



THE
COLOMBO
CONFERENCE

The First International Conference on
**UNIVERSITY-INDUSTRY COLLABORATIONS
FOR SUSTAINABLE DEVELOPMENT
(ICSD)- 2024**

PROGRAM BOOK



The 1st International Conference on University-Industry Collaborations for Sustainable Development (ICSD 2024)

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

15th – 17th March 2024, Colombo 07, Sri Lanka

PREFACE

Welcome to the First International Conference on University-Industry Collaborations for Sustainable Development (ICSD 2024), also known as The Colombo Conference. This distinguished gathering catalyzes the exchange of cutting-edge ideas, innovative technologies, and entrepreneurial strategies within the realm of agro-industries. With a commitment to fostering sustainability, the conference aims to propel university curricula into new dimensions, fortify business ties, and cultivate a fertile ground for invention, innovation, and entrepreneurship. Contained within this book are the abstracts of research work spanning various sub-specialties, a evidence of the diverse and impactful contributions made by scholars and practitioners alike. These abstracts are scheduled for presentation at parallel sessions from March 16th to 17th, 2024 at the gapHQ, Colombo 07, Sri Lanka. We extend our deepest appreciation to our esteemed keynote speakers, whose valuable insights have played a pivotal role in shaping the discourse on University-Industry Collaborations for Sustainable Development. The richness of this compilation is grateful much to the dedication and caliber of the contributing authors, who have presented research papers of exceptional quality. Each abstract featured in this book has undergone rigorous scrutiny by a panel of academic and professional experts, individuals distinguished in their respective fields. We express our sincere gratitude to these reviewers for their tireless efforts, which have elevated the scholarly standard of this collection. Acknowledgment is also due to the unwavering support and guidance provided by the local and international advisory committees, as well as the diligent members of the co-chairs committee. Their valuable input has been instrumental in arranging the success of this significant event. We extend our heartfelt thanks to all volunteers who have generously offered their time and expertise, contributing to the seamless execution of the conference. Moreover, we gratefully acknowledge the financial sponsorship generously provided by numerous organizations, whose support has been instrumental in ensuring the achievement of this international conference. It is our earnest hope, as editors, that this abstract book will serve as a valuable resource for the global research community engaged in studies related to 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 First International Conference on University-Industry Collaborations for Sustainable Development (ICSD 2024)

15th to 17th March 2024, 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 First International Conference on University-Industry Collaborations for Sustainable Development (ICSD 2024) in the vibrant city of Colombo, Sri Lanka. The chosen theme, "University-Industry Collaborations for Sustainable Development," resonates deeply with the global imperative for fostering innovative and sustainable research to shape a brighter future. In organizing this conference, our vision is to create a dynamic convergence point for talents, knowledge, and dedication. We believe that this platform will serve as a crucible for the generation of groundbreaking ideas and the exchange of expertise among participants dedicated to the cause of sustainable global development. Our conference explores diverse sub-topics within the sphere of sustainable development, focusing on the intricate interplay of academia and industry. We anticipate discussions spanning a wide range of subjects, each contributing to the overarching goal of advancing sustainable research practices for the benefit of future generations. The selected, leading full papers of the Colombo Conference (ICSD 2024) will be published by Springer Nature under the book series Proceedings in Technology Transfer. All other accepted papers will be published in a special volume of proceedings with an international standard book number (ISSN). The choice of Colombo as our host city holds significance, as it is a city steeped in rich heritage, unique architecture, cultural diversity, and natural beauty. We hope that amidst the intellectually stimulating sessions, you find moments to relish the distinctive charm and climate of Colombo. Our heartfelt gratitude goes out to our distinguished guests, keynote speakers, authors, members of the international advisory committee, and the dedicated editorial committee. We extend sincere appreciation to our sponsors and all those who have generously volunteered their time and efforts to ensure the success of this pivotal event. As conference co-chairs, we are honored to be part of this collaborative journey towards sustainable development. We look forward to witnessing the flourishing exchange of ideas and forging lasting connections during this memorable event.

