



Sustainability In Action

Organised by

Department of Forestry and Environmental Science, University of Sri Jayewardenepura

23rd - 24th January 2026

Waters Edge, Battaramulla, Sri Lanka

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Time	Inauguration and Plenary Session (Eagle Lounge - Waters Edge, Sri Lanka)
08.20 AM - 08.30 AM	Video Slot 01
08.30 AM - 08.35 AM	Arrival of Guests
08.35 AM - 08.45 AM	Lighting of the Traditional Oil Lamp
08.45 AM - 08.50 AM	University Anthem
08.50 AM - 09.00 AM	Welcome Address: Prof. Daham Jayawardana - Head, Department of Forestry and Environmental Science, Faculty of Applied Sciences, University of Sri Jayewardenepura
09.00 AM - 09.10 AM	Address by the Dean: Snr. Prof. Upul Subasinghe, Dean, Faculty of Applied Sciences, University of Sri Jayewardenepura
09.10 AM - 09.20 AM	Address by the Vice Chancellor: Snr. Prof. Pathmalal M. Manage, Vice-Chancellor, University of Sri Jayewardenepura
09.20 AM - 09.30 AM	Address by the Chief Guest: Dr. Dammika Patabendi, Hon. Minister of Environment, The Democratic Socialist Republic of Sri Lanka
09.30 AM - 09.40 AM	Address by the Premier Platinum Sponsor of the 30 th International Forestry and Environment Symposium: Mr. Billy Walpola, Marketing Director, Tokyo Cement Group
09.40 AM - 09.50 AM	Address by the Symposium Chair - 30 th International Forestry and Environment Symposium: Prof. Hiran Amarasekera
09.50 AM - 10.05 AM	Address by the Keynote Speaker: Professor Piotr T. Nowakowski, Rzeszów University, Poland
10.05 AM - 10.10 AM	Video Slot 02
10.10 AM - 10.20 AM	Presentation of Token of Appreciation
10.20 AM - 10.25 AM	Vote of Thanks: Dr. Sandali Dissanayake, Symposium Coordinator, 30th Forestry and Environment Symposium
10.25 AM - 10.30 AM	National Anthem
10.30 AM - 11.00 AM	Morning Tea Break
11.00 AM - 12.30 PM	Partnership Discussion on "Importance of Ecosystem Services Towards Disaster Risk Reduction, with Special Reference to Cyclone Ditwah"

30th International Forestry and Environment Symposium 2026 | 23rd - 24th January 2026

Day 01 – 23rd January 2026

Time	Hall A (Eagle Lounge Hall)	Hall B (The Albatross Hall)	Hall C (The Albatross Hall)	Hall D (The Link Hall)
11.00 AM - 12.15 PM	Partnership Discussion Session Moderated by: Snr. Prof. Hemanthi Ranasinghe	Session 01 (Online) (Cooperative Environmental Stewardship and Circular Economy + Environmental Engineering + Environmental Economics) Dr. Pasan Dunuwila	Session 02 (Forest Culture and Science) Dr. Isuru Kariyawasam	Session 03 (Environmental Economics + Environmental Engineering) Dr. Piumi Perera
11.00 AM - 11.15 AM		092 User Preferences of Plastic, Wooden, and Bamboo forks: A Comparative Survey Analysis Rajapaksha RMPU	019 Comprehensive Study of Functional, Biochemical and Antibiotic Resistance Profile of Endophytic Bacteria in <i>Nymphaea stellata</i> Ajini MLS	249 Understanding the Preferences for Green Tires: A Choice Experiment Approach Anjalika EAK
11.15 AM - 11.30 AM		051 Eco-Innovation for Enhancing the Performance of Metal Roofing Sheets Attanayaka AMIS	050 In Vitro Analysis of Synergistic Anti-Inflammatory Effect of <i>Ipomoea pescaprae</i> (Binhaburu) And <i>Scaevola taccada</i> (Thakkada) Methanolic Leaf Extract as Polyherbal Preparation Sarathsena NASSG	247 The Relationship between the Water Stress, Population Growth, Industrialization, and Agricultural Land in China: Evidence from an ARDL Approach Withanage DKY

