deepika and T.S.L.W. Gunawardana</i>
13.15-13.30	49	A Study on the Perception of Candidates on Recruitment and Selection Process for Academic Positions <i>P.M.S.P. Yapa</i>
13.30-13.45	79	ශ්‍රී ලංකාවේ ගෘහ විදුලි උපකරණ මිලදී ගැනීමේදී සන්නාම විශ්වාසය හා සන්නාම ප්‍රතිරූපය තුළින් බිහිවන පාරිභෝගික තෘප්තියෙහි ස්වභාවය මත සන්නාම පක්ෂපාතීත්වය අධ්‍යයනය කිරීම <i>J.H. I. Maduranga</i>
13.45-14.00	48	Effect of training on work performance and career development. <i>W.A.A. Anuruddha and T.S.L. W. Gunawardana</i>

POSTER PRESENTATIONS

Poster Session 1**: Agriculture, Environment and Biological Sciences**

Venue

: Department of Crop Science

Panel 1

Panel Members

: Prof. Dulcy Senarathne
 : Dr. Dananjali Gamage
 : Dr. Dushan Kumarathunga

Convener

: Ms. A.P. Hashini Imalsha Abeysuriya

Time	Abstract ID	Title and Author/s
13.00-13.10	23	Effect of Burial Depth on Seedling Emergence of <i>Mimosa pigra</i> L. Invaded Areas in Southern Province Sri Lanka <i>N. A. P. M. Thilakarathna and P. C. D. Perera</i>
13.10-13.20	26	Effectiveness of Immobilized Nirmali Seeds and Free Nirmali Seeds as A Bio coagulant In Removal of Turbidity of Water <i>K.A.M.C. Kannangara and N. Kannangara</i>
13.20-13.30	30	Effect of Cassava Starch and Bee wax-based coating on extend shelf life of Papaya at Ambient Temperature <i>L.M.S.M. Bandara, D.N. Kannangara and K.N Wijayasekara</i>
13.30-13.40	33	Development and Characterization of Ecofriendly Bioplastic Using <i>Megathyrsus maximus</i> Leaves and <i>Colocasia esculenta</i> Tubers <i>H.M.A.S.N. Jayathilake and D.N. Kannangara</i>
13.40-13.50	37	Application of Hibiscus Flower (<i>Hibiscus rosa-sinensis</i> L.) in Enhancing Coloration, Growth and Disease Resistance of Koi- carp (<i>Cyprinus carpio koi</i>) <i>M.D.H.Lakmali, H.C.C.De Silva and K.M.W. Rajawatta</i>
13.50-14.00	38	Application of Sweet Potato (<i>Ipomoea batatas</i>) as a Feed Additive for Color and Growth Enhancement in Balloon Molly (<i>Poecilia sphenops</i>) <i>D. J. C. Keerthirathne, H. C. C. De Silva and K. M. W. Rajawatta</i>
14.00-14.10	73	Development of Vegan Spread using Soymilk (<i>Glycine max</i>) & Coconut Milk (<i>Cocos nucifera</i>) incorporated with Garlic (<i>Allium sativum</i>) and Pepper (<i>Piper nigrum</i>) <i>S.A. Ishara Sampath, K. wijayasekara and K.M.W Rajawatta</i>
14.10-14.20	83	Temporal Variations in the Biofilm Formation Ability of <i>Vibrio</i> sp. Isolated from Giant Freshwater Prawn (<i>Macrobrachium rosenbergii</i>) <i>E.G.K.Y.C. Bandara, H.A.D. Ruwandeepika, U.A.D. Jayasinghe and K.H.M.A. Deepannanda</i>

Panel 2

Panel Members : Prof. Buddhi Walpola
: Dr. Anuga Liyanage
: Dr. Lakshitha Fonseka

