



**The 03<sup>rd</sup> International Conference on  
University-Industry Collaborations  
for Sustainable Development  
(ICSD 2026)**

**PROGRAM BOOK**

## **The 3<sup>rd</sup> International Conference on University-Industry Collaborations for Sustainable Development (ICSD 2026)**

### **Vision**

To create a global platform that inspires and empowers University-Industry collaborations, driving sustainable solutions, innovative technologies, and entrepreneurial strategies for sustainable development

### **Mission**

To facilitate dialogue, knowledge exchange, and partnerships among academia, industry, and policymakers. By integrating cutting-edge research, practical insights, and visionary thinking, the conference seeks to enhance university curricula, strengthen business links, and catalyze the development of innovative sustainable solutions that promote environmental and socio-economic growth

## PREFACE

Welcome to the Third International Conference on University–Industry Collaborations for Sustainable Development (ICSD 2026), also known as the Colombo Conference. This distinguished gathering serves as a catalyst for the exchange of cutting-edge ideas, innovative technologies, and entrepreneurial strategies within the realm of agro-industries. With a strong commitment to sustainability, the conference aims to advance university curricula into new dimensions, strengthen industry partnerships, and cultivate a dynamic environment for invention, innovation, and entrepreneurship. Contained within this program book are research contributions spanning a wide range of sub-specialties, reflecting the diversity and impact of work carried out by scholars and practitioners alike. These abstracts are scheduled for presentation at parallel sessions on March 26th and 27th, 2026, at gapHQ, Colombo 07, Sri Lanka. We extend our deepest appreciation to our esteemed keynote speakers, whose valuable insights have significantly contributed to shaping the discourse on University–Industry Collaborations for Sustainable Development. The richness of this compilation is largely due to the dedication and high caliber of the contributing authors, who have presented research of exceptional quality. Each abstract featured in this book has undergone rigorous review by a panel of academic and professional experts distinguished in their respective fields. We express our sincere gratitude to these reviewers for their tireless efforts in upholding and enhancing the scholarly standards of this publication. We also acknowledge with appreciation the unwavering support and guidance provided by both local and international advisory committees, as well as the committed members of the co-chairs committee. Their contributions have been instrumental in ensuring the success of this important event. We extend our heartfelt thanks to all volunteers who have generously contributed their time and expertise toward the seamless execution of the conference. Furthermore, we gratefully acknowledge the FOUNTAIN Project, co-funded by the European Union, for its valuable financial contribution and continued support. As editors, it is our earnest hope that this program book will serve as a valuable resource for the global research community engaged in University–Industry Collaborations for Sustainable Development. May the insights shared within these pages inspire and guide future endeavors toward a more sustainable and collaborative future.

### **Editors**

Prof. Ranjith Dissanayake

Dr. Pradeep Gajanayake

The Third International Conference on University-Industry Collaborations for Sustainable Development (ICSD 2026) 25<sup>th</sup> to 27<sup>th</sup> March 2026, gapHQ, Colombo 07, Sri Lanka

## Message from the Conference Co-Chairs

It is with great pleasure that we extend a warm welcome to all participants of the Colombo Conference – the Third International Conference on University–Industry Collaborations for Sustainable Development (ICSD 2026), held in the vibrant city of Colombo, Sri Lanka. The chosen theme, “University–Industry Collaborations for Sustainable Development,” resonates strongly with the global imperative to foster innovative and sustainable research that shapes a brighter future. In organizing this conference, our vision is to create a dynamic convergence point for talent, knowledge, and commitment. We believe this platform will serve as a catalyst for generating groundbreaking ideas and facilitating the exchange of expertise among participants dedicated to sustainable global development. This year’s conference explores diverse sub-themes within the broad spectrum of sustainable development, with particular emphasis on the vital interplay between academia and industry. We anticipate insightful discussions across a wide range of disciplines, each contributing to the overarching goal of advancing sustainable research and innovation for the benefit of future generations. Selected high-quality full papers presented at the Colombo Conference (ICSD 2026) will be considered for publication by Springer Nature under the book series Proceedings in Technology Transfer. All other accepted papers will be published in a special volume of conference proceedings with an International Standard Serial Number (ISSN). The choice of Colombo as our host city remains significant, as it is a destination rich in heritage, distinctive architecture, cultural diversity, and natural beauty. We hope that alongside the intellectually engaging sessions, you will find time to experience the unique charm and warmth of Colombo. Our heartfelt gratitude is extended to our distinguished guests, keynote speakers, contributing authors, members of the international advisory committee, and the dedicated editorial team. We also sincerely appreciate the generous support of our sponsors and the invaluable efforts of all volunteers who have contributed to making this event a success. As conference co-chairs, we are honored to be part of this collaborative journey toward sustainable development. We look forward to a vibrant exchange of ideas and the creation of lasting partnerships during this memorable event.

Prof. Ranjith Dissanayke  
Prof. G. Yugantha Jayasinghe  
Mr. Ravi Nissanka  
Dr. Ravi Liyanage  
Prof. Sujeeva Setunga  
Prof. Dilanthi Amaratunga  
Prof. Lasith Gunawardena  
Prof. Irene Lill  
Prof. Artūras Kaklauskas  
Mr. Sujith Gunawardena  
Prof. R.M.U.S.K. Rathnayaka  
Prof. M.H.J.P. Gunarathna  
Assoc. Prof. Sarintip Tantanee  
Asst. Prof. Sujinda Sriwattana  
Assoc. Prof. Jörgen Sparf  
Dr. Valsson Varghese

The Third International Conference on University-Industry Collaborations for Sustainable Development (ICSD 2026) 25<sup>th</sup> to 27<sup>th</sup> March 2026, gapHQ, Colombo 07, Sri Lanka



THE  
COLOMBO  
CONFERENCE



# The 03<sup>rd</sup> International Conference on University-Industry Collaborations for Sustainable Development (ICSD 2026)

 **gapHQ, Colombo 07**

 **25<sup>th</sup> March 2026**

Time	Agenda Item	
3.00 PM - 4.15 PM	Thema Talks	Tourism in a Changing Climate – Shaping Climate -Resilient Tourism in Sri Lanka
4.15 PM - 4.30 PM	Evening Refreshment	
4.30 PM - 4.50 PM	Commencement of the Colombo Conference Opening Ceremony	
4.50 PM - 5.05 PM	Welcome Address	Prof. Emiretus Ranjith Dissanayake, Conference Co-Chair & CEO/Founder gapHQ.
5.05 PM - 5.15 PM	Introduction of Chief Guest	Senior Professor R.M.U.S.K. Rathnayaka, Sabaragamuwa University of Sri Lanka.
5.15 PM - 5.30 PM	Address by the Chief Guest	Senior Professor K.L. Wasantha Kumara, Vice Chairman, University Grants Commission (UGC) of Sri Lanka.
5.30 PM - 5.40 PM	Introduction of the Keynote Speaker 1	Prof. C.S. Bandara, Department of Civil Engineering, University of Peradeniya.
5.40 PM - 6.00 PM	Keynote Speech 1	Prof. Emeritus Clarence W. De Silva, University of British Columbia (UBC), Vancouver, Canada.
6.00 PM - 6.10 PM	Brief Backstory of University Industry Collaboration – FOUNTAIN	Prof. Guttilla Yugantha Jayasinghe, Dean, Faculty of Agriculture, University of Ruhuna.
6.10 PM - 6.15 PM	Short Video Presentation	Highlights and Memories of the FOUNTAIN Event
6.15 PM - 6.25 PM	Introduction of the Keynote Speaker 2	Prof. Janaka Gunarathne, Department of Agricultural Engineering and Soil Science, Faculty of Agriculture.
6.25 PM - 6.45 PM	Keynote Speech 2	Prof. Irene Lill, Department of Civil Engineering and Architecture, Tallinn.
6.45 PM - 6.55 PM	Tokens of Appreciation	
6.55 PM - 7.00 PM	Closing Remarks	Dr. Pradeep Gajanayake, Conference Manager & Senior Lecturer, Faculty of Technology, University of Sri Jayewardenepura.
7.00 PM ONWARDS	Networking Dinner	

**Zoom Link:** <https://us05web.zoom.us/j/87469851097?pwd=9SFzhx1oBhIo0CjIAQs0YQBIBcSQ9o.1>

**Meeting ID:** 874 6985 1097

**Passcode:** trA6xZ

25th of March 2026						
<b>Inauguration Ceremony</b>						
Auditorium Zoom Link: <a href="https://us05web.zoom.us/j/87469851097?pwd=9SFzhx1oBhIo0CjIAQs0YQBIBcSQ9o.1">https://us05web.zoom.us/j/87469851097?pwd=9SFzhx1oBhIo0CjIAQs0YQBIBcSQ9o.1</a>						
Meeting ID: 874 6985 1097			Passcode: trA6xZ			
26th of March 2026						
	Room 1 (Hybrid)	Room 2 (Hybrid)	Room 3 (Hybrid)	Room 4 (Online)	Room 5 (Online)	Room 6 (Hybrid)
8.30 - 10.30	Biotechnology, Biomedical Science & Natural Products - I	Climate-Smart Agriculture and Agri-Tech Innovations I	Sustainable Materials, Agriculture, and Emerging Technologies	Circular Economy and Waste-to- Value Innovations for Industry - II	Climate-Smart Agriculture and Agri-Tech Innovations -II	Global University Industry Collaboration Summit (GUICS 2026)
<b>Tea Break</b>						
11.00 - 13.00	Circular Economy and Waste-to-Value Innovations for Industry - I	Urban Resilience, Climate Risk Modeling & Disaster-Resilient Planning.	Veterinary and Animal Sciences for One Health and Sustainability	Food Processing, Product Development, and Food Technology Innovations - II	Digital Transformation, Data Analytics, and Emerging Technologies - II	
<b>Lunch</b>						
14.00 - 16.00	Environmental Technologies, Resource Management, and Sustainable Engineering Solutions	Sustainable Entrepreneurship, Tourism, and Innovation for Economic Development - I	Sustainable Infrastructure, Green Construction, and Environmental Management	Sustainable Entrepreneurship, Tourism, and Innovation for Economic Development -II		Strengthening University- Industry Collaborations for Sustainable Development
<b>Tea Break</b>						
27th of March 2026						
	Room 1 (Hybrid)	Room 2 (Hybrid)	Room 3 (Hybrid)	Room 4 (Online)	Room 5 (Online)	
8.30 - 10.30	Food Processing, Product Development, and Food Technology Innovations - I	Food Preservation, Packaging, and Smart Food Quality Technologies	Artificial Intelligence, Machine Learning, and Intelligent Systems	Biotechnology, Biomedical Science & Natural Products - II	Renewable Energy Systems, Solar Technologies, and Advanced Engineering Innovations	FOUNTAIN Meeting
<b>Tea Break</b>						
11.00 - 13.00	Functional Foods, Nutraceuticals, and Health-	Digital Transformation, Data Analytics, and Emerging Technologies - I	Sustainability Governance, Policy, and Social Dimensions of	Sustainable Resource Management, Materials, and	Climate-Smart Agriculture, Sustainable Crop Production, and	FOUNTAIN Meeting

	Oriented Food Innovations		Sustainable Development	Environmental Behaviour	Bio-Innovations II	
<b>Lunch</b>						
Auditorium Zoom Link: <a href="https://us05web.zoom.us/j/87469851097?pwd=9SFzhx1oBhlo0CjIAQs0YQOBIBcSQ9o.1">https://us05web.zoom.us/j/87469851097?pwd=9SFzhx1oBhlo0CjIAQs0YQOBIBcSQ9o.1</a> Meeting ID: 874 6985 1097 Passcode: trA6xZ						
Hybrid Session Zoom Link: <a href="https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1">https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1</a> Meeting ID: 833 5550 1299 Passcode: 060425						
Online Session Zoom Link: <a href="https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNALp4G3N.1">https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNALp4G3N.1</a> Meeting ID: 840 4710 8893 Passcode: 731446						