11.30 AM - 11.45 AM	127 Enhancing Sustainability of Concrete with Bamboo Fiber Reinforcement and Sawdust Substitution Shobitha Nitharsan	238 Investigating the Consumers' Willingness to Pay for a Deposit Refund System for Tetra Pak Recycling in the Western Province of Sri Lanka Premarathne APSS
11.45 AM - 12.00 PM	135 Sustainable machining through Minimum Quantity Lubrication using Green Cutting fluids as an alternative to Mineral Oils Thenusa Sathiyaruban	244 Factors Influencing Green Purchasing: Biodegradable Fabric Products in Kalutara District in Sri Lanka Maheepala SDCM
12.00 PM - 12.15 PM	210 Towards Sustainable Wetland Management: Understanding Public Preferences for the Key Attributes of Bundala Wetland Dharmawardhana DTPS	236 Comparison of Environmental Impacts of Orthodox and CTC Tea Processing Methods Using Life Cycle Assessment: Gate-To-Gate Approach in Pasgoda DS Division, Sri Lanka Liyanage AIG
Lunch (12.15 PM - 1.00 PM)		

01.00 PM – 03.00 PM	Session 04 Poster (Wildlife Conservation and Ecosystem Integrity + Forest Culture and Science + Sustainable Tourism + Biomaterials and Carbon Storing + Climate Change and Resilience) Dr. Sandali Dissanayake	Session 05 (Online) (Sustainable Forest Management + Forest Culture and Science + Climate Change and Resilience + Biomaterials and Carbon Storing) Snr. Prof. Hemanthi Ranasinghe Backup: Dr. Pasan Dunuwila	Session 06 (Sustainable Tourism) Prof. Kamal Ranatunga	Session 07 (Wildlife Conservation and Ecosystem Integrity) Prof. Saminda Fernando	Session 08 (Waste Management and Pollution Control) Snr. Prof. Ajith Alwis
01.00 PM – 01.15 PM	077 A Study on Estimating the Carbon Sequestration Effects of Wood Use in Japanese Buildings Tokunaga Y	094 Survey on the Usage of Forest Wood in Paediatric Ailments by Residents in Polikandy, Jaffna Sivaram N	052 A Comparative Study of Geo-Spatial Characteristics Influencing Eco-Tourism Development in Sri Lanka and Taiwan: Insights for Sustainable Tourism Practices Ranathunga NN	054 Habitat Requirements of the Endemic Sri Lankan Green Pit Viper (<i>Peltopelor trigonocephalus</i>) in Sri Lanka Dhananjani DMT	186 Organic Carbon Fractions in the Weras River, Sri Lanka, under the Influence of Landfill Leachate Inputs Naveen Dulaj Kosgoda
01.15 PM – 01.30 PM	204 Evaluation of the Level of Awareness, Knowledge, and Perception of Climate Change and Related Health Effects among Medical Students at the Faculty of Medicine, University of Kelaniya, Sri Lanka Kalidha Farween	040 Toxicological and Ecological Assessment of <i>Cerebella manghas</i> in the Eastern, Northern Provinces of Sri Lanka M.Nushrath Roshana	212 Eco-Tourism Development Potential in Thannepita: Utilizing Environmental Resources like Natural Streams and Waterfalls for Rural Economic Growth Shammika DLAH	061 Study on Butterfly Abundance and Diversity at the Western Boundary of Kanneliya Forest Reserve Edge Isurika PKT	030 Evaluation of Amoxicillin, Cloxacillin, Cefotaxime, Ciprofloxacin, and Erythromycin Resistance in <i>Escherichia coli</i> Isolated from the Transition Zone of the Kelani River Basin Samarakkody AHA