Prof. Ranjith Dissanayke
Prof. G. Yugantha Jayasinghe
Prof. Sujeeva Setunga
Prof. Dilanthi Amaratunga
Prof. Lasith Gunawardena
Prof. Irene Lill
Prof. Artūras Kaklauskas
Assoc. Prof. Sarintip Tantanee
Asst. Prof. Sujinda Sriwattana
Assoc. Prof. Jörgen Sparf
Dr. Ravi Liyanage
Dr. Valsson Varghese

The First International Conference on University-Industry Collaborations for Sustainable Development (ICSD 2024)
15th to 17th March 2024, gapHQ, Colombo 07, Sri Lanka

16th March 2024			
Registration			
8.00 – 8.30			
Time	Room 1 (Hybrid)	Room 2 (Hybrid)	Room 3 (Online)
08.30 - 10.30	University-Industry Partnerships for Sustainable Development	Agroindustry's Trends, Patterns, and Developmental Impacts	Agroindustry's Trends, Patterns, and Developmental Impacts
10.30 - 11.00	Tea Break		
11.00 - 13.00	Invention And Innovation - Sustainable Environment/ Sustainable Construction/ Waste management	Innovation Culture of The Agricultural Sectors	Agroindustry's Trends, Patterns, and Developmental Impacts
13.00 -14.15	Lunch		
14.15 - 16.15	Delivering Digital Health: Challenges of Digital Transformation	Invention and Innovation - Agriculture	Invention and Innovation - Engineering Technology
16.15 - 16.30	Tea Break		
16.30 – 19.00	SECRA Policy Dialogue	Invention and Innovation - Agriculture	Invention and Innovation - Engineering Technology
			-

17th March 2024			
Registration		8.00 – 8.30	
Time	Room 1 (Hybrid)	Room 2 (Hybrid)	Room 3 (Online)
08.30 - 10.30	Student Employability	Invention and Innovation - Sustainable Environment/ Sustainable Construction/ Waste management	Invention and Innovation - Sustainable Environment/ Sustainable Construction/ Waste Management
10.30 - 11.00	Tea Break		
11.00 - 13.00	SECRA/FOUNTAIN	Blended Learning	Invention and Innovation - Sustainable Environment/ Sustainable Construction/ Waste Management
13.00 - 14.15	Lunch		
14.15 - 16.15	International Pitching Competition	Invention and Innovation - Engineering Technology	Invention and Innovation - Engineering Technology
16.15 - 16.30	Tea Break		
17.00 - 18.00	International Pitching Competition	Small and Medium Entrepreneur/Challenges to Innovation and Invention/ Techno-entrepreneurial skills	Small and Medium Entrepreneur/Challenges to Innovation and Invention/ Techno-Entrepreneurial skills

16th March 2024			
Room 1 (Hybrid)/ Session 01			
University-Industry Partnerships for Sustainable Development			
Join Zoom Meeting	https://us06web.zoom.us/j/89031818716?pwd=CyGU2yQCRD2GVp3zBGCg5rJCNZ7nbk.1		
	Meeting ID: 890 3181 8716		
	Passcode: 211245		
Session Chair 1	Prof. Dilanthi Amaratunga	Session Coordinator 1	Mr. Hashan Thilakarathne
Session Chair 2	Prof. Chaminda Bandara	Session Coordinator 2	Ms. Thilaksha Ukwatte
Time	Paper ID	Title	
8.30 - 8.45	Key paper – ICSD 038	UNIVERSITY-INDUSTRY PARTENERSHIPS FOR SUSTAINABLE DEVELOPMENT – BIBLIOMETRIC ANALYSIS <i>RM Badircea, AG Manta, F Manta, G Badareu</i>	
8.45 - 9.00	ICSD 203	STRATEGIES FOR SUCCESS: ENHANCING RESEARCH, LEARNING, AND INNOVATION THROUGH INDUSTRY-ACADEMIA SYNERGY WITH THE INDUSTRY INTERACTION CELL UNIT MODEL <i>P. Samarasekere, S. Ganeshakumaran, A. M. A. Pillai</i>	
9.00 - 9.15	ICSD 206	UNIVERSITY-INDUSTRY LINKAGE PRACTICES AND CHALLENGES IN SRI LANKA: REVIEW OF EFFECTIVE AND SUCCESSFUL COLLABORATION <i>S.M.A. Ravindi, W.W.M.S.G. Wanigasundara, K.N.N. De Silva</i>	
9.15 - 9.30	ICSD 210	RESTORATION OF THREATENED LAGENANDRA SPECIES IN KALUTHARA DISTRICT <i>A. P. L. S. Vaas, G. D. M. Yasara, I. Madola, K.M.G.G. Jayasuriya, K. Yakandawala, D.M.D. Yakandawala, A.M.T.A. Gunaratne</i>	
9.30 - 9.45	ICSD 213	ACADEMIA-INDUSTRY COLLABORATION FOR THE DEVELOPMENT OF ACCESSIBLE EDUCATION <i>D.L. Thoradeniya, M. Ranasinghe, V. Nanayakkara, B. Karunarathne, E.N. Ranasinghe</i>	
9.45 - 10.00	ICSD 332	VOICES FROM THE COMMUNITIES: STAKEHOLDER PERCEPTIONS ON UNIVERSITY-ENTERPRISE COLLABORATION PROGRAMS FOR RESILIENCE <i>B.J. Tuga, D.R.T. Montebon, L.A.S. Cortez, A.C. Marasigan M.A.T. Renon</i>	