<b>26<sup>th</sup> March 2026 / 08.30 – 10.30 hrs</b>		
<b>Room 01 - Session 01 (Hybrid)</b>		
<b>Biotechnology, Biomedical Science &amp; Natural Products - I</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1">https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1</a>	
	Meeting ID: 833 5550 1299 Passcode: 060425	
<b>Session Chairs</b>		
Dr. Anjelo Karunaratne Biomedical Engineering at Swansea University	Dr. Kumari Fonseka University of Ruhuna	Dr. Sumudu Mapa University of Sri Jayewardenepura
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
<b>Key Lecture</b> <b>8.30 - 9.00</b>	<b>BIOMATERIALS TO BEDSIDE: BRIDGING ADVANCED SCIENCE AND ACCESSIBLE HEALTHCARE FOR SUSTAINABLE DEVELOPMENT</b> <i>Dr. Anjelo Karunaratne</i>	
9.00- 9.15	ICSD_023	COMPREHENSIVE BIOLOGICAL PROFILING OF CROTON CAUDATUS GEISELER. ; A SUSTAINABLE APPROACH TO COLORECTAL CANCER THERAPY <i>A.M.G.M.S. Bandara, A.I. Kuruppu, S.H. Tennakoon</i>
9.15- 09.30	ICSD_187	ROLE OF PLANT TISSUE CULTURE IN DEVELOPING CLIMATE-RESILIENT CROP VARIETIES: EMERGING TRENDS AND FUTURE AGRI-TECH OPPORTUNITIES <i>W.M.A.C. Premasiri, R.M.Y.I. Rathnayake, D.L.C.K. Fonseka</i>
9.30- 9.45	ICSD_260	SYNERGISTIC EFFECTS OF CHITOSAN AND NANO-SILICA SEED PRIMING ON EARLY DROUGHT TOLERANCE AND RADICLE GROWTH IN MAIZE <i>A.A.P.M. Amarasinghe, N.D.M. Kodikara, G.H. Thiranagama, T.D.M. Gimhani, H.W.K.S.L. Kumara</i>
9.45- 10.00	ICSD_263	DEVELOPMENT OF A SINGLE-ACTIVE-HERBAL-COMPONENT TOOTHPASTE USING MIMUSOPS ELENGI L. WITH ANTIMICROBIAL AND PHYSICOCHEMICAL ANALYSIS <i>R.A.J.C. Bandara, G.J. Panagoda, B.S. Nanayakkara, C. Gunasena, M.R.D.M. Senanayake</i>
10.00- 10.15	ICSD_278	SRI LANKAN MARINE ALGAE AS A SUSTAINABLE SOURCE OF NOVEL ANTIMICROBIAL AGENTS: CURRENT FINDINGS AND FUTURE PROSPECTS <i>V.G.U. Lakmini</i>
10.15 – 10.30	ICSD_294	CYTOTOXICITY AND NO INHIBITORY PROPERTIES OF AGAR RICH FRACTION EXTRACTED FROM GRACILARIA JAPONICA <i>D.M.N.M. Gunasekara, S. Ambagaspitiya, R.S. Dassanayake, I.U. Kariyawasam, K.H.I.N.M. Herath, H.D.T.U. Wijerathne, Hyun-Soo Kim, K.K.A. Sanjeewa</i>
Session Coordinator	Eng. Ravishka Iroshana   +94 77 5405870 Ms. Bhagya Perera   +94 740 503184	

<b>26<sup>th</sup> March 2026 / 08.30 – 10.30 hrs</b>		
<b>Room 02 - Session 01 (Hybrid)</b>		
<b>Climate-Smart Agriculture and Agri-Tech Innovations- I</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1">https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1</a>	
	Meeting ID: 833 5550 1299      Passcode: 060425	
<b>Session Chairs</b>		
Dr. Pichaya Poonlarp Chiang Mai University	Dr. W.B.M.A.C. Bandara University of Ruhuna	Dr. P.P. Ruwanpathirana University of Ruhuna
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
8.30- 8.45	ICSD 257	MICROALGAE INTEGRATION IN HYDROPONIC SYSTEMS FOR SUSTAINABILITY: A SYSTEMATIC LITERATURE REVIEW <i>K.G.R.R. Kobbegala, W.G.M. Randika, G.Y. Jayasinghe</i>
8.45- 9.00	ICSD 366	A SYSTEMATIC REVIEW OF DIGITAL TWIN APPROACHES FOR ENHANCING PRODUCTIVITY IN TROPICAL CONTROLLED ENVIRONMENT AGRICULTURE: ARCHITECTURES, OPTIMIZATION, AND IMPLEMENTATION GAPS <i>E.R.M.S. Ekanayake, W.G.M. Randika, M.C. Karunadasa, T.S. Ukwaththa, M.M.S.T. Jayamali, S.M.S.N. Senanayake, A.H. Weerakoon, G.Y. Jayasinghe</i>
9.00- 9.15	ICSD 152	IDENTIFICATION OF SELECTED SRI LANKAN TRADITIONAL AND NEW IMPROVED RICE VARIETIES AT GRAIN LEVEL USING COMPUTER VISION AND MACHINE LEARNING <i>K. Piratheep, C.S. Silva, K.N. Deshapriya, W.K.S.M. Abeysekera, W.P.K.M. Abeysekera, S.R. Samarakoon, G.A.S. Premakumara</i>
9.15- 09.30	ICSD 180	WEEDIQ: SMART WEED MANAGEMENT, AN AI-DRIVEN MULTI-STAGE SYSTEM FOR CROP-WEED DETECTION, DENSITY MAPPING, AND HERBICIDE DOSAGE OPTIMIZATION <i>P.M.K.L.Y. Kapugamage, M. Fernando</i>
9.30- 9.45	ICSD 352	RELATIONSHIP BETWEEN SALINITY STRESS CONDITION OF PLANT GROWTH, YIELD AND TASTE COMPONENTS IN TOMATO ( <i>Solanum lycopersicum</i> ) <i>D. D. N. Vibodhani, W. Morin Dhilani</i>
9.45- 10.00	ICSD 367	SPECIES-SPECIFIC GROWTH RESPONSES OF MUNG AND RADISH MICROGREENS TO LED SPECTRAL COMPOSITION UNDER CONTROLLED-ENVIRONMENT CONDITIONS <i>Prabath P.D, Ukwaththa T.S., Siriwardana A.J.M.C.M, Rifnas L.M., Jayasinghe G.Y.</i>
10.00 - 10.15	ICSD 370	EFFECT OF WATER DEFICIT ON THE DEVELOPMENT OF TOMATO ( <i>Solanum lycopersicum</i> ) FRUIT AND FRUIT QUALITY IN THE DRY ZONE OF SRI LANKA <i>D.D.N.Vibodhani, W.M.T.I.Wijesundara, W. Morin Dhilani, K.Yobisuthan, R.M.S.M.B Rathnayaka</i>

10.15 - 10.30	ICSD 350	THE CHALLENGES OF SWAT-BASED ASSESSEMENT OF RUNOFF AND SOIL EROSION MODELLING IN TROPICAL WATERSHEDS: A SYSTEMATIC REVIEW <i>M.M.S.T.Jayamali , T.A.N.T. Perera , G.Y.Jayasinghe</i>
10.30 – 10.45	ICSD 375	ADDRESSING DETECTION GAPS IN FUSARIUM WILT: A COMPARATIVE STUDY OF PCR AND VISUAL INSPECTION ,METHODS <i>Randika Gamachchige, H.J.A Rupasingha, Kazuhito Sakai, W.B.M.A.C Bandara, G.Y. Jayasinghe</i>
Session Coordinator		Eng. Sankalya Lunuwila +94 77 738 8441

<b>26<sup>th</sup> March 2026 / 08.30 – 10.30 hrs</b>		
<b>Room 03 - Session 01 (Hybrid)</b>		
<b>Sustainable Materials, Agriculture, and Emerging Technologies</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1">https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1</a>	
	Meeting ID: 833 5550 1299 Passcode: 060425	
<b>Session Chairs</b>		
Dr. Chinthaka Karalliyadda Rajarata University of Sri Lanka	Dr. Chamila Wijekoon University of Ruhuna	Dr. Deepachandi Lekamge Sabaragamuwa University of Sri Lanka
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
8.30- 8.45	ICSD_013	INFLUENCE OF CELLULOSE SOURCE ON THE PROPERTIES OF CELLULOSE HYDROGELS DERIVED FROM WASTE BIOMASS  <i>B.T.S. Bandara, H. Iresha, C.S. Kalpage</i>
8.45- 9.00	ICSD_025	CROSS BREEDING AND CULTURING OF FIVE DIFFERENT COLOUR OF “Neocaridina davidi” SHRIMP, TO GET COMMERCIAL PROFIT AND TO DEVELOP NEW COLOURS  <i>W.M.P.Peiris</i>
9.00- 9.15	ICSD_101	ENHANCED DIABETIC RETINOPATHY DETECTION USING SWIN TRANSFORMER WITH CLAHE AND SMOTE: IMPROVING ACCURACY AND CLINICAL INTERPRETABILITY  <i>N. Sanjeevan, R. Thisakaran</i>
9.15- 09.30	ICSD_111	A SYSTEMATIC REVIEW OF CRISPR-CAS-MEDIATED GENOME EDITING FOR DEVELOPING CLIMATE-RESILIENT CROPS: A FOCUS ON YIELD STABILITY UNDER DROUGHT AND SALINITY STRESS  <i>P.V.V. Ranmini</i>
9.30- 9.45	ICSD_279	IDENTIFICATION OF SEASONAL WEATHER AND SOIL CHEMICAL PARAMETERS INFLUENCING RICE PRODUCTIVITY IN DRY ZONE SRI LANKA  <i>M.D.N.D. Perera, R.U.H. Halwatura, N. Weerasinghe, S. Grover, L. Ranathunge</i>
9.45- 10.00	ICSD_232	Extraction and Characterization of Cellulose from Pineapple Leaves, Corn Cobs, and Bamboo Stems for Sustainable Material Applications  <i>G.M.M. Dissanayaka, W.A.S.A.V. Wijesinghe, K.G.C. Senarathna</i>
10.00 - 10.15	ICSD_235	BROAD-SPECTRUM BIO-INOCULUM FOR ENHANCED SOIL HEALTH AND FERTILITY  <i>B. D. Tissera, M. M. G. P. G. Mantilaka, H. M. L. I. Herath</i>
10.15- 10.30	ICSD_297	DEVELOPMENT OF A LATEX-STABILIZED COCO PEAT-COMPOST CARRIER MEDIUM FOR TRICHODERMA HARZIANUM BIOFUNGICIDE PRODUCTION  <i>C.A.E. Gayesha, K.V.V.S. Kudaligama, T.H.P.S Fernando, R.G.U. Jayalal, E.P.N.Udayakumara</i>

10.30 – 10.45	ICSD_024	<p>SUSTAINABLE UTILIZATION OF TEXTILE WASTE FLUFF FOR PRODUCTION OF BIODEGRADABLE PACKAGING MATERIAL: SYNTHESIS, CHARACTERIZATION, AND PERFORMANCE EVALUATION</p> <p><i>K.K. Jayashanka, R.B.R.M. Bandara, I.C. Jayasinghe, G.D.M. Yasara, A.P.L.S. Vaas, M.A.P.C. Piyathilaka</i></p>
Session Coordinator		<p>Ms. Wasana Chamurdi   +94 77 102 3781 Ms. Nayanathara   +94 76 731 1951</p>

<b>26<sup>th</sup> March 2026 / 08.30 – 10.30 hrs</b>		
<b>Room 04 - Session 01 (Online)</b>		
<b>Circular Economy and Waste-to-Value Innovations for Industry -II</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNALp4G3N.1">https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNALp4G3N.1</a>	
	Meeting ID: 840 4710 8893    Passcode: 731446	
<b>Session Chairs</b>		
Prof. Y.N.S. Wijewardana Uva Wellassa University of Sri Lanka	Dr. K. P. P. Udayagee University of Sri Jayawardenepura	Dr.Gayani Yasodara Liyanage University of Sri Jayawardenepura
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
8.30- 8.45	ICSD_128	Upcycling Brewer's spent yeast for flavor enhancement: A circular economy approach <i>A.E. Perera, M.A. Jayasinghe</i>
8.45- 9.00	ICSD_192	BIO-BASED RECYCLING SYSTEMS FOR PLASTIC WASTE REDUCTION: A REVIEW <i>K.A.P. Saumya, T.N. Dharmapriya</i>
9.00- 9.15	ICSD_292	APPS TO ACTION: HOW ENVIRONMENTAL AND DIGITAL LITERACY DRIVE CIRCULAR ECONOMIC BEHAVIOR <i>M. Hasan, G.S. Huda, M. Hasan, S.M. Islam, J.O. Rifat</i>
9.15- 09.30	ICSD_039	SYNTHETIC BIOLOGY DRIVEN BIODEGRADATION FOR WASTE MANAGEMENT AND ENVIRONMENTAL SUSTAINABILITY: A COMPREHENSIVE REVIEW <i>T.A.D.H. Amali, T.D.P. Waththegama</i>
9.30- 9.45	ICSD_070	EFFECT OF ANIMAL FAT ON ANAEROBIC CO-DIGESTION & PROCESS OPTIMIZATION <i>N.G.B.S.M. Nawagamuwa, P.G. Rathnasiri, S. Devaisy</i>
9.45- 10.00	ICSD_081	HEALTHCARE WASTE MANAGEMENT PRACTICES: A SYSTEMATIC REVIEW OF TRENDS AND CHALLENGES IN SAFE AND SUSTAINABLE MEDICAL WASTE HANDLING <i>H.G.S.C. Wickramasooriya, G.M.L.U. Gaspé</i>
10.00 - 10.15	ICSD_014	ADVANCING BIO-BASED WASTEWATER TREATMENT SYSTEMS FOR SUSTAINABLE RESOURCE RECOVERY: A SYSTEMATIC REVIEW <i>D.R. Lakprabha, G.Y. Jayasinghe</i>
Session Coordinators	Eng. Kavishka Herath   +94 76 400 3552 Ms. Arani Dematapitiya   +94 76 497 5256	