01.30 PM – 01.45 PM	208 A Case Study on Bamboo Conservation at Sadaharitha Una Arana, Sri Lanka Sachini Abegunawardhana	084 A New Distribution Record of <i>Acrotrema dissectum</i> Thwaites (Dilleniaceae); A Critically Endangered Endemic Plant Species in Sri Lanka Jayaweera JKPTP	166 Linking Eco-Tourism Practices to Visitor Satisfaction and Future Intentions in Galle, Sri Lanka: An Analytical Approach Withana WBA	065 Factors Influencing the Abundance and Coverage of <i>Ramalina</i> sp. Lichens on Selected Three Mangrove Species Ridmika Nuwanthi Dayawansha D	049 Wastewater Treatment and <i>E. coli</i> Removal using Biochar Derived from Sugarcane Bagasse Pramod Jayathilake
01.45 PM – 02.00 PM	151 Proximate Composition, Fatty Acid and Mineral Profiles of <i>Trichadenia zeylanica</i> Thwaites Nuts: From Traditional Use to Scientific Validation Thivanka Peiris	112 Study of Intercropping of Immature Oil Palm (<i>Elaeis guineensis</i>) with Banana, Ginger and Turmeric in the Thalgaswella, Devitura and Pallegoda estates in Galle and Kalutara Districts, Sri Lanka Dissanayake SM	214 Investigating The Possibilities of Nature-Based Tourism: Adventure Activities, Fish Therapy and Water Sports in Heenatiyanwaththa Dola, Kalutara District Shammika DLAH	068 Assessing Habitat Occupancy of Chevrotains (<i>Moschiola meminna</i> and <i>Moschiola kathygre</i>) in Sri Lanka Widana Arachchige Lakshika Tharinduni	071 Plankton Diversity of Selected Waterbodies in Relation to Status of Pollution Yoshini Kumarasinghe
02.00 PM – 02.15 PM	066 Temporal Variations of Interactions between Endemic <i>Pseudophilautus regius</i> (the Polonnaruwa Shrub Frog) and Two Carnivorous Plants in Sri Lanka Pasan Wijesooriya	100 Sediment Organic Carbon and Nitrogen Storage Potential in Kalpitiya Lagoon Seagrass Meadows, Sri Lanka Fernando TSP	227 Integration of Biodiversity Conservation with Sustainable Ecotourism in Sri Lanka Ekanayake EJMJK	069 Activity Pattern of the Sri Lankan Sloth Bear (<i>Melursus ursinus inornatus</i>) in Wilpattu National Park, Sri Lanka Kumari Hippala U	078 Assessment of Heavy Metal Concentrations in Avian Feathers at the Karadiyana Solid Waste Disposal Site Kasthuri Madushi Shashipraba

02.15 PM – 02.30 PM	200 (Online) Optimizing Shoot Proliferation in <i>Musa acuminata</i> (Suwandel Banana) Via Short-Term Benzylaminopurine (Bap) Treatment for Efficient Micropropagation Wishwakulathilaka DT	126 Climate Change, Agriculture, and Economy: Evidence from a CGE Analysis for Sri Lanka Nanayakkara GL	215 Sustainable Tourism Pathways in Madampe: Applying the TRO-TOUR Concept for Eco-Cultural and Community Development Shammika DLAH	085 Assessment of the Dynamics of Wetland Fragmentation in Bellanwila-Attidiya Wetland Dewmini HKU	088 Assessment of Microplastic Fibre Release from Common Synthetic Fabrics During the Washing Process Using Domestic Washing Machines in Sri Lanka Amanda Wijayawardhana
02.30 PM – 02.45 PM	147 Seasonal Changes in Arbuscular Mycorrhizal Fungi Linked to Rhizosphere Characteristics and Soil Properties Saud Aloud	184 Vegetation Cover Change in Ella Sepa Using Prefire–Postfire Ndvi Supported by Supervised Land-Use Classification and Nasa Fire Data Kulasinghe KDDA	240 Visitor Perceptions of Bird-Watching and Ecotourism Potential at Beddagana Wetland Park, Sri Lanka: A SWOT-Based Assessment Buthsarani JAN	102 Compensation as a Strategy for Mitigating Human–Wildlife Conflict in the North Central Province, Sri Lanka: A Choice Experiment Approach Chamodi Senevirathne	146 LDPE and PP Microplastic-Induced Growth Inhibition in Common Bean (<i>Phaseolus vulgaris L.</i>) Growth and Soil Alterations Minha MMF
02.45 PM – 03.00 PM		118 Application of Geospatial Technology to Urban Tree Risk Assessment for Sustainable Urban Green Space Management: Special Reference to Colombo Municipal Area Guruge PSD	191 Tourism and Social Stratification in Weligama, Sri Lanka: A Sociological Analysis of Economic Opportunities and Inequalities Mohammad Thawfeek Rifka Farwin	111 Effects of Benzophenone-3 (BP-3); An Ingredient of Sunscreen Cream, on a Common Freshwater Fish Model (<i>Poecilia reticulata</i>) Saliya Dineshka Dissanayaka	254 Abundance, Seasonal Variation and Human Exposure of Microplastics and Tire Wear in Urban Road Dust from Colombo, Sri Lanka Hashini Nawarathne

Evening Tea Break (3.00 PM – 3.30 PM)