10.00 - 10.15	ICSD 314	EVALUATING UNIVERSITY INDUSTRY COLLABORATIONS WITH THE MSME SECTOR <i>S.R. Abeyratna, G. C. Kuruppu, D.N. Subramaniam</i>
10.15 - 10.30	ICSD 150	INNOVATION ECOSYSTEMS: SUSTAINING UNIVERSITY-INDUSTRY HARMONY IN THE ASIAN EDUCATIONAL LANDSCAPE <i>S.M.S.N. Senanayake, T.S. Ukwatte, G. Y. Jayasinghe, P.A.N.P. Pandipperuma, J.M.H.M. Upulwehera, M.C. Karunadasa, K.M.C. Tharupath, C.S. Bandara, P.B.R. Dissanayake</i>

16th March 2024			
Room 1 (Hybrid)/ Session 02			
Invention and Innovation - Sustainable Environment/ Sustainable Construction/ Waste Management			
Join Zoom Meeting	https://us06web.zoom.us/j/89031818716?pwd=CyGU2yQCRD2GVp3zBGCg5rJCNZ7nbk.1		
	Meeting ID: 890 3181 8716 Passcode: 211245		
Session Chair 1	Dr. Roel C. Rodrigo	Session Coordinator 1	Mr. Hashan Thilakarathne
Session Chair 2	Dr. Rohan Dassanayake	Session Coordinator 2	Ms. Thilaksha Ukwatte
Time	Paper ID	Title	
11.00 - 11.15	Key Paper - ICSD 015	ENVIRONMENTAL GOVERNANCE IN THE CONTEXT OF CLIMATE CHANGE: SCIENTIFIC CONTRIBUTIONS FROM THE EUROPEAN UNION <i>O.R. Lobont , N.C. Moldovan, S. Vatavu, A.E. Varadi</i>	
11.15 - 11.30	ICSD 044	CLIMATE CHANGE IMPACTS ON GLOBAL AGRICULTURE: CHALLENGES, ADAPTATION STRATEGIES, AND SUSTAINABLE SOLUTIONS: A REVIEW <i>S M T P Suriyapperuma, W G M Randika, G Y Jayasinghe</i>	
11.30 - 11.45	ICSD 019	INTEGRATED GIS AND REMOTE SENSING ANALYSIS FOR HABITAT SUITABILITY MODELING OF WATERBIRDS IN VANKALAI SANCTUARY, SRI LANKA <i>J.J.M.N.J. Senevirathna, K.A. Sirisena , K.H.N. Kulapathi, R.M.D.M. Karunarathna</i>	
11.45 - 12.00	ICSD 020	COMPARATIVE ANALYSIS OF CONVENTIONAL EMISSION TESTING METHODS AND NOVEL EMISSION TESTER FOR DIESEL VEHICLES <i>M.M Khan, S N Waduge, T S Niroshan</i>	
12.00 - 12.15	ICSD 242	USE OF GRAPH DATA MODELING FOR UNVEILING INTERCONNECTED STRATEGIES OF CLIMATE ACTIONS <i>PMPC Gunathilake, Tilak Hewawasam, Jagath Gunatilake</i>	
12.15 - 12.30	ICSD 098	DEVELOPING A PROPER NANO MATERIAL TO USE IN CUISINE CLAY POTTERIES <i>R. G. N. Lakmali , U. S. Liyanaarachchi, R. U. Halwatura</i>	