<b>26<sup>th</sup> March 2026 / 08.30 – 10.30 hrs</b>		
<b>Room 05 - Session 01 (Online)</b>		
<b>Climate-Smart Agriculture and Agri-Tech Innovations -II</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNAlp4G3N.1">https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNAlp4G3N.1</a>	
	Meeting ID: 840 4710 8893 Passcode: 731446	
<b>Session Chairs</b>		
Dr. Renuka Ariyawansa Sri Lanka Technological Campus	Dr. Aruna Kumara University of Colombo	Dr. Nishanka Jayasiri University of Peradeniya
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
8.30- 8.45	ICSD_020	AI-Driven Smart Infrared Drying System for Climate-Resilient Spice Processing <i>C. Praveenkhanth, J. Tharmaseelan</i>
8.45- 9.00	ICSD_204	A DEEP LEARNING-BASED EARLY DETECTION OF POTATO DISEASE <i>R.A.N.P. Ranasinghe, D.H.P. Jayakody</i>
9.00- 9.15	ICSD_032	ACOUSTIC FREQUENCY-BASED DETECTION OF RED COCONUT BEETLES INSIDE COCONUT TREES <i>M.A.M. Chelaka, H.M.P. Madushan, S. Jenarthani, A. Kunaraj, J. Mathavan</i>
9.15- 09.30	ICSD_287	HARDNESS REDUCTION IN WATER THROUGH RICE HUSK ASH ADSORPTION AND ELECTRODIALYSIS USING LOCALLY AVAILABLE MATERIALS. <i>M.T.H.K. Jayawardena, W.K.C.N. Dayanthi, N. Karunasena, R.N.I. Navindi</i>
9.45- 10.00	ICSD_361	DEVELOPMENT AND COMPARATIVE EVALUATION OF SOLID BIOFERTILIZERS FORMULATED FROM RICE BYPRODUCTS (RICE HUSK CHARCOAL AND RICE BRAN) FOR PLANT GROWTH ENHANCEMENT USING Rhizobium spp. <i>W.A.I.N. Wickramasinghe, D.M.H. Kavindya, K.M.W. Rajawatta, M.S. Jayathilaka, W.N.R.G.L. Nilaweera</i>
10.00 - 10.15	ICSD_362	IN VITRO PHARMACOLOGICAL POTENTIAL OF LEUCAS ZEYLANICA
10.15 - 10.30	ICSD_209	FARMER ADSORPTION OF CLIMATE SMART AGRICULTURAL PRACTICES IN PUSSELLAWA, SRI LANKA <i>H.D. Jayathilake, M.R.M. Fernando, N.G.K.L.C. Kumara</i>
10.30 - 10.45	ICSD_202	AWARENESS, BEHAVIOUR, AND BARRIERS TO SUSTAINABLE WASTE DISPOSAL AMONG UNIVERSITY STUDENTS IN SRI LANKA <i>D.L.G.N. Diwyanjana, D.M.U.L. Dissanayake, A.A.T. Perera, W.T.P.B. Anuruddha, E.W.M.C.D. Ekanayake, R.M.B.M. Rathnayake, O.D.I.P. Dissanayake, M.G.G. Awanthi</i>
Session Coordinators		Eng. Sasini Goonasekara   +94 71 761 0747 Ms. Savidya Sheshami   +94 75 952 1887

<b>26<sup>th</sup> March 2026 / 11.00 – 13.00 hrs</b>		
<b>Room 01 - Session 02 (Hybrid)</b>		
<b>Circular Economy and Waste-to-Value Innovations for Industry -I</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1">https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1</a>	
	Meeting ID: 833 5550 1299      Passcode: 060425	
<b>Session Chairs</b>		
Ass. Panu Buranajakorn Naresuan University	Dr. Prabath Priyankara University of Ruhuna	Prof. Nadeeka Kumari Rajarata University of Sri Lanka
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
11.00 - 11.15	ICSD_047	REMOVAL OF REACTIVE DYE FROM AQUEOUS SOLUTIONS USING BIOMASS-DERIVED BOTTOM ASH: A SUSTAINABLE APPROACH FOR TEXTILE WASTEWATER TREATMENT  <i>W.A.D.S. Wijekoon, D.M.K.G. Dissanayake, K.G.R.R. Jayaweera, H.A.L.L. Hettiarachchi, A.J. Keragala</i>
11.15 - 11.30	ICSD_049	ASSESSMENT OF ELEMENTAL ANALYSIS AND PUBLIC PERCEPTION STUDY FOR SUSTAINABLE REUSE OF WASTEWATER SLUDGE GENERATED FROM SELECTED FOOD INDUSTRIES THROUGH FIRED BRICKS  <i>D.H.U. Lakshani, G.Y. Jayasinghe, W.S.S. Jayamanna</i>
11.30 -11.45	ICSD_106	A DATA DRIVEN APPROACH TO SUSTAINABLE FOOD WASTE MANAGEMENT: UTILIZING A LOCALLY TAILORED IOT SYSTEM FOR FOOD WASTE TRACKING IN LARGE SCALE HOTELS IN SRI LANKA  <i>D.M.N. Jesika, G.M. Somaratne, N.S. Dharmarathne, D.W.N. Sandanika, T.P.G.K. Upathissa, M.A. Samarasekara</i>
11.45 - 12.00	ICSD_359	DEVELOPMENT OF A SUPPLEMENTARY GELLING AGENT FROM BANANA ( <i>Musa spp.</i> ) CORM FOR THE ALOE VERA IN-VITRO ROOTING  <i>K.A.M.T. Jayakody, S.D.M. Senevirathna, H.C.C. Silva, M.S. Jayathilaka, H. Rohanadheera</i>
12.00 - 12.15	ICSD_300	A REVIEW ON BIOCHAR-BASED FILTER MEDIA DERIVED FROM INVASIVE AQUATIC PLANTS FOR SUSTAINABLE BATIK WASTEWATER TREATMENT IN SRI LANKA  <i>W.M.S.D. Wijerathna, G.A.K. Dulshan, K.A.S.H. Wijayasenarathne, and R.M.A. Dilini</i>
12.15 - 12.30	ICSD_309	DESIGN AND DEVELOPMENT OF A DIGITAL PRODUCT PASSPORT TO COMMUNICATE PRODUCT SUSTAINABILITY AND CIRCULARITY OPTIONS  <i>M.K.V.M. Sandaruwani , A.D.S.N.R. Sagara , A.K Kulatunga , D. Senevirathna</i>

12.30 - 12.45	ICSD_201	<p>AN ASSESSMENT OF AWARENESS, BEHAVIOURS, AND BARRIERS RELATED TO SUSTAINABLE WATER CONSUMPTION IN SRI LANKAN STATE UNIVERSITIES</p> <p><i>K.G.R.R. Kobbegala, P.A.H. Somathilaka, Y.G.K. Dissanayake, U.B.C.S.B. Wijesiri, S.N. Dilrukshi, T.T Ranasinghe, O.D.I.P Dissanayake, M.G.G. Awanthi</i></p>
12.45 - 13.00	ICSD_222	<p>SUSTAINABLE TEXTILE COLORATION USING FUNGI-DERIVED PIGMENTS: PROCESS DEVELOPMENT AND APPLICATION INSIGHTS</p> <p><i>B.D. Tissera, S.S.A.D. Dilsara, A.V. Weththasinghe, H. M.L.I. Herath</i></p>
Session Coordinators		<p>Eng. Ravishka Iroshana   +94 775405870 Ms. Bhagya Perera   +94 740 503184</p>

<b>26<sup>th</sup> March 2026 / 11.00 – 13.00 hrs</b>		
<b>Room 02 - Session 02 (Hybrid)</b>		
<b>Urban Resilience, Climate Risk Modeling &amp; Disaster-Resilient Planning</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1">https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1</a>	
	Meeting ID: 833 5550 1299      Passcode: 060425	
<b>Session Chairs</b>		
Assoc. Prof Emlyn D. Q. Witt Tallinn University of Technology	Dr. M.G.G. Awanthi University of Ruhuna	Dr. Shavindree Nissanka Sri Lanka Institute of Information Technology
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
11.00 - 11.15	Key Paper ICSD_365	MOBILE ADAPTIVE INTELLIGENT MULTIMODAL MICRO-CREDENTIAL COURSES FOR URBAN RESILIENCE <i>A. Kaklauskas, J. Naimaviciene, S. Kildiene</i>
11.15 - 11.30	ICSD_356	INTEGRATING CITIZEN SCIENCE AND AI FOR SURFACE WATER QUALITY MONITORING: A SYSTEMATIC REVIEW OF APPROACHES, TECHNOLOGIES, AND COLLABORATION MECHANISMS <i>A.H. Weerakoon, T.A.N.T. Perera, G.Y. Jayasinghe</i>
11.30 - 11.45	ICSD_364	SPATIO-TEMPORAL ANALYSIS OF PM <sub>2.5</sub> IN SRI LANKA USING SATELLITE REMOTE SENSING DATA <i>S.K. Dharmasiri, H.A.C. Priyankara, G.Y. Jayasinghe</i>
11.45 - 12.00	ICSD_368	A COMPREHENSIVE REVIEW OF THE MANGROVE ECOSYSTEMS IN CLIMATE CHANGE ADAPTATION AND DISASTER RISK REDUCTION <i>T.A.D.W. Karunarathna, M.D.S. Samaraweera</i>
12.00 - 12.15	ICSD_363	INTERACTIONS BETWEEN RAINFALL VARIABILITY, LAND-USE CHANGE, AND TERRAIN CHARACTERISTICS IN CONTROLLING LANDSLIDE OCCURRENCE IN TROPICAL MOUNTAINOUS REGIONS: A SYSTEMATIC REVIEW <i>V. Nirthani, C.S. Bandara, G.Y. Jayasinghe</i>
12.15 - 12.30	ICSD_016	DEVELOPMENT OF AN ENVIRONMENTAL RADIATION MONITORING, VISUALIZATION, AND PREDICTION SYSTEM USING GPTRACKING AND GIS-BASED INTERPOLATION <i>O.D.G. Arachchi, P. Mahakumara, I.M.K. Fernando</i>
12.30 - 12.45	ICSD_249	ASSESSING THE ROLE OF BLUE CARBON ECOSYSTEMS IN PROTECTING COASTAL AGRICULTURAL LANDS FROM FLOODING AND SEA-LEVEL RISE: A SYSTEMATIC REVIEW <i>D.M.S.B. Dunukara, K.B.D.N. Sirikumara, W.G.M. Randika, G.Y. Jayasinghe</i>
12.45 - 13.00	ICSD_369	NUMERICAL INVESTIGATION OF REINFORCED CONCRETE SLABS STRENGTHENED WITH UHPFRC OVERLAYS CONSIDERING INTERFACE BOND BEHAVIOUR <i>Kalpa Gamage, Isuru Abeykoon, Sahan Bandara</i>

13.00 - 13.15	ICSD_242	COMPARATIVE ANALYSIS OF SOIL-BASED AND CEMENT BASED MATERIALS ON THERMAL COMFORT AND COOLING ENERGY DEMAND IN LOW RISE BUILDING <i>P.K.C.L. Thilakarathna, T.N. Fernando</i>
Session Coordinator		Eng. Sankalya Lunuwila +94 77 738 8441