03.30 PM – 05.00 PM	Session 09 Poster (Geology, Soil and Water Resources + Environmental Economics) Dr. Pasan Dunuwila	Session 10 (Geology, Soil and Water Resources) Dr. Saranga Diyabalanage	Session 11 (Online) (Waste Management and Pollution Control) Dr. Arosha Hemali Dr. Renuka Ariyawansha	Session 12 (Sustainable Forest Management + Biodiversity Credit System) Snr. Prof. Hemanthi Ranasinghe	Session 13 (Biomaterials and Carbon Storing) Prof. Hiran Amarasekera
03.30 PM – 03.45 PM	201 The Moragahakanda Irrigation Project & Its Impact on Environmental Poverty Within the Kuznets Curve Framework Weerakkody YS Karunathilaka KMSL	021 B-Lactam and Multi-Drug Resistance Profiling of <i>Salmonella spp.</i> And <i>Shigella spp.</i> Isolated from the Transitional Zone of the Kelani River, Sri Lanka Nihansa Jayathilaka MTS	020 Isolation and Identification of Thermostable Enzyme-producing Fungi from Compost in Wennappuwa, Sri Lanka Heshara Hansi Fernando	206 Evaluating the Impact on Water pH on Glyphosate Acute Toxicity using the Zebrafish (<i>Danio rerio</i>) Embryos Naleefa MN	153 Exploitation of <i>Spirogyra sp.</i> as an Alternate Raw Material for Sustainable Paper Production Corray MMAL
03.45 PM - 04.00 PM	028 Prevalence and Minimum Inhibitory Concentration Profiling of Ciprofloxacin-Resistant Bacteria in Coastal Waters of the Northern and Southern Provinces of Sri Lanka Silva UBK	022 Antibiotic Susceptibility Profiling of <i>Escherichia coli</i> Isolates from Inland Reservoirs Against Selected Antibiotics Sakura Methuli Seneviratne	098 Effect of Poultry Offal as a Substrate for Black Soldier Fly Larvae production Yogarasa Thiviyalan	165 Cultural Justice in Sustainable Forest Management: A Case Study of Fa-Hien Cave, Sri Lanka Withana WBA	239 Assessment of the Natural Durability of Timber Species through Graveyard Method Hetti Arachchige Lakshika Jeewani

04.00 PM - 04.15 PM	031 Morphological and Molecular Characterization of Microcystin-Lr Producing Cyanobacteria in Beira and Boralesgamuwa Lakes, Sri Lanka Arachchi GJB	025 Occurrence and Prevalence of Antibiotic-Resistant Bacteria in Landfill Leachate Favas MF	120 Analysis of Cytotoxicity and Morphological Effect of Tributyltin using Brine Shrimps Fathima Atiyyah Thahir	193 Harmonizing Forest Certification and Deforestation-Free Legislation: Advancing Sustainable Forest Management in Slovakia Under the EUDR Palus H	008 Carbon Sequestration Potential of Medicinal Plants Used in Siddha Pharmacology: A Dual Role in Healing and Climate Mitigation Thanushiyan V
04.15 PM - 04.30 PM	125 (Online) Impact of Initial Tilapia (<i>Oreochromis niloticus</i>) Stocking Size on Crop-Fish Yield and Soil-Water Quality in Integrated Rice-Fish Farming Systems Kumara HKRS	029 Surveillance Of Antibiotic Resistance in <i>Salmonella</i> spp. and <i>Shigella</i> spp. from the Surface and Groundwater of Kelani River Basin, Sri Lanka Perera EWBK	124 <i>In Vitro</i> Evaluation of Rumen Methane Production in Cattle Feed Supplemented with Effective Microorganisms Shaill Rathnayake	248 Influence of Fungal Extracts on Agarwood Resin Yield and Oil Content Rajapaksha SG	018 Development of An Indigenous Bacterial Consortium for Cellulase Production in Sri Lanka: A Step Towards a Greener Economy Pathiran Arachchi TPD
04.30 PM - 04.45 PM		095 Soil Remediation Potential: Evaluation of Polycyclic Aromatic Hydrocarbon Degradation by a Bacterial Consortium Influenced by Silver (Ag) Stress Jayasena C	196 Occupational Exposure and Waste Management Practices of Hazardous Chemicals in Base Hospital Warakapola, Sri Lanka Stephanie Joseph		023 Extraction and Characterization of a Red Pigment from <i>Talaromyces verruculosus</i> Isolated from Kalpitiya Lagoon, Sri Lanka Peiris KCT

04.45 PM - 05.00 PM		235 Influence of Rainfall on the Physicochemical Characteristics: A Study of Aththanagal Oya River Basin, Sri Lanka Bopage NS			250 Variation of Foliage Chlorophyll Content with Maturity of Three Mangrove Species: <i>Rhizophora mucronata</i> , <i>Bruguiera gymnorhiza</i> , and <i>Sonneratia caseolaris</i> De Croos Rubin MR
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End of Day 01 of the Symposium