12.30 - 12.45	ICSD 117	DEVELOPMENT OF BIODEGRADABLE RIGID FUNGAL MYCELIUM BASED FOAMS FROM CORN HUSK WASTE <i>T.G.C. Madusanka, S.D. Udayanga, A.H.L.R. Nilmini, S.M. Rajapaksha, C. Hewawasam and D. Manamgoda</i>
12.45 - 13.00	ICSD 085	EXTRACTION OF RICE STRAW CELLULOSE NANOFIBERS BY OPTIMIZING A CHEMO-MECHANICAL METHOD, DEVELOPMENT OF THIN FILMS, AND CHARACTERIZATION <i>B. P. S. Rajapakshe, N. L. Rathnasinghe, R. A. Jayasinghe, A. H. L. R. Nilmini, V. Karunaratne, R. N. Wijesena, G. Priyadarshana</i>

16th March 2024			
Room 1 (Hybrid)/ Session 03			
Delivering Digital Health: Challenges of Digital Transformation			
Join Zoom Meeting	https://us06web.zoom.us/j/89031818716?pwd=CyGU2yQCRD2GVp3zBGCg5rJCNZ7nbk.1		
	Meeting ID: 890 3181 8716		
	Passcode: 211245		
Session Chair 1	Prof. Lasith Gunawardena	Session Coordinator 1	Mr. Hashan Thilakarathne
Session Chair 2	Prof. Champika Liyanage	Session Coordinator 2	Ms. Thilaksha Ukwatte
Session Chair 3	Prof. Richard Haigh		
Time	Paper ID	Title	
14.15 - 14.30	Key paper - ICSD 014	NEWBORN SCREENING INFORMATION SYSTEM DATABASE (NSISD) IMPLEMENTATION AND CHALLENGES IN DIGITAL TRANSFORMATION <i>M. Hettiarachchi, I. Kankanarachchi, S. Amarasena</i>	
14.30 - 14.45	Key Paper - ICSD 054	DRIVING HEALTH INNOVATION FORWARD: A DESIGN THINKING APPROACH TO ADDRESS KEY ISSUES IN THE HEALTH SECTOR <i>M. Alcaparas, B. Erfe, S. Chaves</i>	
14.45 - 15.00	ICSD 216	DIGITAL DIETETICS: BUILDING AN ARTIFICIAL-INTELLIGENCE-POWERED DIET PLANNING PLATFORM FOR EVIDENCE-BASED NUTRITIONAL GUIDANCE <i>K. Thevarajah, K.D.P. Madhushika, H.M.C.N. Herath, Y. Umapathy, M.W.F. Sahla, M. Mauran and A. Chandrasekara</i>	
15.00 - 15.15	ICSD 226	REVOLUTIONIZING CARBAMAZEPINE HYPERSENSITIVITY SCREENING: A GENETIC LOGIC GATE APPROACH FOR PRECISION DETECTION – UNLOCKING COLLABORATIVE OPPORTUNITIES FOR INNOVATIVE HEALTHCARE SOLUTIONS <i>Ayesha Nethmini, H.M.M. T.B. Herath, H.M.L.P.B. Herath</i>	
15.15 - 15.30	ICSD 202	INTEGRATING IOT FOR PLANT BASED INDOOR AIR PURIFICATION <i>K.G.N.H. Weerasinghe, M. C. Karunadasa, Migara Amithodhana, R.U. Halwatura</i>	
15.30 - 15.45	ICSD 062	USING DIGITAL HEALTH PLATFORMS FOR INFECTIOUS DISEASE CONTAINMENT AMID UNANTICIPATED CLIMATE CHANGE SRI LANKA: AREVIEW <i>K.M.L.P. Chandradasa,, R.M.V.M. Rajapaksha, M. Abhiram, J.A.D.P.D. Jayasinghe, B. Mithushan, K.V.G.D. Chandima, A.G.D.S. Tennakoon, T.A.N.T. Perera</i>	

15.45 - 16.00	ICSD 327	TOWARDS SUSTAINABLE URBAN MOBILITY: COMPARATIVE ANALYSIS OF PRIVATE VEHICLE REDUCTION STRATEGIES IN COLOMBO CITY AND CHINA'S URBAN CENTERS <i>V. Mary Vithiya, J. Rajeevan</i>
16.00 - 16.15	ICSD 309	IOT-BASED HEALTH MONITORING DEVICER <i>Thilakshan , M A M Ashfak, A M H Sampath, T Sajarupan, G Alfered Canistus</i>