<b>26<sup>th</sup> March 2026 / 11.00 – 13.00 hrs</b>		
<b>Room 03 - Session 02 (Hybrid)</b>		
<b>Veterinary and Animal Sciences for One Health and Sustainability</b>		
aJoin Zoom Meeting	<a href="https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1">https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1</a>	
	Meeting ID: 833 5550 1299      Passcode: 060425	
<b>Session Chairs</b>		
Prof. Ashoka Dangolla University of Peradeniya	Dr. H.K.J.P. Wikramasinghe Wayamba University of Sri Lanka	Dr. Lakshitha Fonseka University of Ruhuna
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
<b>Key lecture</b>		VETERINARY AND ANIMAL SCIENCES FOR ONE HEALTH AND SUSTAINABILITY  Prof. Ashoka dangolla
11.30 - 11.45	ICSD_080	IMMUNOMODULATORY AND ANTI-CANCER PROPERTIES OF ALPINIA CALCARATA AND SOLANUM SURATTENSE IN RATS AND HUMAN LEUCOCYTES  <i>K.K.A. Kithmini, P.R. Sadeera, P.S.C. Ediriweera, M. Hettihewa</i>
11.45 - 12.00	ICSD_089	THE FORAGING AND SOCIAL DYNAMICS OF CROWS IN CHILAW: ANINSIGHT FOR URBAN CROW MANAGEMENT  <i>M.A.S.P. Dissanayake and V.A.K. Fernando</i>
12.00 -12.15	ICSD_114	FORMULATION OF CATTLE PELLETS FOR SUSTAINABLE DAIRY FARMING USING LOCALLY AVAILABLE MATERIAL IN JAFFNA DISTRICT  <i>S. Thushanthan, T. Sansiya, S. Piratheepan</i>
12.15 - 12.30	ICSD_189	INFLUENCE OF PASSIVE INSULATION MATERIALS ON HIVE MICROCLIMATE AND COLONY DEVELOPMENT IN APIS CERANA COLONIES  <i>Hanugi K, Jisna M, M.D.N.D. Perera, W.W Dhananjaya, H.K.P.P. Kariyawasam, R.U. Halwatura</i>
12.30 - 12.45	ICSD_357	THE DOMINANT ROLE OF HERD SIZE IN DETERMINING MILK YIELD ON DAIRY FARMS IN NORTHERN SRI LANKA.  <i>E. Hemanivashini, S. Piratheepan, T. Sansiya</i>
12.45 - 13.00	ICSD_360	EVALUATING FECAL PELLET-GROUP COUNT METHODS FOR ESTIMATING SPOTTED DEER (AXIS AXIS) DENSITY IN SUBURBAN LANDSCAPES: IMPLICATIONS FOR DISEASE MANAGEMENT  <i>P.M.S.R. Muhandiram, I.V.D. Hemachandra, S. Liyanagama, P.N. Dayawansa</i>
Session Coordinator	Ms. Wasana Chamurdi  +94 77 102 3781 Ms. Nayanathara  +94 76 731 1951	

<b>26<sup>th</sup> March 2026 / 11.00 – 13.00 hrs</b>		
<b>Room 04 - Session 02 (Online)</b>		
<b>Food Processing, Product Development, and Food Technology Innovations -II</b>		
<b>Join Zoom Meeting</b>	<a href="https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNAlp4G3N.1">https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNAlp4G3N.1</a>	
	Meeting ID: 840 4710 8893      Passcode: 731446	
<b>Session Chairs</b>		
Dr. Amali Alahakoon University of Sri Jayawardenepura	Dr. W.M.N.M. Wijesundara Uva Wellassa University of Sri Lanka	Dr. Gayan Chandrajith Uva Wellassa University of Sri Lanka
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
11.00 -11.15	ICSD_174	DEVELOPMENT OF RAW MANGO ( <i>Mangifera indica</i> ) CHEWY CANDY FILLED WITH CHILI ( <i>Capsicum annum</i> ) AND SALT LIQUID FILLING  <i>W.A.S.Subodhani, J.W.A.Sajiwanie</i>
11.15 - 11.30	ICSD_082	SUSTAINABLE FOOD SYSTEMS: INTEGRATING FOOD SCIENCE, NUTRITION, AND ENVIRONMENTAL STEWARDSHIP FOR A RESILIENT FUTURE  <i>J. Sansitha</i>
11.30 - 11.45	ICSD_193	A BEHAVIORAL STUDY OF STUDENT FOOD WASTE IN STATE UNIVERSITY CAFETERIAS IN SRI LANKA.  <i>A.G.A.N. Nethmi, D.M.T.L. Ranaweera, D.N. Siyambalapitiya, M.H.S.K. Mendis, R.A.H.M.P.N. Rajakaruna, R.M.B.M. Rathnayaka, O.D.I.P. Dissanayake, M.G.G. Awanthi</i>
11.45 - 12.00	ICSD_096	EFFECT OF CINNAMON BARK AND CLOVE BUD ESSENTIAL OILS INCORPORATED INTO A CHITOSAN-BASED EDIBLE COATING ON IMPROVING QUALITY INDICES AND EXTENDING THE SHELF LIFE OF REFRIGERATED YELLOWFIN TUNA ( <i>THUNNUS ALBACARES</i> ) STEAKS  <i>H.R.P.C. Bandara Hewa, C.V.L. Jayasinghe</i>
12.00 - 12.15	ICSD_119	IDENTIFICATION OF ENTRY BARRIERS AND LIMITATIONS OF THE ORGANIC CERTIFICATIONS PROCESS IN SRI LANKA  <i>R.R.D.H. Erandika, B.E.A.U. Bulathgama , S.L. Ranamukhaarachchi , and D.V.M. Perera</i>
12.15 - 12.30	ICSD_271	HIGH TEA AND CONSUMER PERCEPTIONS: AN INNOVATIVE MARKETING STRATEGY TOWARDS SUSTAINABILITY  <i>M.R.S. Perera, W.G.L.K. Amarathunga, K.K.L.T. Premathilaka, R.M.S.A. Rathnayaka, M.G.C. Maheesha, N.G.S. Nethsarani, I.D.S.R. Sudarshani, P.G.G.A.C. Dharmarathna, E.M.S.H. Sooriyabandara, A.E. Chathushke, U.L.U. Perera, S.D. Ganewaththa, S.P. Abegunawardhana, D.A.M.De Silva</i>

12.30 - 12.45	ICSD_311	EVALUATING THE ENVIRONMENTAL IMPACT OF TUNA LOIN EXPORT THROUGH LIFE CYCLE ANALYSIS: A CASE STUDY OF A LARGE-SCALE MANUFACTURING PROCESS IN SRI LANKA  <i>W.N. Harshani, C.P. Rupasinghe, M.G.G. Awanthi, P.D. Kahandage</i>
12.45 - 13.00	ICSD_026	DEVELOPMENT OF NATURAL EDIBLE COATING FROM CEYLON OLIVE ( <i>Elaeocarpus serratus</i> ) LEAVES, ALOE VERA, TURMERIC AND CINNAMON LEAVES TO CONTROL SOFT ROT IN TOMATOES  <i>Y.M.G.K.Y. Kumari, W.S.M. Senevirathne</i>
Session Coordinators		Eng. Kavishka Herath   +94 76 400 3552 Ms. Arani Dematapitiya   +94 76 497 5256

<b>26<sup>th</sup> March 2026 / 11.00 – 13.00 hrs</b>		
<b>Room 05 - Session 02 (Online)</b>		
<b>Digital Transformation, Data Analytics, and Emerging Technologies - II</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNALp4G3N.1">https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNALp4G3N.1</a>	
	Meeting ID: 840 4710 8893    Passcode: 731446	
<b>Session Chairs</b>		
Dr. Chamara Liyanage University of Sri Jayawardenepura	Dr.W.A. Suresha Nilmini Perera The Open University of Sri Lanka	Dr. A.A.M. Matheeh University of Sri Jayawardenepura
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
11.00 -11.15	ICSD_178	A COMPARATIVE ASSESSMENT OF DRIVERS & BARRIERS INFLUENCING BLOCKCHAIN ADOPTION IN SRI LANKA'S LOGISTICS SECTOR  <i>MT Wickramasinghe, CA Kavirathna</i>
11.15 - 11.30	ICSD_205	IMPACT OF AI BASED PROCESS AUTOMATION (RPA) ON PERCEIVED EMPLOYEE JOB SATISFACTION  <i>R.A.N.P. Ranasinghe, C.N. Wickramasinghe</i>
11.30 - 11.45	ICSD_207	DEVELOPMENT AND EVALUATION OF "PM PRO": A LIGHTWEIGHT WEB- BASED PROJECT MANAGEMENT SYSTEM FOR CONSTRUCTION SMES  <i>R. Sulaxshan, S. Sarukan, N. Sathurjan, R. Thulashika</i>
11.45 - 12.00	ICSD_230	MACHINE LEARNING APPROACHES FOR MODELING THE DYNAMIC EFFECTS OF ECONOMIC INDICATORS ON GROSS DOMESTIC PRODUCT  <i>H.N Munasinghe, K.A.IA Kodithuwakku</i>
12.00 - 12.15	ICSD_298	DIGITAL LANDSCAPE IN PUBLIC SERVICE IN SRI LANKA: SERVICE PROVIDER AND RECIPIENT PERSPECTIVES  <i>.IU. Yakandawala</i>
12.15 - 12.30	ICSD_306	MAPPING THE KNOWLEDGE LANDSCAPE OF BLOCKCHAIN IN SUPPLY CHAINS: BIBLIOMETRIC INSIGHTS AND EMERGING TRENDS  <i>DMP Sewwandi, KPL Chandralal, WG Pamarathne</i>
12.30 - 12.45	ICSD_247	PRECISION-ORIENTED PROACTIVE DEADLOCK DETECTION IN DISTRIBUTED SYSTEMS USING MARKOV CHAINS AND CONSENSUS PROTOCOLS  <i>WATGR Wijethunga, BTGS Kumara, WDD Lakshan, DR Walikanna</i>
12.45 - 13.00	ICSD_243	CONSENSUS-BASED COORDINATION FOR PROACTIVE DEADLOCK DETECTION IN SUSTAINABLE DISTRIBUTED QUEUEING SYSTEMS  <i>W.A.T.G.R. Wijethunga, B.T.G.S. Kumara, W.D.D. Lakshan</i>
Session Coordinator	Eng. Sasini Goonasekara   +94 71 761 0747 Ms. Savidya Sheshami   +94 75 952 1887	

26 <sup>th</sup> March 2026 / 14.00 – 16.00 hrs		
Room 01 - Session 03 (Hybrid)		
Environmental Technologies, Resource Management, and Sustainable Engineering Solutions		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1">https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1</a>	
	Meeting ID: 833 5550 1299    Passcode: 060425	
Session Chairs		
Prof. Rohan Dassanayake University of Sri Jayawardenepura	Dr. (Eng). N. Arosha Hemali University of Sri Jayawardenepura	Dr. Tharindu Ritigala DOSCON Lanka (Pvt) Ltd
Time	Paper ID	Title
14.00 - 14.15	ICSD_102	E-SHIELD – THE SMART LOW-FREQUENCY ELEPHANT REPELLENT FOR RAILWAYS  <i>M. Tharsayani, R. Thisakaran</i>
14.15 - 14.30	ICSD_126	DEVELOPING A CODE OF PRACTICE IN USING FLAMMABLE/TOXIC REFRIGERANTS IN HVAC/R SECTOR IN SRI LANKA  <i>J.B. Senarath, C.H. Kannangara, W.P.D. Fernando</i>
14.30 - 14.45	ICSD_354	INTEGRATING DIGITAL TWIN AND MACHINE LEARNING IN WATER RESOURCE MANAGEMENT: A SYSTEMATIC REVIEW OF METHODS AND APPLICATIONS FOR FLOOD FORECASTING  <i>D.S. Wickramasinghe</i>
14.45 - 15.00	ICSD_210	Study of the Chemical Aspects of Accelerated Rock Weathering at the Vicinity of Samanalawewa Reservoir  <i>A.H.M. Amarakoon, A.T. Cooray, S. Diyabalanage</i>
15.00 - 15.15	ICSD_272	A NOVEL AVIAN-INSPIRED DOUBLE WISHBONE ELECTROSTATIC PARADIGM FOR ENHANCED FOG HARVESTING AND SUSTAINABLE WATER RECOVERY  <i>H.M.V.V.W. Wickrama, R.W.N.W.M.R.K.D.B. Galagoda, V.S. Jayaweera, B.M.G. Oshada, R.P. Pallegama, L.N. Wickramaratna</i>
15.15 - 15.30	ICSD_273	SPATIOTEMPORAL ANALYSIS OF FOREST COVER LOSS IN ANURADHAPURA DISTRICT (2000-2024) USING GOOGLE EARTH ENGINE  <i>S.H. Senevirathne, C.H. Wijesiri, T. Keerthi</i>
15.30 - 15.45	ICSD_291	Comparative Performance and Sustainability of Microplastic Removal Technologies in Aquatic Systems: A PRISMA-Based Systematic Review  <i>D.M.U.L. Dissanayake, W.G.M. Randika, G.Y. Jayasinghe</i>