Day 02 – 24th January 2026

Time	Hall A (The View Hall)	Hall A (The View Hall)	Hall B (The Albatross Hall)	Hall C (The Albatross Hall)	Hall D (The Link Hall)
08.30 AM - 10.30 AM	Session 14 Poster (Geology, Soil Science and Water Resources + Integrated Land Use and Smart City Design) Dr. Niranjan Kannangara	Session 15 (Waste Management and Pollution Control + Environmental Engineering) Dr. Saranga Diyabalanage	Session 16 (Cooperative Environmental Stewardship and Circular Economy + Environmental Engineering + Environmental Economics) Dr. Pasan Dunuwila	Session 17 (Online) (Wildlife Conservation and Ecosystem Integrity + Sustainable Tourism) Dr. Sandali Dissanayake	Session 18 (Biomaterials and Carbon Storing) Dr. Yashodara Liyanage
08.30 AM - 08.45 AM	010 Use of Wastewater for the Mass Growth of Microalgal Species <i>Chlorococcum aquaticum</i> Hasangi Randula	137 Assessing the Effect of Selected Soil Quality Parameters on the Risk Levels of Urban Trees in Colombo Alahendra SN	016 Development of Efficient Microbial Consortia for the Production of Bioethanol Using Rice Straw as the Low-Cost Substrate; A Step into the Circular Bio Economy Dushanthan D V	004 Exploring Sustainable Ecotourism Practices in Ella, Badulla: A Qualitative Inquiry into Community Perspectives and Environmental Conservation Munasinghe DLNK	076 Antimicrobial Properties of Mycelium Based Leather Producing Fungal Species against Bacteria and Fungal Isolated from Leather Products Dewmi Dehiwalage

08.45 AM - 09.00 AM	038 Environmental Knowledge Versus Behavioral Practice: A Case Study on Plastic Waste Disposal in Kamburupitiya Sri Lanka Perera KCL	130 Hydrological Drivers of Vegetation Zonation in a Sri Lankan Riverine Mangrove Wickramasinghe MPMN	063 Development of Bio-Based Water-Repellent Wood Treatment Bhagya WKP	122 A Study of Community Based Eco Tourism Practices in Biodiversity preservation in Forest Areas: Special Reference to Wilpattu National Park Bhagya Ranasinghe	104 Impact of Intra Specific Competition on Carbon Stock Accumulation in <i>Lumnitzera racemosa</i> : A Case Study Using the Hegyi Index Saputhanthri AP
09.00 AM - 09.15 AM	075 Optimization of Color and Turbidity Removal from Batic Wastewater by Coagulation and Flocculation Using Poly-Aluminum Chloride (PAC) with Response Surface Methodology (RSM) Warnakulasuriya MCM	173 Temporal Variability of Soil Properties in the Diyawannawa Wetland, Sri Lanka Thennakoon TMPDUB	246 Application of Life Cycle Assessment to Evaluate Environmental Impacts of Municipal Solid Waste Management: A Case Study of Karadiyana, Sri Lanka Kaveesha AKDA	044 Ecotourism as a Pathway to Improve the Living Standards, in Sangilipalama, Kotmale, Nuwara Eliya District Thirunavukkarasu Mathivathani	117 Effectiveness of Assisted Natural Regeneration in Revitalizing Soil Carbon Stocks in Former Chena Lands Wijesekara PANU
09.15 AM - 09.30 AM	169 Varietal-Specific Assessment of Arsenic and Mercury content and Associated Health Risks in Traditional Sri Lankan Rice Ekanayaka EMSL	198 Land Use Changes and Challenges in Achieving Effective Regional Development Planning in the Jaffna Divisional Secretariat Division. Dishani Christoper C Kayathri S	187 Sustainable Water-Based Transportation in the Colombo Area Kalhara TGD	047 GIS-Based Assessment of Coastal Tourism Sustainability and Environmental Vulnerabilities: A Case Study of Trincomalee District, Sri Lanka Sathyaseelan Sawjanya	203 Phytochemical Composition and Antioxidant Potential of <i>Gracilaria verrucosa</i> and <i>Gracilaria multipartita</i> Peiris LDC