16th March 2024		
Room 1 (Hybrid)/ Session 04		
SECRA Policy Dialogue		
Join Zoom Meeting	https://us06web.zoom.us/j/89031818716?pwd=CyGU2yQCRD2GVp3zBGCg5rJCNZ7nbk.1	
	Meeting ID: 890 3181 8716 Passcode: 211245	
Panelists	Senior Professor Ananda Jayewardene , Commission member, University Grants Commission	
	Senior Professor H.D. Karunaratne , Vice Chancellor, University of Colombo	
	Mr. Keerthi Gunawardene , President, Federation of Chamber of Commerce	
	Mr. Duminda Hulangamuwa , Chairman, Ceylon Chamber of Commerce	
Time	Facilitator	Description
16.30 – 16.40	Moderator – Prof. Upuli Perera	Round 1 – Objectives – Surface the present status of UECs in Sri Lanka and the expectations of players (HEIs and Industry)
16.40 – 17.05	Snr. Prof. Ananda Jayewardene	Effective UECs – The ideology of this time and age How well UGC handled such challenging situations and facilitated or enabled universities in the direction of effective UECs over the last two to three years
17.05 – 17.15	Snr. Prof. H.D. Karunaratne	Focus: How University Enterprise Collaborations (UBL cell, internship or any other form) contributed to build resilience during economic crisis in Sri Lanka
17.15 – 17.32	Mr. Keerthi Gunawardene	Focus: Experience of UECs (successes and failures) in the case of small enterprise survival plans during post pandemic economic crisis
17.32 – 17.45	Mr. Duminda Hulangamuwa	<ul style="list-style-type: none"> • Reflect on both of the presentations, • does your experience indifferent or are there anything that can be contested differently? • So as industry what is expected of universities? Second Round: Objective – Take feedback or inputs to the policy brief
17.45 – 17.55	Snr. Prof. H.D. Karunaratne	Among these ten elements in the proposed policy brief what are the most challenging aspects from the University point of view and why?
17.55 – 18.20	Mr. Duminda Hulangamuwa	What is the most challenging element among these list that you see when it comes to effective UECs as far as industry is concerned and what aspects in those you think that needs fixing?

18.20 – 18.35	Mr. Keerthi Gunawardene	What are your inputs and thoughts on this policy brief as far as greater scheme of things in the industry are concerned right now?
18.35 – 18.55	Q and A with the audience	
18.55 – 19.00	Synthesis	
19.00 – 19.10	Awards	

16th March 2024			
Room 2 (Hybrid)/ Session 01			
Agroindustry's Trends, Patterns, and Developmental Impacts			
Join Zoom Meeting	https://us06web.zoom.us/j/84958570307?pwd=evwRhWkjvbXTQ0iYpZ6YSNKWxXd0Da.1		
	Meeting ID: 849 5857 0307		
	Passcode: 257861		
Session Chair 1	Prof. Guttula. Y Jayasinghe	Session Coordinator 1	Ms. Isuri Gunasiri
Session Chair 2	Prof. M.H.J.P. Gunarathne	Session Coordinator 2	Ms. Monasha Chathubhashi
Time	Paper ID	Title	
8.30 - 8.45	Key Paper – ICSD 224	FOOD DRYING TECHNOLOGY TRANSITIONS TOWARD INDUSTRY 5.0 <i>A.J. Fernando</i>	
8.45 - 9.00	ICSD 105	PROCESSED FRUIT AND VEGETABLE INDUSTRY IN SRI LANKA: POTENTIALS, CHALLENGES, AND PROSPECTS <i>A.K.A. Dissanayake, U.D.R. Udari, M.D.D. Perera, I.P.P.M. Wijesinghe, S.P. Fernando</i>	
9.00 - 9.15	ICSD 230	REVITALIZING EMPLOYEE MOTIVATION VIA THE IMPLEMENTATION OF GREEN HRM PRACTICES: A COMPELLING CASE STUDY OF CBL EXPORTS (PVT) LTD <i>K.S. Sewwandi, R.K.C.Jeewanthi, W.M.S.L.Bandara</i>	
9.15 - 9.30	ICSD 236	ASSESSMENT OF ENERGY CONSUMPTION AND ENVIRONMENTAL IMPACTS OF ORTHODOX BLACK TEA PRODUCTION IN UPCOUNTRY SRI LANKA. <i>S. Pradheep, M.D.N.D. Perera, T. Ariyawansha</i>	
9.30 - 9.45	ICSD 249	ASSESSING ENERGY DEMAND AND ENVIRONMENTAL FOOTPRINTS OF SELECTED CROPS GROWN UNDER PROTECTED HOUSES OF UPCOUNTRY SRI LANKA A CASE STUDY IN UPCOUNTRY SRI LANKA <i>S.W.A.P.M Samarawickrama, S.K.M. Sooriyaarachchi, M.D.N.D. Perera, T. Ariyawansha</i>	