15.45 - 16.00	ICSD_157	A COMPREHENSIVE REVIEW ON RECENT ADVANCES IN FLEXIBLE SELF-POWERED ENERGY SYSTEMS: INTEGRATION STRATEGIES OF TRIBOELECTRIC NANOGENERATORS WITH SUPERCAPACITORS FOR NEXT-GENERATION WEARABLE ELECTRONICS  <i>J. M. S. M. Jayamaha, M. S. V. Madampage, H. Weerasinghe</i>
Session Coordinators		Eng. Ravishka Iroshana   +94 775405870 Ms. Bhagya Perera   +94 740 503184

<b>26<sup>th</sup> March 2026 / 14.00 – 16.00 hrs</b>		
<b>Room 02 - Session 03 (Hybrid)</b>		
<b>Sustainable Entrepreneurship, Tourism, and Innovation for Economic Development - I</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1">https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1</a>	
	Meeting ID: 833 5550 1299 Passcode: 060425	
<b>Session Chairs</b>		
Senior Prof. R.M.U.S.K. Rathnayaka Sabaragamuwa University of Sri Lanka	Mr. Janaka Wijesekara Institute of Environmental Professionals Sri Lanka	Ms. Udani Gunawardana University of Ruhuna
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
14.00 - 14.15	ICSD_282	PRIORITIZING SERVICE QUALITY FACTORS FOR DESTINATION LOYALTY IN ELLA, SRI LANKA  <i>S. Fernando, R. Hennayaka, I. Mahakalnda</i>
14.15 - 14.30	ICSD_284	SUSTAINABLE SUPPLY CHAINS IN COTTAGE INDUSTRIES: PRACTICES, CHALLENGES, AND AREAS FOR FUTURE RESEARCH  <i>P.B.S.D. Ariyathilake, S. Samarawickrama, I. Mahakalanda</i>
14.30 - 14.45	ICSD_010	ASSESSING THE POTENTIAL FOR EMISSION REDUCTION AND ENERGY OPTIMIZATION IN THE DESICCATED COCONUT MANUFACTURING INDUSTRY OF SRI LANKA  <i>A.P.J.B. Alexander, J. Vidanagama, E. Lokupitiya</i>
14.45 - 15.00	ICSD_237	DEVELOPMENT OF BIODEGRADABLE SANITARY NAPKIN FROM NATURAL FIBERS  <i>K.H. Damshika, K.W.M. Rajawatta, M.S. Jayaweera</i>
15.00 - 15.15	ICSD_134	EVALUATING THE EFFECTIVENESS OF TEA CULTURE TOURISM ON LIVELIHOOD DEVELOPMENT OF LOCAL COMMUNITY: A CASE STUDY OF AMBA ESTATE  <i>R.D.U. Nayanamali, M.K.S.L.D. Amarathunga, D.K.N.T. Senadheera , K.A.D.P. Kumarasingha</i>
15.15 - 15.30	ICSD_307	DIGITAL TECHNOLOGIES AND GREEN ENTREPRENEURSHIP: EVIDENCE ON THE ROLE OF ARTIFICIAL INTELLIGENCE, BLOCKCHAIN, AND IOT IN SME SUSTAINABILITY IN SRI LANKA  <i>R.Sivashanker</i>
15.30 - 15.45	ICSD_145	BRIDGING COMMUNITIES AND INDUSTRY FOR SAFE WATER ACCESS: EVALUATING HOUSEHOLD SHIFTS FROM TRADITIONAL TO REVERSE OSMOSIS AND BOTTLED WATER IN RESPONSE TO CHRONIC KIDNEY DISEASE CONCERNS WITHIN KURUNEGALA DISTRICT, SRI LANKA  <i>U.R.Herath, W.A.S. Sathsara</i>
Session Coordinator	Eng. Sankalya Lunuwila +94 77 738 8441	

<b>26<sup>th</sup> March 2026 / 14.00 – 16.00 hrs</b>		
<b>Room 03 - Session 03 (Hybrid)</b>		
<b>Sustainable Infrastructure, Green Construction, and Environmental Management</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1">https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1</a>	
	Meeting ID: 833 5550 1299 Passcode: 060425	
<b>Session Chairs</b>		
Dr. Isuru Wijayawardane The Open University of Sri Lanka	Dr. Pubudu Kumarage Rajarata University of Sri Lanka	Dr. Nilanthi Fernando General Sir John Kotelawala Defence University
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
14.00 - 14.15	ICSD_094	ASSESSMENT OF FTIR-TGA FOR SCREENING-LEVEL CHARACTERIZATION OF AIRBORNE PARTICULATE MATTER USING ACTIVE AND PASSIVE SAMPLING  <i>H.M.P. Wijethunga, T.R. Widyarathne, N.A. Kannangara, W.M.S.G. Wijekoon, N.M. Adassooriya, C. Tollemache, M.A. Elangasinghe</i>
14.15 - 14.30	ICSD_113	ENGINEERING APPROACHES FOR A CLIMATE-RESILIENT WATER SUPPLY SYSTEM FOR COLOMBO: INTEGRATING RISK-BASED MANAGEMENT AND INNOVATIVE TREATMENT  <i>S. Satheskumar, S K L S. Rupasinghe, M. Sahathevan</i>
14.30 - 14.45	ICSD_198	AN ASSESSMENT OF AWARENESS, BEHAVIOUR, AND DETERMINANTS OF SUSTAINABLE ENERGY CONSUMPTION AMONG SRI LANKAN UNIVERSITIES  <i>B.K.G.M.U. Suraweera, J.A.N.S.D. Jayasinghe, S. Kamgika, N.G.G.S. Sewwandi, R.B.K.P. Wijayarathna, T.T. Ranasinghe, O.D.I.P. Dissanayake, M.G.G. Awanthi</i>
14.45 - 15.00	ICSD_241	DEVELOPMENT AND PERFORMANCE EVALUATION OF POLYMER CEMENT HYBRID BRICKS INCORPORATING POLYMERIC WASTE FOR SUSTAINABLE CONSTRUCTION  <i>A.A.M. Yasir, A.N. Liyanage, W.A.H.L. Jayaweera, A.L. Maduwanthi, H.M.I.K. Herath</i>
15.00 - 15.15	ICSD_216	AI-DRIVEN FIRE BEHAVIOR ANALYSIS AND SAFETY OPTIMIZATION IN LIGHT STEEL FRAME WALLS FOR SUSTAINABLE BUILDING INFRASTRUCTURE  <i>Kajeenthana Kamalaseelan, Keerthana Poologanathan</i>
15.15 - 15.30	ICSD_109	"IDENTIFICATION OF CULTURABLE BACTERIAL SPECIES INVOLVED IN WEATHERING OF ROCKS AT SAMANALA WEWA RESERVOIR DAM, SRI LANKA  <i>D. Madanayake, Jayani J. Wewalwela, S R. Gunatilake, C Jayawardena</i>

15.30 - 15.45	ICSD_310	SUSTAINABLE NATURAL FIBER ROOF INSULATION: DESIGN AND PERFORMANCE EVALUATION OF COIR FIBER-BASED COMPOSITE  <i>W. S. A. Sudarshana , L. K. T. Simal , R. Gallage , P. D. C. Kumara</i>
Session Coordinators		Ms. Wasana Chamurdi   +94 77 102 3781 Ms. Nayanathara   +94 76 731 1951

26 <sup>th</sup> March 2026 / 14.00 – 16.00 hrs		
Room 04 - Session 03 (Online)		
Sustainable Entrepreneurship, Tourism, and Innovation for Economic Development -II		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNALp4G3N.1">https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNALp4G3N.1</a>	
	Meeting ID: 840 4710 8893    Passcode: 731446	
Session Chairs		
Dr. Kumudu Priyadarshani Kopiyawattage University of Peradeniya	Dr. H.U.Erangi Imasha R&D Center, gapHQ	Mr. Kapila Premarathna Rajarata University of Sri Lanka
Time	Paper ID	Title
14.00 - 14.15	ICSD_139	TAKING DRY FISH TO THE NEXT LEVEL: PERSPECTIVES OF SOCIAL ECOLOGICAL SYSTEMS FRAMEWORK ON CO-CREATION OF KNOWLEDGE  <i>D.A.M. De Silva, Nikita Gopal, M.M.S.C. Senevirathne, J. Bindu, N.H.A.Vikumsara, I.M. Wickramarathna, Abhishek K.H and Ankaha K.S</i>
14.15 - 14.30	ICSD_125	EVALUATING THE CARBON FOOTPRINT OF MEDIUM-SCALE GARMENT FACTORIES IN SRI LANKA AND THE POTENTIAL OF SOLAR ENERGY FOR EMISSION REDUCTION  <i>A.M.R.K. Amarasooriya, K.A.S.H. Wijasenarathne, R.M.A. Dilini, R.T.K. Ariyawansha</i>
14.30 - 14.45	ICSD_302	DIGITAL ENTREPRENEURIAL INTENTION AMONG UNDERGRADUATES IN SRI LANKA: ROLE OF ENTREPRENEURIAL ALERTNESS  <i>P.J. N. John, N. Pratheesh</i>
14.45 - 15.00	ICSD_262	A SEMI-AUTOMATED BAMBOO STRAWS MANUFACTURING MACHINE AS A SUSTAINABLE ALTERNATIVE TO PLASTIC DRINKING STRAWS  <i>P.T.M. Kariyawasam, S.T. Kalpage, D.M.D.T. Priyankara, S.J. Gamage, P.G.C.R. Gallage, L.K.T. Srimal</i>
15.00 - 15.15	ICSD_296	LIFE CYCLE-BASED ENVIRONMENTAL ASSESSMENT OF RAW RICE MILLING IN HAMBANTOTA: IMPLICATIONS FOR SUSTAINABLE RICE PROCESSING  <i>R.K.D. WASANA, K.A.S.H. WIJAYASENARATHNE, R.M.A. DILINI , R.T.K. ARIYAWANSHA</i>
15.15 - 15.30	ICSD_063	DEVELOPMENT OF ECO-FRIENDLY INTERLOCK BRICKS FROM TEXTILE INDUSTRY SLUDGE AND FLY ASH: PRODUCTION, CHARACTERIZATION, AND APPLICATION FEASIBILITY  <i>K.K. Jayashanka, R.B.R.M. Bandara, I.C. Jayasinghe, G.D.M. Yasara,A.P.L.S. Vaas, M.A.P.C. Piyathilaka</i>
Session Coordinators		Eng. Kavishka Herath   +94 76 400 3552 Ms. Arani Dematapitiya   +94 76 497 5256

<b>27<sup>th</sup> March 2026 / 14.00 – 16.00 hrs</b>		
<b>Room 06 - Session 01 (Hybrid)</b>		
<b>Strengthening University-Industry Collaborations for Sustainable Development</b>		
Join Zoom Meeting	<a href="https://us05web.zoom.us/j/87469851097?pwd=9SFzhx1oBhIo0CjIAQs0YQBIBcSQ9o.1">https://us05web.zoom.us/j/87469851097?pwd=9SFzhx1oBhIo0CjIAQs0YQBIBcSQ9o.1</a>	
	Meeting ID: 874 6985 1097    Passcode: trA6xZ	
<b>Session Chairs</b>		
Dr. S.M.Chinthaka Bandara Karalliyadda Rajarata University of Sri Lanka		Dr PGI Dias Sabaragamuwa University of Sri Lanka
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
14.00 - 14.15	ICSD_305 KEY PAPER	THE RISE AND FALL OF THE RUHUNA BUSINESS INCUBATOR: POLICY LESSONS FOR FUTURE UNIVERSITY INCUBATORS  <i>K.D.N. Weerasinghe, R. Senaratne</i>
14.15 - 14.30	ICSD_098	A UNIVERSITY-INDUSTRY PARTNERSHIP FOR SUSTAINABLE HEALTH: DEVELOPING AND VALIDATING A NOVEL HERBAL CANDY FOR LIVER PROTECTION IN AT-RISK ADULTS  G.J. Jayawardhan, G.M. Somaratne, A. Chandrasekara, M.A.J.N. Wijayarathna
14.30 - 14.45	ICSD_148	AWARENESS AND SUSTAINABLE BEHAVIOR ON MICROPLASTIC POLLUTION AMONG UNDERGRADUATES IN COLOMBO DISTRICT, SRI LANKA  <i>T.A.D.K.A. Thalagala and W.A.S. Sathsara</i>
14.45 - 15.00	ICSD_037	ASSESSING CARBON NEUTRALITY OF THE UNIVERSITY OF VAVUNIYA THROUGH SCOPE 1 AND 2 EMISSION ANALYSIS TO ENHANCE CLIMATE-RESILIENT HIGHER EDUCATION IN SRI LANKA  <i>Aneega Atham, Sharaniya Vijitharan</i>
15.00 - 15.15	ICSD_120	HYBRID APPROACH FOR AUTOMATED UNIVERSITY TIMETABLING USING GRAPH COLORING AND LINEAR PROGRAMMING MATHEMATICAL MODEL BASED RESOURCE OPTIMIZATION  <i>S.D.D.S.Gnarathne, P.G.P.Kumara</i>
15.15 - 15.30	ICSD_075	IMPROVING SUSTAINABILITY IN SUPPLY CHAIN INNOVATION THROUGH UNIVERSITY-INDUSTRY COLLABORATIONS: A SYSTEMATIC LITERATURE REVIEW  <i>J.I. Sudusinghe, S.H. Eduksooriya</i>
15.30 - 15.45	ICSD_183	DEVELOPING A SUSTAINABLE FRAMEWORK FOR UNIVERSITY-INDUSTRY TECHNOPRENEURIAL COLLABORATION: EVIDENCE FROM SRI LANKAN UNIVERSITIES  <i>M.L.D.T. Saubhagya, G.Y. Jayasinghe, K.M.C. Tharupath</i>