09.30 AM - 09.45 AM	176 Integrated Waste Management Control in a Clinical Waste Treatment Facility in Sri Lanka: A Model for Sustainable Operations Lanka Wishvajith	162 Assessing the Synergy of Rooftop Agriculture, Solar Energy, and Rainwater Harvesting in Sri Lanka's Land Use Policy Wickramanayake KASL	245 Environmental Life Cycle Assessment of Selected Drinking Water Treatment Plants in Kurunegala District Herath HMPK	188 Sustainable Agro-Tourism and Climate Entrepreneurship in Hanguranketha, Sri Lanka Guruge,TPGWD	220 Effectiveness of Assisted Natural Regeneration in Revitalizing Soil Microbial Communities in Former Chena Lands Wijesekara PANU
09.45 AM - 10.00 AM	174 Assessment of Acute Toxic Effects of Zinc Oxide Nanoparticles in Zebrafish (<i>Danio rerio</i>) Embryos Arunoda Udari		138 Quantification of Internal Trunk Decay in Urban Trees using Ground Penetrating Radar (TRUTM): A Case Study in Colombo, Sri Lanka Alahendra SN	090 Behavioral Ecology of a Feral Population of Spotted Deer (<i>Axis axis</i>) in Suburban Lowland Wet Zone of Sri Lanka Sanjeewa Muhandiram	048 Cracking Plastic: Molecular and AI Driven Insights into Enzymatic PET Breakdown Thaamiran P
10.00 AM - 10.15 AM	171 (Online) Towards the Sustainable Organic Waste Management at the Institutional Canteens in Vavuniya, Sri Lanka Lakshani Erandika DM		096 Life Cycle Assessment of Feeding Strategies in Sri Lankan Smallholder Dairying: A Comparison of Greenhouse Gas Emission Costs Kulasekara KGALS	099 Integrating UAV- Based Mapping with Soil Organic Carbon and Nitrogen Analysis of Coastal Sand Dunes in Kalpitiya, Sri Lanka Senanayaka BMMM	

10.15 AM - 10.30 AM	073 Fire Risk in The Built Environment: Towards Sustainable Urban Resilience in Colombo City Area Nalaka Liyanapeli			109 Diversity of Butterfly Species in Urban and Semi-Urban Areas of Sri Lanka Jayarathne SMCD	
Morning Tea Break (10.30 AM - 10.45 AM)					
10.45 AM - 12.45 PM	Session 19 (Geology, Soil Science and Water Resources + Environmental Economics + Environmental Engineering + Climate Change and Resilience) Dr. Parakrama Weligamage	Session 20 (Wildlife Conservation and Ecosystem Integrity) Prof. Uthpala Jayawardena	Session 21 (Waste Management and Pollution Control) Dr. Niranjan Kannangara	Session 22 (Climate Change and Resilience) Snr. Prof. Hemanthi Ranasinghe	
10.45 AM - 11.00 AM	237 Urban Household's preferences for Sustainable Air Quality Management Practices: A Choice Experiment Approach Sivashankar S	108 Evaluation of the Neurotoxic Effect of Polycyclic Aromatic Hydrocarbons (PAH) on Brine Shrimp as an Invertebrate Model Fathima Zainab Mujibur Rahuman	079 Evaluation of Soil Bacterial Consortium in the Biodegradation of Polycyclic Aromatic Hydrocarbons Under Iron (Fe) Stress Conditions Vaishnavi Uthayakumaran	041 Efficacy of Plant Extracts in Controlling Seed Fungal Infections and Enhancing Germination of Annual Wild Rice: <i>Oryza nivara</i> in Sri Lanka Bandara DMAD	
11.00 AM - 11.15 AM	114 Erosion Dynamics and Conservation Willingness: A Pathway for Sustainable Land Management in the Gurugoda Oya Basin Seelanatha SSKT	141 Wings over Wetlands: Diversity, Habitat Utilization, and Risk Assessment of Migratory Shorebirds in Wilpattu National Park Nuwanthi Upeksha Gunarathna DKG	080 Phytoremediation of Zinc and Chromium in Partially Saturated Constructed Wetlands using <i>Typha angustifolia</i> Dassanayake DVNW	046 Unprotected Coastal Shrub Vegetation in the Eastern Coast of Sri Lanka: Impacts of Anthropogenic Disturbances and Predicted Sea-Level Rise Thayananth S	