Convener : Ms. A.P. Hashini Imalsha Abeysuriya

Time	Abstract ID	Title and Author/s
13.00-13.10	18	Effects of Litter Mass on Carbon dioxide Emissions and Organic Matter Content in Mahogany Forest Soils <i>T.D.P. Liyanage, D.A.L. Leelamanie, U.I. Samarawickrama and H.I.G.S. Piyaruwan</i>
13.10-13.20	22	TSS and TDS Removal from Batik Wastewater through Water Hyacinth Phytoremediation <i>M.P. Malisha and D. N. Kannangara</i>
13.20-13.30	32	Investigating the Phytotoxic Effects of Copper-Contaminated Soil on Neermulliya (<i>Hygrophila auriculata</i>): Impact on Growth and Physiological Responses <i>R. Dhanusha, H.C.C. De Silva and K.M.W. Rajawatta</i>
13.30-13.40	35	Characterization of <i>Garcinia gummi gutta</i> Paste Processing Wastewater for Potential Reuse <i>U. R. I. U. Bandara, L. Wijewardene, A.M.K.C.J. Costa, C. Witharana and H. B. Asanthi</i>
13.40-13.50	67	Consumer Preference on Using Biodegradable and Non-Degradable Yoghurt Spoons with Special Reference to Hand Made Bamboo Spoons in Sri Lanka <i>I.R. Palihakkara, R.M.P.U. Rajapaksha and B.S.S. Basooriya</i>
13.50-14.00	91	Effect of Seaweed Based Foliar Spray on Growth and Yield Associated with Catalase and Ascorbate Peroxidase Activities of <i>Capsicum annuum</i> L. <i>B.C. Dilshan, H.C.C. De Silva, K.M.C Fernando and K.M.W. Rajawatta</i>
14.00-14.10	95	Elephant dung as an alternative substrate for oyster mushroom cultivation <i>M.A.M.A. Muthukudaarachchi, T. Jayasinghea, H.K.M.S. Kumarasingha and K.M.C Fernando</i>
14.10-14.20	100	Effects of Different Application Rates of Seaweed Based Bio Stimulant on Growth and Yield of Chili (<i>Capsicum annuum</i>) Cultivation under Protected House Conditions <i>K.H.H.U. Sampath, W.M.H.H. Wijesuriya, S.R. Amarasinghe, K.K.L.B. Adikaram and W.S.B. Ariyapala</i>
15.40-15.50	101	Evaluation of Particle Size of Coco Peat and Short Fine Coconut Fiber on Nursery Pellets for Vegetable Seedlings <i>U.A.A. Sandeepa, W.M.A.M. Karunarathne, K.H.H.U. Sampath and H.K.M.S. Kumarasinghe</i>

Poster Session 2

Venue

: Engineering, Technology and Applied Sciences

: Department of Agricultural Biology

Panel 1

Panel Members

: Prof. W.A. Indika

: Prof. Lasantha Adikaram

: Dr. Prabath Weerasinghe

Convener

: Dr. K.M.T.S. Bandara

Time	Abstract ID	Title and Author/s
13.00-13.10	9	Gradient-Based Meta-Learning for Enhanced Zero-Day Attack Detection in Network Intrusion Detection Systems <i>P.L.N.N. Dilshan and R.D.N. Shakya</i>
13.10-13.20	10	Machine Learning-based Prediction of Optimal Rubber Tapping Days: A Case Study at Dartonfield Estate, Sri Lanka <i>J.S.M. Priyashan and C.Y. Gamage</i>
13.20-13.30	13	A Region of Interest-aware Motion Vector and Optical Flow Generation Model for Autonomous Driving <i>P.I.A.D.S.N. Wijesekara</i>
13.30-13.40	44	A Trust Score Driven Zero Trust Architecture Model for Enhanced IoT Security in Testbed Environments <i>J.A.A.D.K. Jayasinghe, P.A.C.M.S. Pitumpe, N.N.A. Madushan, R. Saahith Ahamed and K.L.K. Sudheera</i>
13.40-13.50	47	Ethical Perspectives and Strategies for AI Integration: Insights from Allied Health Students at the University of Ruhuna <i>K.D.T. Tharuka and A. Karunanayake</i>
13.50-14.00	50	Unsupervised Approach for Post-Processing of Intrusion Detection Alerts <i>K.G.K.I. Kumarasinghe, J.P.M.P. Kumarasiri, K.A.G.T.V. Kumarasinghe, K.L.K. Sudheera, Yahani P. Manawadu and H. Mamankaran</i>
14.00-14.10	69	University Teachers' Administrative Process Automation System (UTAPAS) <i>K. Dewapura, S. Chandeepe, P. Piyankara, A. Dhanajaya and N. Sandamali</i>
14.10-14.20	75	A Cost-Effective and Scalable SDN Testbed Using Raspberry Pi for Research Purposes <i>K. Lakshan, A. Prasanna, C. Jeewantha and K. Sudheera</i>
14.20-14.30	78	Automated Question Paper Grading System for Multiple Choice Questions <i>K. Jayakody, G. Sundarasekara, S. Gawesh, N. Ranawaka and N. Sandamali</i>
14.30-14.40	89	Extended Reality Application to Digitally Explore Ancient Heritage Sites in Sri Lanka <i>H.G.D.C.N. Abeyrathne, W.M.M.S. Saranga, K.M.S.N. Saranga, K.L.K. Sudheera, G.G.N. Sandamali and P. Perera</i>