15.45 - 16.00	ICSD_233	BLOCKCHAIN-ENABLED UNIVERSITY-INDUSTRY COLLABORATION FOR SUSTAINABLE FOOD WASTE MANAGEMENT IN DEVELOPING REGIONS: A SMART PLATFORM FRAMEWORK AND IMPLEMENTATION MODEL FOR SAARC UNIVERSITY CAFETERIAS  <i>W. D. J. I. Senarathna, T. A. H. Dilpriya</i>
16.00 - 16.15	ICSD_246	MACHINE LEARNING-DRIVEN BEHAVIOURAL SIGNAL ANALYSIS FOR UNDERSTANDING LEARNER INTERACTION IN EDUCATION SYSTEMS.  <i>T.D.Rubasinghe, I.J.Rubasinghe, K.M.D.R.P.M Jayathilake, S.R.D.Wickramaarachchi</i>
Session Coordinator		Ms. Sadeepa Dinali 071 649 6485

<b>27<sup>th</sup> March 2026 / 08.30 – 10.30 hrs</b>		
<b>Room 01 - Session 04 (Hybrid)</b>		
<b>Food Processing, Product Development, and Food Technology Innovations –I</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1">https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1</a>	
	Meeting ID: 833 5550 1299 Passcode: 060425	
<b>Session Chairs</b>		
Dr. Rumesh Liyanage University of Sri Jayawardenepura	Ms. A.P. Hashini Abeysuriya University of Ruhuna	Dr. J.A.E.C Jayawardena University of Vocational Technology
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
8.30- 8.45	ICSD_083	COMPARATIVE EVALUATION OF PROCESSING EFFECTS ON ANTIOXIDANT ACTIVITY AND GRAIN QUALITY IN TRADITIONAL AND IMPROVED RICE ( <i>Oryza sativa</i> ) VARIETIES IN SRI LANKA  <i>R.S.K. Wickramasinghe, B.M.K. Senarathna, D.A.C.K. Dalukdeniya</i>
8.45- 9.00	ICSD_160	PROTEIN EXTRACTION FROM SRI LANKAN DUCKWEED (LEMNA MINOR) AND CHARACTERIZATION OF PHYSICO-FUNCTIONAL PROPERTIES FOR APPLICATION IN NOVEL FOOD PRODUCT  <i>D.M.P.A. Disanayaka, C.V.L. Jayasinghe, J. Yang, H. Hongwei</i>
9.00- 9.15	ICSD_162	IMPLEMENTATION OF GERMINATION-ASSISTED KOJI BIOPROCESSING TO PRODUCE A FUNCTIONAL UMAMI-RICH ADDITIVE FROM THE SRI LANKAN COWPEA: WARUNI  <i>Vigna unguiculata L. WALP) (A.M.C.K. Abeykoon, V.Molligoda, C.V.L. Jayasinghe</i>
9.15- 09.30	ICSD_191	DEVELOPMENT AND QUALITY DETERMINATION OF YOUNG JACKFRUIT ( <i>ARTOCARPUS HETEROPHYLLUS LAM.</i> ) BASED MICROBIALY FERMENTED FOOD PRODUCTS
9.30- 9.45	ICSD_194	DETERMINATION OF FACTORS CONTRIBUTING TO TITRATABLE ACIDITY IN COCONUT MILK EXTRACTION IN INDUSTRIAL SCALE  <i>R.J.A.S.R. Thilakarathna, T.G.G. Uthpala</i>
9.45- 10.00	ICSD_002	EMPOWERING PALM OIL PROCESSING THROUGH MICROWAVE AND ULTRASOUND PRETREATMENTS  <i>A.K. Kaluarachchi, R.A.U.J. Marapana</i>
10.00 - 10.15	ICSD_123	EXPLORING THE PREFERENCES AND DETERMINANTS OF ICE CREAM CONSUMPTION AMONG UNDERGRADUATES: A STUDY CONDUCTED IN SRI LANKAN UNIVERSITIES  <i>D.N.N. Jayasinghe, R.M.K.D. Rathnayake, K.W.R. Himara, W.K.E. Kalhara, D.N. Madushanka</i>

		ACCELERATED SHELF STABILITY MODELLING OF CINNAMON AQUEOUS EXTRACT: POTASSIUM SORBATE AS A DUAL STABILIZER OF MICROBIAL SAFETY AND FUNCTIONAL QUALITY.
10.15 - 10.30	ICSD_118	<i>G.T. Lelwala, P.De A. Abeyesundara</i>
10.30 - 10.45	ICSD_117	DEVELOPMENT OF AN ANTIOXIDANT-RICH FUNCTIONAL BEVERAGE USING SRI GEMUNU AND SRI WIJAYA CINNAMON CULTIVARS: OPTIMIZATION OF EXTRACTION PARAMETERS, SENSORY QUALITY, AND MICROBIAL SAFETY.  <i>G.T. Lelwala, P.De A. Abeyesundara</i>
Session Coordinators		Eng. Ravishka Iroshana   +94 775405870 Ms. Bhagya Perera   +94 740 503184

27 <sup>th</sup> March 2026 / 08.30 – 10.30 hrs		
Room 02 - Session 04 (Hybrid)		
Food Preservation, Packaging, and Smart Food Quality Technologies		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1">https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1</a>	
	Meeting ID: 833 5550 1299 Passcode: 060425	
Session Chairs		
Dr. Nevil Amunugoda Industrial Technology Institute	Dr. N. E. Wedamulla Uva Wellassa University	Mr. Buddhika Siriwardena University of Colombo
Time	Paper ID	Title
8.30- 8.45	ICSD_008	INFLUENCE OF STORAGE TEMPERATURE AND TIME DURATION ON CHLOROPHYLL DEGRADATION DYNAMICS IN GOTU KOLA ( <i>Centella asiatica</i> ) <i>P.K.T.M. Dharmasena, R.M.K.D. Rathnayake, W.H.P. Sandamali, W.M.A.U.K.M. Wijesekara, P.K. Dissanayake</i>
8.45- 9.00	ICSD_031	IDENTIFICATION AND CHARACTERIZATION OF MAJOR VOLATILE COMPOUNDS IN SPIRITS COMMONLY AVAILABLE IN SRI LANKA <i>C.R. Vithanage, D.H.P.M. Gunathilaka, A.M.M.U. Adikari</i>
9.00- 9.15	ICSD_095	EVALUATING THE SUITABILITY OF CELLULOSE NANOCRYSTALS EXTRACTED FROM CORN HUSK TO IMPROVE THE BARRIER PROPERTIES OF SUSTAINABLE PACKAGING <i>R.Y. Amarasinghe, S.A.D.Y. Ukwatta, H.U.K.D.Z. Rajapakse</i>
9.15- 09.30	ICSD_165	DEVELOPMENT OF A pH-RESPONSIVE SMART LABEL USING JACKFRUIT ( <i>Artocarpus heterophyllus</i> ) SEED STARCH AND BEETROOT ( <i>Beta vulgaris</i> ) EXTRACT <i>W.G.H.I. Adikari, K.G.P.N. Bandara</i>
9.30- 9.45	ICSD_221	INTERGRATION OF PSYCHROMETRIC AND IOT-ASSISTED HEAT PUMP DRYING FOR DEEP-BED DRYING OF REFUSED TEA <i>S.M.J.R. Sangakkara, C.A. Kumarage, K.S.P. Amaratunga, H.K.P.P. Kariyawasa</i>
9.45- 10.00	ICSD_277	COMPARATIVE STUDY OF THERMAL, VISUAL, AND GRAYSCALE FUSION IN DEEP CNNs: OPTIMIZING ACCURACY AND PARAMETER COUNT FOR FRUIT RIPENESS DETECTION <i>B.R.T. Fernando, R.A. Dihan and J.M.J.K. Jayasinghe</i>
10.00 - 10.15	ICSD_151	1-METHYLCYCLOPROPENE (1-MCP) AS AN ETHYLENE ACTION INHIBITOR: APPLICATIONS IN POSTHARVEST MANAGEMENT OF FRUITS AND VEGETABLES, LIMITATION AND FUTURE DIRECTIONS; A REVIEW <i>B.P.S. Rajapakshe, R.A. Jayasinghe, A.H.L.R. Nilmini, V. Karunaratne, R.N. Wijesena, G. Priyadarshana</i>

10.15 - 10.30	ICSD_275	A Non-Membrane Separation Strategy for Microplastics via Atomization and Dielectric-Based Electrostatic Deflection <i>H.M.V.V.W. Wickrama, L.H.D.N. Fernando, T.P.G.T.A. Palliyaguru, K.K.G.T. Gimhani, V. S. Jayaweera, C.S. Kalpage</i>
Session Coordinator		Eng. Sankalya Lunuwila +94 77 738 8441

<b>27<sup>th</sup> March 2026 / 08.30 – 10.30 hrs</b>		
<b>Room 03 - Session 04 (Hybrid)</b>		
<b>Artificial Intelligence, Machine Learning, and Intelligent Systems</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1">https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1</a>	
	Meeting ID: 833 5550 1299 Passcode: 060425	
<b>Session Chairs</b>		
Dr. Udaya Wijenayake University of Sri Jayewardenepura	Dr. Chathurika Sewwandi Silva University of Colombo	Mr. Peshan Sampath University of Sri Jayewardenepura
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
8.30- 8.45	ICSD_052	VIBRATION ANALYSIS FOR AUTOMOBILES USING MACHINE LEARNING APPROACHES FOR FAULT DIAGNOSIS  <i>Y.I.N. Senadheera</i>
8.45- 9.00	ICSD_029	DEVELOPMENT OF DEEP LEARNING BASED REAL-TIME DETECTION AND WARNING SYSTEM TO REDUCE ELEPHANT-TRAIN COLLISIONS IN SRI LANKA  <i>P.K.K.C. Keerthirathna, H.M.S.D. Herath, K.P.M.D.R.D. Ferdinando, K. Saikrisha, R. Thilaksani</i>
9.00- 9.15	ICSD_044	CAMERA-BASED ADAPTIVE LIGHTING CONTROLLER USING MACHINE LEARNING AND LINEAR OPTIMIZATION FOR ENERGY EFFICIENCY  <i>A.M.K.C.A. Hulugalla, K.R. Manasha, U.B.T.S. Tennakoon, M.M.F. Mushrifa, H.M.A.D.K. Herath</i>
9.15- 09.30	ICSD_274	BEYOND STATIC DETECTION: ROBUST TRACKING OF OVERLAPPING WASTE ON MOVING INDUSTRIAL CONVEYORS  <i>S.A.R.R. Suraweeraarachchi, U.G.U.P. Samarasekara, C.S. Bandara, J.A.S.C. Jayasinghe, U. Jayasinghe</i>
9.30- 9.45	ICSD_281	DEEPMINEAI: A DEEP LEARNING-BASED GEMSTONE CLASSIFICATION MODEL FOR DIGITAL GEM TRADING PLATFORMS  <i>W.P.I.N. Kumarasinghe, L.B. Madhuranga</i>
9.45- 10.00	ICSD_312	EFFECTIVENESS OF STEP-SHAPED TRENCHES IN REDUCING PILE-INDUCED VIBRATION: NUMERICAL INVESTIGATION AND MACHINE LEARNING (ML) PREDICTION  <i>P.H.T. Maduranga, G.H.M.J.S. De Silva, R. Edirisinghe</i>
10.00 - 10.15	ICSD_051	THE IMPERATIVE NEED OF EXPLAINABLE AI (XAI) FOR HEALTHCARE  <i>G Ranathunga, P.Y Subasinghe</i>
10.15 - 10.30	ICSD_100	NOVIRA: AN AI-DRIVEN PARENTAL MONITORING SYSTEM FOR ENHANCING CHILD SAFETY AND EMOTIONAL WELL-BEING  <i>A J. Libisanan, R. Thisakaran</i>
Session Coordinator	Ms. Wasana Chamurdi +94 77 102 3781	