11.15 AM - 11.30 AM	093 Assessment of Variability of Carbon Stocks, Physicochemical Parameters, Growth Dynamics of Mangrove Soil and Mangrove Ecosystem in Koggala Lagoon, Sri Lanka Nimasha SJKS	115 The Impact of Aquatic Invasive Plant, <i>Pontederia crassipes</i> , on Zooplankton Abundance and Diversity in Muthun Ela Stream, Gampaha, Sri Lanka Brinthika Vilvarashah	082 Growth Pattern of <i>Chlorella variabilis</i> in Untreated and Partially Treated Palm Oil Mill Effluent (POME) Rusiru Udwawita	056 Comparative Carbon Storage of Common Tree Species: A Study at University of Kelaniya Sri Lanka Samaraweera SAPT
11.30 AM - 11.45 PM	234 Quantification and Spatial Variability of Soil Organic and Inorganic Carbon in the Intermediate Zone Forests. Chamudi Semini	116 Determination of Threshold Toxicity of Chloride in Drinking Water Using the Zebrafish as a Vertebrate Animal Model Rifthika M	087 Fractionation and Mobility of Toxic Trace Metals in Soils from E-Waste Processing Sites Nimalsha Malinthi Fernando	067 Identification of Landslide Susceptible Zones of Nuwara Eliya District Using the Geospatial Technologies Kokawalage PHH
11.45 PM - 12.00 PM	164 Environmental Life Cycle Assessment for Solid Tire Manufacturing: A Case Study from Sri Lanka Athawuda ARNN	163 Comparative Assessment of Avifaunal Diversity Across Habitat Zones in the Malgasowitadeniya Riverine Mangrove Forest, Sri Lanka Diwakara DMTK	105 Low-Cost Sustainable Dye Removal from Textile Wastewater Using Banana Husk-Derived Activated Carbon Sashini Dilhara	086 Mangrove Based Resilience Strategies in Sri Lanka's Coastal Ecosystems: Addressing Climate Change for Sustainable Environmental Management Herath PMLS

12.00 PM - 12.15 PM	224 Comprehensive Greenhouse Gas Emissions Assessment at the University of Sri Jayewardenepura: Establishing an Evidence-Based Framework for Carbon-Neutral Campus Operations Weerakkodi TN	132 Human-Monkey Conflict in Sri Lanka: Evidence from Yapahuwa to Guide Feeding Stations as a Mitigation Strategy Silva GCS	140 Emerging Contaminants in Waste Management: Plasticizer Release from Sri Lankan Landfill Sites Chathumi Manangodage	143 Influence of El Nino Southern Oscillation (Enso) Variation on Main Paddy Cultivation Seasons in Sri Lanka Ranahansi HKN
12.15 PM - 12.30 PM		134 Assessing the Habitat Utilization, Occupancy, and Land Use Change for the Conservation of Elephants in Wilpattu National Park, Sri Lanka Pasindu Rodrigo	156 Role of Material Recovery Facility in Minimizing the Final Disposal: Evidence from Anuradhapura Municipal Council Rathnayake RMMA	219 Vertical Distribution of CO ₂ in Village, Urban, and Forest Environment: A Case Study from Gampaha, Sri Lanka Jayathilaka BD
12.30 PM - 12.45 PM		136 Seasonal and Daily Variations of Mugger Crocodile (<i>Crocodylus palustris</i>) Behaviors in Wilpattu National Park Charani Gunathilaka	157 Study on Odonates as Bioindicator Species of Water Quality in Selected Urban Wetlands Mohotti CRWC	
Lunch (12.45 PM - 1.45 PM)				

01.45 PM - 04.00 PM	Session 23 (Citizen Science) Prof. Hiran Amarasekera	Session 24 (Wildlife Conservation and Ecosystem Integrity) Dr. Dulan Jayasekara Backup: Dr. Sandali Dissanayake	Session 25 (Online) (Geology, Soil and Water Resources + Integrated Land Use and Smart City Design + Biodiversity Credit System + Wildlife Conservation and Ecosystem Integrity) Prof. Daham Jayawardana	Session 26 (Waste Management and Pollution Control) Dr. Chaamila Pathirana	
01.45 PM - 02.00 PM	149 Public Participation in the Environmental Impact Assessment Process in Sri Lanka: A Case Study of Selected Projects	241 Diversity Patterns of Early Migratory and Resident Birds in the Beddagana Wetland Park, Sri Lanka	037 Effects of Calcium Silicate-Containing Civil Construction Waste on Soil N ₂ O Emissions	014 Optimization of Extracted Pectin Yield from Discarded Lime (<i>Citrus aurantifolia L.</i>) Peels using Response Surface Methodology	
02.00 PM - 02.15 PM	170 Greening the Bench: The Role of Public Interest Litigation in Fostering Environmental Consciousness: A Socio-Legal Inquiry in South Asia	Dias AASD Ganegama GMKSK	Buthsarani JAN Kathurjan T	Rathnayake NRRWS Dasuni VN	Sewwandi MGY Wijetunge DS