Panel 2

Panel Members : Dr. Nanditha Hettiarachchi
 : Dr. K.C. Wickramasinghe
 : Dr. K.M.S.Y. Konara

Convener : Dr. K.M.T.S. Bandara

Time	Abstract ID	Title and Author/s
13.00-13.10	24	The Effect of Stitch Length on Sound Absorption Behaviour of Cone Knitted Structures <i>J. W. A. Madushika, W. D. G. Lanarolle and J. K. Wijerathne</i>
13.10-13.20	25	Design and Development of a Cost-effective Natural Sunlight Mimicking Smart LED Lamp for Domestic Aquatic Environments <i>G.D.M. Akalanka, H.A.D.S.D. Perera, N.T. Wickramasuriya and S.S. Abeywickrama</i>
13.20-13.30	31	Development of a Semi-Automatic, Portable Coconut De-Husking Machine <i>S. D. J. Gunasekara, K. G. Janarthanan, P. P. T. K. Pathirana, K. A. C. P. Kasthuriarachchi and Y. S. K. De Silva</i>
13.30-13.40	43	Tidal Energy Forecasting and Power Generation in Sri Lanka using ARIMA Fourier models: A Case Study of Trincomalee <i>R.R. Batuvita, H.L. Jayetileke, K.G.P. Hansani and R.M.R.M. Jayathilaka</i>
13.40-13.50	45	Blockchain Based Spectrum Leasing for 5G and Beyond <i>D. Niromali, S. Piumantha, S. Sivakumaran, H. Sandaruwan, G. Priyankara and I. Mendis</i>
13.50-14.00	63	Two-Phase Meshfree-based Numerical Analysis of Coastal Natural Blowhole Structures for Wave Energy Extraction Applications <i>H. Singhapurage, K.T.K.M. De Silva, Pabasari A. Koliyabandara, and H.C.P. Karunasena</i>
14.00-14.10	70	Real-time Voltage Monitoring in Distribution Grids Using Solar PV Inverters, K.M. Iromi Ranaweera <i>K.M. Iromi Ranaweera, P.D.C. Perera, A. Panchadcharam, G.A. Supun Chamara Senadheera and G.W. Gamindu Sahan</i>
14.10-14.20	76	Secure and Energy-efficient Communication Protocol for Wake-up Radio Enabled IoT Networks <i>G. Kavinda, D. Amarasinghe, B. Marasingha,, H. Sandaruwan, G. Priyankara and I. Mendis</i>
14.20-14.30	81	Comparative Analysis of Coir Fiber, Banana Fiber, and Synthetic Fibers for Sustainable Composites <i>M. W. S. B. Piyaathna and K. T. K.M. De Silva</i>
14.30-14.40	84	Development of an Automated Bag Feeding System for Small-Scale Mushroom Farming <i>M.W.S.B. Piyaathna, P.G.C.R. Gallage, K.K.D.S.P. Gunawardana, M.H.C. Kalhara, S.K.J. Deshapriya and L.K.T. Srimal</i>

Panel 3

Panel Members : Dr. S.W. Senevirathne
 : Mr. K.K.D.C.S. Weeraratne
 : Ms. T.K.K.S. Pathmasiri

Convener : Dr. K.M.T.S. Bandara

Time	Abstract ID	Title and Author/s
13.00-13.10	5	Machine Learning-based Smart Floor Tile Recommendation System for Optimized Indoor Aesthetics and Functionality <i>H.G.M. Prabhash and C.Y. Gamage</i>
13.10-13.20	27	Optimization of Waste Sand Ratios in Cement Brick Manufacturing: A Comparative Analysis of Compressive Strength and Percentage of Washout <i>N. A. U. K. Gunasekara, D. N. Kannangara and L. N. W. Kumarathunga</i>
13.20-13.30	58	Effect of Tyre Derived Aggregates (TDA) on Permeability Behaviour of Railway Ballast <i>F.N. Prasath, H.G.S. Mayuranga and S.K. Navaratnarajah</i>
13.30-13.40	85	A Review on Experimental Insights into the Impact of Slenderness Ratio on Soil-Binder Columns in Soft Soils <i>P.C.M. Wijesena, N.H. Priyankara, G.H.M.J. Subashi De Silva and H.G.S. Mayuranga</i>
13.40-13.50	86	Methods Adopted while Micro-tunnelling in Difficult Ground Conditions – A Review <i>A. Yoganathan, Nadeej H. Priyankara and J.M.R. S. Appuhamy</i>
13.50-14.00	87	The Application of Waste in Cementitious Compounds and Prediction of Properties: A Literature Review <i>W.M.C.K. Wickramasingha, G.H.M.J. De Silva, K.L. Kushan Sudheera, R. Edirisinghe and K. Nguyen</i>