<b>27<sup>th</sup> March 2026 / 08.30 – 10.30 hrs</b>		
<b>Room 04 - Session 04 (Online)</b>		
<b>Biotechnology, Biomedical Science &amp; Natural Products - II</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNALp4G3N.1">https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNALp4G3N.1</a>	
	Meeting ID: 840 4710 8893 Passcode: 731446	
<b>Session Chairs</b>		
Dr. Sankalya Ambagaspitiya University of Sri Jayewardenepura	Dr. Nayani Daranagama Gampaha Wickramarachchi University of Indigenous Medicine	Dr. Madushani Herath Wayamba University of Sri Lanka
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
8.30- 8.45	ICSD_239 (Key paper)	FERMENTED BUFFALO CURD (MEEKIRI) AS A SOURCE OF PROTEOLYTIC BACTERIA WITH POTENTIAL THROMBOLYTIC APPLICATIONS  <i>D.A.N.D. Daranagama, D.M.N. Thathsarani, D.H.N. Devagiri, D.H.N. M.P. Rankoth Gedara</i>
8.45- 9.00	ICSD_015	EVALUATION OF ANTIBACTERIAL AND PHYTOTOXIC ACTIVITY OF PURE AND BISMUTH DOPED COPPER OXIDE NANOPARTICLES  <i>K.D.N.I. Wijesooriya, H.N.C. Gimhani, K.K.M.S. Kandanapitiye</i>
9.00- 9.15	ICSD_057	IN VITRO APPROACHES FOR EVALUATING ANTICANCER ACTIVITY: A COMPREHENSIVE METHODOLOGICAL REVIEW  <i>K.D.M. Manthila, M.N.F. Sifaniya, M.M.S.T.C.M. Kulathunga, H.K. Diwyanjalee, W.A.A. Shavindi, H. Madushika, D.N.A.W. Samarakoon</i>
9.15- 09.30	ICSD_062	ANTIOXIDANT ACTIVITY OF <i>Plectranthus amboinicus</i> (KAPPARAWALLIYA) PLANT AQUEOUS EXTRACTS  <i>A.P.G. Praween, K.D.M. Manthila, P.H.A. Peiris, R.M.T.S. Rathnayaka, D.N.A.W. Samarakoon</i>
9.30- 9.45	ICSD_090	CHARACTERIZATION OF COPPER NANOPARTICLES SYNTHESISED USING AQUEOUS EXTRACT OF THE CROTON AROMATICUS LEAVES  <i>G.H.P. Ganegoda, W.D.K.S. Wadduwage, K.H.T Karunaratna, J.T.N. Knijnenburg, P.N.H. Liyanage</i>
9.45- 10.00	ICSD_137	EFFECT OF A POLYHERBAL EXTRACT (TRIPHALA) AGAINST DRUG-RESISTANT ESCHERICHIA COLI  <i>S.K.K. Sylvester, C.L. Abayasekara, B.S. Nanayakkara, A. Manoraj, E.W.M.A. Ekanayake</i>
10.00 - 10.15	ICSD_146	COMPARATIVE LITERATURE REVIEW OF SECONDARY METABOLITE PRODUCTION FROM CALLUS CULTURE AND CONVENTIONAL PLANT MATERIALS OF SALACIA RETICULATA ( <i>Kothalahimbutu</i> )  <i>W.M.A.C. Premasiri, D.L.C.K. Fonseka</i>
Session Coordinator		Eng. Kavishka Herath   +94 76 400 3552 Ms. Arani Dematapitiya   +94 76 497 5256

<b>27<sup>th</sup> March 2026 / 08.30 – 10.30 hrs</b>		
<b>Room 05 - Session 04 (Online)</b>		
<b>Renewable Energy Systems, Solar Technologies, and Advanced Engineering Innovations</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNAlp4G3N.1">https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNAlp4G3N.1</a>	
	Meeting ID: 840 4710 8893 Passcode: 731446	
<b>Session Chairs</b>		
Dr. Vikum Premalal University of Sri Jayewardenepura	Dr. Charithri Yapa University of Sri Jayewardenepura	Ms. Narmada Ranaweera University of Sri Jayewardenepura
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
8.30- 8.45	ICSD_041	MAXIMIZING SOLAR ENERGY OUTPUT THROUGH OPTIMAL PANEL TILT ANGLE AND ORIENTATION UNDER DIFFERENT CLIMATIC CONDITIONS.  <i>W.B.D.M.R.K. Dissanayaka, D.M.P. Adithya, K.A.K.P.S. Kodithuwakku, W.P.I.U. Wikramanayake, N. Sakthivelnathan</i>
8.45- 9.00	ICSD_056	INTELLIGENT MONITORING AND SELF-MAINTENANCE SYSTEM FOR SOLAR PV SYSTEMS: DESIGN, DEVELOPMENT, AND SURVEY BASED ANALYSIS  <i>J. Thanushyani, S.M. Piyarathna, R.G.M.W. Kumari, G.A. Canistus, T. Sajarupan, A.R.A.A. Amani</i>
9.00- 9.15	ICSD_054	DESIGN AND IMPLEMENTATION OF AN IOT BASED SOLAR SITE ANALYZER FOR REAL-TIME FEASIBILITY ASSESSMENT  <i>S. Janoyan, K.A.N Nimsara, W.B.D.M.R.K. Dissanayaka</i>
9.15- 09.30	ICSD_166	DESIGN AND IMPLEMENTATION OF AN INDEPENDENT ENERGY MONITORING AND FAULT DETECTION SYSTEM FOR DOMESTIC SOLAR PLANTS  <i>W. B. D. M. R. K. Dissanayaka, H. M. Fahim, M. Z. M. Umar, K. W. K. Rathnayake, N. Sakthivelnathan</i>
9.30- 9.45	ICSD_107	DESIGN AND DEVELOPMENT OF A HYBRID DRYER (BIOMASS - ELECTRICITY) AND PERFORMANCE EVALUATION  <i>W.A.A.H. Rupasinghe, D.S.P.H. Priyadarshana, H.K.P.P. Kariyawasam, D.M. Punchibandara, U.J.D.R. Kumari</i>
9.45- 10.00	ICSD_115	Analysis of a Hybrid Suspension System with Energy Regeneration and Active Control for Electric Vehicles  <i>W.A.H.M. Perera, A.C. Ratnaweera</i>
10.00 - 10.15	ICSD_069	MECHANOCHEMICAL AND SOLVOTHERMAL SYNTHESIS OF METAL ORGANIC FRAMEWORKS; A COMPARTIVE ANALYSIS AND SCALE-UP CONSIDERATIONS  <i>B.J. Liyanage, N.M. Adassooriya</i>

	ICSD_136	INTEGRATED ENVIRONMENTAL AND SOCIOECONOMIC IMPACT ASSESSMENT OF A MINI-HYDROPOWER PROJECT IN KANDY DISTRICT, SRI LANKA
10.15- 10.30		<i>U.L.S. Chamath, R.G.A.K. Jayarathna, R.M.A. Dilini, K.A.S.H. Wijasenarathne</i>
Session Coordinators		Eng. Sasini Goonasekara   +94 71 761 0747 Ms. Savidya Sheshami   +94 75 952 1887

<b>27<sup>th</sup> March 2026 / 11.00 – 13.00 hrs</b>		
<b>Room 01 - Session 05 (Hybrid)</b>		
<b>Functional Foods, Nutraceuticals, and Health-Oriented Food Innovations</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1">https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1</a>	
	Meeting ID: 833 5550 1299 Passcode: 060425	
<b>Session Chairs</b>		
Dr. Chathuri Senanayake University of Sri Jayewardenepura	Dr. Amani Wijesinghe Wayamba University of Sri Lanka	Dr. Kaushalya Wijayasekara University of Ruhuna
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
11.00 - 11.15	ICSD_009	BIOACTIVE COMPOUNDS, ANTIOXIDANT CAPACITY AND PHYSIOCHEMICAL PROPERTIES OF SELECTED EDIBLE AQUATIC PLANT FLOWERS ACROSS SELECTED LOCATIONS IN SRI LANKA <i>M.G.D.H.Kumari, R.G.S. Wijesekara, D.C. Abeysinghe, A.G.S.S. Darshani</i>
11.15 - 11.30	ICSD_045	ENERGY DRINK CONSUMPTION AND HUMAN HEALTH: A SYSTEMATIC REVIEW OF MULTI-SYSTEM ADVERSE EFFECTS AND TOXICOLOGICAL COMPOSITION <i>W.S.T. Withana, M.R.A.V.D. Gunasinghe, G.D.T. Perera, M.S.F. Hafsa, R.S.A. Amarasinghe, V.S. Kodikara, A.R. Jayamaha</i>
11.30 - 11.45	ICSD_086	FORMULATION AND EVALUATION OF AYURVEDA INSPIRED SODAS AS A SUSTAINABLE APPROACH TO HEALTHY BEVERAGE DEVELOPMENT <i>R.G.N.B. Bandara, G.M. Somaratne, B.D.R. Prasantha</i>
11.45 - 12.00	ICSD_097	HUMAN EVIDENCE FOR THE ANTI-UROLITHIATIC EFFICACY OF GARCINIA CAMBOGIA SUPPLEMENTATION: A RANDOMIZED, PLACEBO-CONTROLLED CLINICAL TRIAL IN HEALTHY ADULTS <i>D.D.H.C. Thilakasiri, G.M. Somaratne, A.G.K. Chamodini, A. Chandrasekara, A.G.K.C. Didulanga, A. Bandara, M.A.J.N. Wijayarathna</i>
12.00 - 12.15	ICSD_103	DEVELOPMENT AND CHARACTERIZATION OF LOW-CALORIE, LOW-GLYCAEMIC INDEX ALTERNATIVES TO BUTTER AND BANANA CAKE FORMULATIONS FOR HEALTH-CONSCIOUS CONSUMERS <i>H.A.S.S. Hettiarachchi, G.M. Somaratne, E.R.J. Samarakoon, P.C. Arampath, J.K.R. Madhawa</i>
12.15 - 12.30	ICSD_122	ASSESSMENT OF MICRONUTRIENT DEFICIENCIES AND CONSUMER REQUIREMENTS FOR A PROPOSED VITAMIN A, D AND E-ENRICHED DRINK FOR SCHOOLCHILDREN IN KEGALLE, SRI LANKA <i>K.R.S.T. Kanangama, K. Sayakkara</i>
12.30 - 12.45	ICSD_140	EXPLORING LINKS BETWEEN PSYCHOLOGICAL WELL-BEING AND FOOD CRAVINGS IN POSTMENOPAUSAL WOMEN IN KANDY DISTRICT: A CROSS-SECTIONAL STUDY <i>W.P.G.A.D. Wickramasinghe, N.K. Weerasekara, A. Chandrasekara, K.I.C. Kandauda, R.P.N.P. Rajapakse, B.E.P. Mendis</i>

12.45 - 13.00	ICSD_141	MOLECULAR DOCKING AND IN SILICO ANALYSIS OF PHYTOCHEMICALS FROM GREEN TEA, BLACK TEA, AND CINNAMON TEA FOR THEIR POTENTIAL TO INHIBIT KEY DIGESTIVE ENZYMES ASSOCIATED WITH DIABETES  <i>W.S.M. Fernando, N.K. Weerasekara, R.P.N.P. Rajapakse</i>
13.15 - 13.30	ICSD_142	EVALUATING THE IMPACT OF WEIGHT REDUCTION ON TRIGLYCERIDE-GLUCOSE (TYG) INDEX AS A BIOMARKER OF INSULIN SENSITIVITY IN A MIDDLE-AGED ADULT POPULATION IN CENTRAL PROVINCE  <i>S.G. Wanigasekara, N.K. Weerasekara, A. Chandrasekara, R.P.N.P. Rajapakse, B.E.P. Mendis</i>
13.30 - 13.45	ICSD_061	A SYSTEMATIC REVIEW ON THE PROXIMATE NUTRITIONAL COMPOSITION AND FUNCTIONAL BIOACTIVE PROPERTIES OF SRI LANKAN TRADITIONAL RICE ( <i>Oryza sativa</i> L.) VARIETIES  <i>G. P. Arul Pragasam, P. Neveshkar, D.A.E.D. Mohotti, H.K.C. Harshana, J.H.A.U.T. Jayasekara, H.M.S.N.B. Medawaththa, Aloka Dhananjani, Haththotuwa Gamage Amal Sudaraka Samarasinghe, D. A.N.W Samarakoon, Akila Randika Jayamaha, C.R Gunawardhane, Ruwanka Ratnayake</i>
Session Coordinators		Eng. Ravishka Iroshana   +94 775405870 Ms. Bhagya Perera   +94 740 503184