02.15 PM - 02.30 PM	205 First Record of Critically Endangered <i>Vandeleuria nolthenii</i> from the Hakgala Botanical Garden, Central Highlands of Sri Lanka	148 Avifaunal Richness and Composition Along the Land-Use Gradient of the Endane Biodiversity Corridor Landscape, Nivithigala, Sri Lanka	005 Diversity and Distribution of Lichen and Flora Species in Serpentine Soil in Ussangoda, Sri Lanka	032 Detection of <i>Escherichia coli</i> O157 in Raw and Processed Dairy Products in Colombo District
	Nethraja KGS	Kodithuwakku KAIA	Kolitha Kumara	Dileka Rajathunge WA
02.30 PM - 02.45 PM	209 Preliminary Survey of Avifaunal Diversity at Horizon Campus	119 A Novel Approach to Assess Biocapacity, A Case Study from the Pundalu Oya Valley, Sri Lanka	011 Effects of Repeated Application of Organic Amendments on Water Repellency, Initial Infiltration, and Hydraulic Conductivity of Soil Under Field Conditions	158 Green Synthesis of Zinc Oxide Nanoparticles Embedded Microcrystalline Cellulose from Murusi Crown Leaves for Water Hardness Removal by Column Adsorption
	Tharinda Sahan	Wijesekara PANU	Rajapaksha RAND	Erandi Ashinshani LRC
02.45 PM - 03.00 PM	217 Awareness of EUDR and USD NOP Organic Certification Standards among Smallholder Rubber Farmers in Kalutara and Colombo Districts, Sri Lanka: Influence of Production Practices and Market Exposure	179 The Effect of Environmental Factors on the Diurnal Activities of a Common Wetland Predator (Aves, <i>Egretta garzetta</i>) in an Urban Wetland Complex in Colombo, Sri Lanka	081 Evaluating the Relationship Between Chemical Oxygen Demand (COD) and Polycyclic Aromatic Hydrocarbons (PAHs) in Kelani River	167 Institutional Plastic Waste Management in Vavuniya, Sri Lanka: Issues and Opportunities
	Perera HTJ	Gunawardena BPA	Adhikari PAAS	Piyumika NGT

03.00 PM - 03.15 PM	225 Landscape-Level Degradation Mapping of Invasive Plant Species in the Central Highland Cloud Forest of Bopaththalawa, Sri Lanka	183 DNA Barcoding Confirms the First Record of the Coral <i>Pocillopora acuta</i> in Sri Lankan Reefs, which was Previously Misidentified as <i>P. damicornis</i>	150 Watershed Management Practices and Their Long-Term Impacts in the Uva Basin, Sri Lanka: A Case Study of The Upper Watershed Management Project	177 Evaluation of Material Flow for Sustainable Wafer Production by Highlighting Inefficiencies
	Palinda Perera	Dissanayake PAKN	Fernando MRM	Kuruppuarachchi HN
03.15 PM - 03.30 PM	231 Awareness and Behavioral Contribution of Consumers towards Fast Fashion and Carbon Footprint	107 Evaluation of Glyphosate Toxicity Using <i>Artemia salina</i> as an Invertebrate Model	190 Assessment of Hygiene Practices and Water Quality of Commercial Reverse Osmosis Water Filtration Units in Anuradhapura Town Sri Lanka	233 Calculation of Landfill Gas Flux Rates Through the Surrounding Soil Profile and the Water Bodies of the Karadiyana Municipal Solid Waste (MSW) Open Dumpsite in Sri Lanka
	Illawatura AMAL	Manchurika Sooriyakumaran	Rajakaruna RMNK	Herath PL
03.30 PM - 03.45 PM	243 Community Willingness and Structural Barriers to Incentive-Based Recycling in Sri Lanka	202 Influence of Forest Proximity on Species Composition and Diversity of Avifauna in Buffer Zones	129 Ethnobotanical Survey of Antidiabetic Medicinal Plants in Chavakachcheri	027 Identification of Virulent Gene Clusters (Eae-A and Stx2) in <i>Escherichia coli</i> O157 Isolated from the Bolgoda River
	Chanuth Amarathunga	Vishwa Sankalana	Rakulini S	Jayasuriya TL

03.45 PM - 04.00 PM	232 Macroscopic Identification of Fungi in Beddagana Wetland Ecosystem, Sri Lanka Withanapathirana WPB		192 Discovery of Fossilized <i>Spenophyllum</i> sp of Permian Period in the Tabbowa Sedimentary Basin: Sri Lanka Edirisooriya EMSGM	
Evening Tea Break (4.00 PM - 4.30 PM)				
End of the Symposium				