Poster Session 3 : Education, Humanities and Social Sciences

Venue : Department of Agricultural Biology

Panel Members : Dr. Dilshan Rajapaksha
 : Dr. Sewwandi Yapa
 : Dr. Anushika Kariyawasam

Convener : Prof. Rajika Amarasinghe

Time	Abstract ID	Title and Author/s
13.00-13.10	8	උඩරට නර්තන සම්ප්‍රදායේ කලඑළි මංගල්‍යයට එකතු වූ නවාංග පිළිබඳ විමර්ශනාත්මක අධ්‍යයනයක් <i>J.K. de Silva and S.M.A.P. Rathnasiri</i>
13.10-13.20	16	ශ්‍රී ලංකාවේ මල්වර වාරිතූ පිළිබඳ විමර්ශනාත්මක අධ්‍යයනයක් (මාලතේ ප්‍රාදේශීය ලේකම් කොට්ඨාසයේ වැලිවිට ග්‍රාමය ඇසුරින්) <i>L.L.L. Maduwanthi and Lakmini Gamage</i>
13.20-13.30	36	A Logistic Regression Approach for Breast Cancer Prediction in Sri Lanka <i>S.M.D.K.A. Kulasekara, K.D. Prasangika, Umagowry Saravanamuttu and P.D.S.H. Upul</i>
13.30-13.40	46	Ethical Perspectives and Strategies for AI Integration: Insights from Allied Health Students at the University of Ruhuna <i>K.D.T. Tharuka and A. Karunanayake</i>

Poster Session 4 : Human Health, Pharmaceuticals and Medicine

Venue : Department of Crop Science

Panel Members : Prof. Bilesha Perera
 : Dr. Bimba Wickramarachchi
 : Dr. Janaka Godewithana

Convener : Dr. Nadeeshani Silva

Time	Abstract ID	Title and Author/s
13.00-13.10	04	Enhancing Subfertility Awareness and Knowledge among Women: A study of Educational Leaflet Intervention in Selected Two Fertility Centers, Sri Lanka <i>L.T.C. <u>Ranathunga</u>, W.B.N.T. Fernando and L. Dassanayake</i>
13.10-13.20	19	Challenges for the Importation of Biopharmaceutical Products in Sri Lanka <i>M.A.M. <u>Chathumini</u>, M. Jayasinghe and A.S. Dissanayake</i>
13.20-13.30	28	Prescription Adherence and Non- Prescription Medication Purchases in Rural Community Pharmacies: A Cross – Sectional Study <i>H.N.W. <u>Malawalaarachchi</u> and M. Kommalage</i>
13.30-13.40	42	Investigation of Medication Storage Patterns in the Households of Allied Health Sciences Undergraduates of Sri Lanka <i>N.H.G. <u>Isurika</u>, M. Jayasinghe, S. Subasinghe, S. Karunanayaka and K.I.M. De Silva</i>
13.40-13.50	61	Effectiveness of Telemedicine Interventions on Improving Medication Adherence of Patients with Type 2 Diabetes: A Review <i>T.P.G.A. <u>Uthdesha</u> and H.W.A.S. Subasinghe</i>
13.50-14.00	72	Knowledge, Attitudes and Practices Towards Rabies: A Cross-Sectional Study at National Hospital, Galle <i>R.M.T.M. Ramanayake, A.M.S.S. Amarasiri, R.H. <u>Kaushalya</u>, H.H. Peiris and B. Samaraweera</i>
14.00-14.10	77	Acceptability of Long-acting Reversible Contraception among Women in Childbearing age: A Literature Review <i>I.M.F. <u>Sasky</u>, H.W.A.S. Subasinghe and K.A.K.D. Wijesekera</i>
14.10-14.20	80	Evaluation of In-vitro antibacterial and blood coagulation effects in leaves of <i>Justicia gendarussa</i> <i>M.A.T. <u>Hasanka</u>, N.D.D. Silva, M. Jayasinghe, M.T. Napagoda and N.P. Weerasinghe</i>