<b>27<sup>th</sup> March 2026 / 11.00 – 13.00 hrs</b>		
<b>Room 02 - Session 05 (Hybrid)</b>		
<b>Digital Transformation, Data Analytics, and Emerging Technologies - I</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1">https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1</a>	
	Meeting ID: 833 5550 1299      Passcode: 060425	
<b>Session Chairs</b>		
Dr. Pansan Madhurange University of Sri Jayewardenepura	Mr. Chamila Karunatilake University of Sri Jayewardenepura	Ms. Sankani Heenkenda University of Sri Jayewardenepura
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
11.00 - 11.15	ICSD_105	CONFLICT ANALYSIS IN MULTI-MODEL SENTIMENT PREDICTION FOR SOFTWARE ENGINEERING TEXTS  <i>P.I.V. Wijewardhana, M. Fernando</i>
11.15 - 11.30	ICSD_149	HANDS-ON EMBEDDED SYSTEMS EDUCATION WITH A MODULAR AUTONOMOUS GROUND VEHICLE PLATFORM  <i>S.P. L Dewmini , R. Liyanage</i>
11.30 - 11.45	ICSD_036	SENTIMENT ANALYSIS OF WORK FROM HOME POST COVID-19 USING TWITTER DATA AND MACHINE LEARNING TECHNIQUES  <i>R Thisakaran, Mudita Tissera</i>
11.45 - 12.00	ICSD_172	ARTIFICIAL INTELLIGENCE IN AGRICULTURAL AND ENVIRONMENTAL EDUCATION: A SYSTEMATIC REVIEW OF TOOLS, PEDAGOGICAL APPLICATIONS, AND IMPLEMENTATION CHALLENGES  <i>W.R.G Wathupola, H.G.S.C Wickramasooriya, O.D.I.P Dissanayake</i>
12.00 - 12.15	ICSD_238	DIGITAL LIFESTYLE HEALTH ASSESSMENT FOR SUSTAINABLE WORKFORCE WELL-BEING IN SRI LANKAN IT INDUSTRY  <i>A.S.V. Amarasekara, L.S. Lekamge</i>
12.15 - 12.30	ICSD_245	ADAPTIVE BEHAVIOUR-DRIVEN AI FRAMEWORKS FOR PRIVACY-PRESERVING WELLNESS E-COMMERCE IN INDUSTRY 4.0  <i>M.S. Hewage , L.S. Lekamge, Lakshan W.D.D</i>
12.30 - 12.45	ICSD_167	DEVELOPMENT OF A SIMPLIFIED WEBSITE FOR ESTIMATING CARBON EMISSIONS IN BUILDING CONSTRUCTION PROJECTS IN SRI LANKA  <i>R. Sulaxshan, J. Rajeem</i>
Session Coordinator	Eng. Sankalya Lunuwila +94 77 738 8441	

<b>27<sup>th</sup> March 2026 / 11.00 – 13.00 hrs</b>		
<b>Room 03 - Session 05 (Hybrid)</b>		
<b>Sustainability Governance, Policy, and Social Dimensions of Sustainable Development</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1">https://us06web.zoom.us/j/83355501299?pwd=IvFjwIzSsaaF9HyEJZ97KYVMtsWu0P.1</a>	
	Meeting ID: 833 5550 1299	
	Passcode: 060425	
<b>Session Chairs</b>		
Dr. KN Nadeeshani Silva University of Ruhuna		Dr. Asitha De Silva University of Colombo
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
11.00 - 11.15	ICSD_022	INDIA-SRI LANKA COOPARATION ON SUSTAINABLE FISHERIES AND MARINE RESOURCE MANAGEMENT  <i>R.P.Y.R. Rajapaksha</i>
11.15 - 11.30	ICSD_158	AN ANALYSIS ON LEGAL AND POLICY FRAMEWORKS FOR AGROFORESTRY AND TREES OUTSIDE FORESTS IN SRI LANKA  <i>M.A.S. Nethmini</i>
11.30 - 11.45	ICSD_248	AN ASSESSMENT OF AWARENESS, BEHAVIORS, AND CHALLENGES IN GREEN PURCHASING PRACTICES AMONG UNIVERSITY COMMUNITY  <i>W.H.S. Kulathunga , C.P. Jayasekara, S.K.P. Madushani, A.M.R.N.A. Unantenna, W.G.T.D. Rathnayake, J.A.S.G. Randimali, O.D.I.P. Dissanayake, M.G.G. Awanthi</i>
11.45 - 12.00	ICSD_280	EUROPEAN GREEN-DEAL ESG REGULATORY LANDSCAPE: NON-EU AGRI FOOD EXPORTERS  <i>D. Dahanayake, I. Mahakalanda</i>
12.00 - 12.15	ICSD_308	CHALLENGES AND OPPORTUNITIES FOR SRI LANKA IN IMPLEMENTING CARBON OFFSETTING AND REDUCTION SCHEME OF INTERNATIONAL AVIATION (CORSA)  <i>A.A.N.S. Adikari, C.P. Rupasinghe</i>
12.15 - 12.30	ICSD_129	Examine the Relationship Between Organisational Structure and External Crisis Management in the Sri Lankan Construction Industry  <i>L.D. T.N. sarathchandra, T.Senthilrajah</i>
12.15 - 12.45	ICSD_208	EVALUATING ROLE OF ANT COMMUNITY STRUCTURE AND BEHAVIOR AS BIOINDICATORS OF ECOSYSTEM HEALTH, HABITAT RESTORATION, AND BIODIVERSITY CONSERVATION  <i>M.A.S.P Dissanayake</i>
Session Coordinator		Ms. Wasana Chamurdi +94 77 102 3781

<b>27<sup>th</sup> March 2026 / 11.00 – 13.00 hrs</b>		
<b>Room 04 - Session 05 (Online)</b>		
<b>Sustainable Resource Management, Materials, and Environmental Behavior</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNALp4G3N.1">https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNALp4G3N.1</a>	
	Meeting ID: 840 4710 8893 Passcode: 731446	
<b>Session Chairs</b>		
Dr. Pasan Bandara University of Sri Jayewardenepura	Dr. Chamila Dias Open University of Sri Lanka	Dr. Nilanka Weerasinghe TerraCert Pvt Ltd
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
11.00 - 11.15	ICSD_254	FROM WASTE TO RESOURCE: DESIGN AND FABRICATION OF A FIBERGLASS CRUSHING MACHINE FOR SUSTAINABLE APPLICATIONS  <i>M.M.A. Fernando, R.M.C. Kaushini, R.M.T.K. Bandara, H.D. Muthukelum, P.G.C.R. Gallage, L.K.T. Srimal</i>
11.15 - 11.30	ICSD_255	INTERPLAY OF GREEN WORK BEHAVIOUR, ORGANIZATIONAL COMMITMENT IN NURTURING CORPORATE SOCIAL RESPONSIBILITY  <i>T. Sarintha, N. Ockersz, P. Pretheeba</i>
11.30 - 11.45	ICSD_264	DESIGN AND CALIBRATION OF A PRECISION DENSITY MEASUREMENT SYSTEM USING ELECTRICAL RESISTANCE VARIATION  <i>H.M.V.V.W. Wickrama, K.K.G.T. Gimhani, R. Ranaweera</i>
11.45 - 12.00	ICSD_283	CHARACTERIZATION OF NATURAL ILMENITE AND GYPSUM FROM SRI LANKA AS POTENTIAL OXYGEN CARRIERS IN CLC PROCESSES  <i>O.V.De Silva, S.M. Gamage, D.G.G.P. Karunaratne</i>
12.00 - 12.15	ICSD_001	WILLINGNESS TO ADOPT CARBON NEUTRALITY IN TOURISM AN EMPIRICAL STUDY OF TOURISTS AND HOTELIERS IN NUWARA ELIYA, SRI LANKA  <i>S.C.J. Bandara, D.M.G.S. Dissanayake, I.G.S.S.K. Karunadasa, L.R. Samarasinghe</i>
12.15 - 12.30	ICSD_290	SEASONAL DECOUPLING OF WATER QUALITY AND BENTHIC MACROINVERTEBRATE RESPONSES IN A MONSOON-DRIVEN RIVER: EVIDENCE FROM THE YAN OYA BASIN, SRI LANKA  <i>G.K.L. Wickramasinghe, G.D.D.J. Bandara, M.I.M. Mowjood, G.M.P. Kumara, N.D.K. Dayawansa</i>
12.30 - 12.45	ICSD_269	SPATIAL EVALUATION OF GROUNDWATER POTENTIAL IN TRINCOMALEE DISTRICT: A PATH TOWARD SUSTAINABLE WATER SECURITY  <i>T. Keerthi, S.H. Senevirathne, C.H. Wijesiri</i>
Session Coordinators		Eng. Kavishka Herath   +94 76 400 3552 Ms. Arani Dematapitiya   +94 76 497 5256

<b>27<sup>th</sup> March 2026 / 11.00 – 13.00 hrs</b>		
<b>Room 05 - Session 05 (Online)</b>		
<b>Climate-Smart Agriculture, Sustainable Crop Production, and Bio-Innovations - II</b>		
Join Zoom Meeting	<a href="https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNAlp4G3N.1">https://us06web.zoom.us/j/84047108893?pwd=m7wy9OoP8dLz1KdKPIISRwNAlp4G3N.1</a>	
	Meeting ID: 840 4710 8893 Passcode: 731446	
<b>Session Chairs</b>		
Dr. Priyanga Kariyawasam University of Colombo	Prof. Surani Chathurika University of Sri Jayewardenepura	Dr. Ruwanga Amarasinghe Sri Lanka Technology Campus
<b>Time</b>	<b>Paper ID</b>	<b>Title</b>
11.00 - 11.15	ICSD_276	EVALUATION OF WATER STRESS TOLERANCE IN TOMATO ( <i>Solanum lycopersicum</i> L.) GENOTYPES FROM SRI LANKA  <i>M.H.I. Wijekoon, N.V.T. Jayaprada, N. T. M. Wijewardana</i>
11.15 - 11.30	ICSD_028	EFFECT OF SOUND FREQUENCIES ON THE GROWTH AND DEVELOPMENT OF TOMATO ( <i>SOLANUM LYCOPERSICUM</i> ) PLANTS
11.30 - 11.45	ICSD_084	ADULTICIDAL AND REPELLENCE EFFECT OF TEN SELECTED PLANT EXTRACTS AGAINST RICE LEAF FOLDER ( <i>Cnaphalocrocis medinalis</i> ) WITH SPECTROSCOPIC INSIGHTS ON <i>Justicia adhatoda</i>  <i>A.S.S.Jahan, V.Sujarajini, M.H.Haroon, A.D.N.T. Kumara</i>
11.45 - 12.00	ICSD_244	Investigation of the Chemical Constituents in Sludge from Water Treatment Plants Located in Anuradhapura  <i>M.D.S. Silva, D.M.S. Duminda, W.A.N.N. Wanasinghe, M.V.N. Sampath</i>
12.00 - 12.15	ICSD_265	SODIUM ALGINATE-MEDIATED FERTILIZER SEED COATING AS A STRATEGY TO IMPROVE GERMINATION AND SEEDLING VIGOUR IN <i>Capsicum annuum</i> L.  <i>C.J. Pathirana, N.R.N. Silva, J.J. Wewalwela</i>
12.15 - 12.30	ICSD_358	"DECARBONIZING THE TEA INDUSTRY: COMPREHENSIVE SCOPE 1, 2, AND 3 CARBON FOOTPRINT ASSESSMENT OF A MEDIUM-SCALE SRI LANKAN TEA FACTORY  <i>H.S.A.P.Fernando, V.B.S.Keerthirathna, R.P.I.N.imasha, A.G.H.M.Rajakaruna, K.A. S.H.Wijasenarathne, R.M.A.Dilini</i>
12.30 - 12.45	ICSD_258	PHOSPHATE-SOLUBILIZING BACTERIA IN TEMPERATURE-ADAPTED SOIL MICROBIOMES: A SYSTEMATIC REVIEW ON THEIR POTENTIAL AS PLANT GROWTH-PROMOTING BIOFERTILIZERS  <i>W.M.A.T. Wanninayaka, G.Y. Jayasinghe</i>

12.45 - 13.00	ICSD_259	OPTIMIZATION OF ACID HYDROLYSIS OF Panicum maximum USING RESPONSE SURFACE METHODOLOGY FOR REDUCING SUGAR PRODUCTION  <i>B.H.P.H. Peiris, K.H.I.K. Hewavitharana, K.G.C. Senarathna</i>
Session Coordinators		Eng. Sasini Goonasekara   +94 71 761 0747 Ms. Savidya Sheshami   +94 75 952 1887

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