9.45 - 10.00	ICSD 250	STUDY ON THE APPLICATION OF “ECO-LABEL SRI LANKA” CERTIFICATION FOR AGRI-FOOD EXPORT PRODUCTS IN SRI LANKA <i>K.P.H.P.R. Dayarathna, S.H.P. Malkanthi, P. Sivashankar and S. Kumaranasena</i>
10.00 - 10.15	ICSD 270	CONSUMER PERCEPTIONS VS SUPPLY OF LOBSTER AND GIANT FRESHWATER PRWANS: OVERCOMING OBSTACLES <i>B.M.R.L. Basnayake and D.A.M. De Silva</i>

16th March 2024			
Room 2 (Hybrid)/ Session 02			
Innovation Culture of the Agricultural Sectors			
Join Zoom Meeting	https://us06web.zoom.us/j/84958570307?pwd=evwRhWkjvbXTQ0iYpZ6YSNKWxXd0Da.1		
	Meeting ID: 849 5857 0307		
	Passcode: 257861		
Session Chair 1	Prof. K. D. N. Weerasinghe	Session Coordinator 1	Ms. Isuri Gunasiri
Session Chair 2	Dr. Danushika Manatunga	Session Coordinator 2	Ms. Monasha Chathubhashi
Time	Paper ID	Title	
11.00 - 11.15	ICSD 057	EFFECT OF STOCKING DENSITY ON THE PERFORMANCE OF Labeo rohita AND GENETICALLY IMPROVED FARMED TILAPIA FRY <i>Piriyanka.S, Samarakoon.S.M.M.M.S, Thanusan.S and Jeyaweera. BPA</i>	
11.15 - 11.30	ICSD 252	EFFECTIVENESS OF A NOVEL HORSEGRAM ADDED BREAKFAST CEREAL IN WEIGHT LOSS DIETS <i>SA Wijesinghe, DVSS Diyapaththugama, GAP Chandrasekara</i>	
11.30 - 11.45	ICSD 298	QUALITY ASSESSMENT OF SEWAGE SLUDGE CO-COMPOSTING FOR AGRICULTURAL APPLICATIONS <i>U. M. W. H. K. Herath, S. M. W. T. P. K. Ariyaratna, I. R. Gamage, U. S. D. Chamika</i>	
11.45 - 12.00	ICSD 306	ANTIFUNGAL ACTIVITY OF <i>Padina antillarum</i> & <i>Sargassum ilicifolium</i> COLLECTED FROM AHANGAMA, SOUTHERN COAST IN SRI LANKA, AGAINST RUBBER PATHOGENIC FUNGI <i>H. A. Y. U. Hettiarachchi, T. H. P. S. Fernando, J. M. S. N. Rathnapala</i>	
12.00 - 12.15	ICSD 111	CHARACTERIZATION OF PHYSICO-CHEMICAL PROPERTIES AND POST-PRANDIAL GLYCEMIC RESPONSE OF GARLIC AND BEE HONEY COMBINED PRODUCT <i>T.N. Dahanayake, G.M Somaratne, S. Madarasinghe, M. Fahim, H.K.A.T. Karunaratna, K.D.U. Madhumali, A.M.D.T.B. Alahakoon, R. Jayawardena and N.M.A.I. Nikalansooriya</i>	

12.15 - 12.30	ICSD 294	<p>ENSILING GUINEA GRASS FORAGE WITH LACTOBACILLUS INOCULANTS</p> <p><i>K.M. Devindi, U.L. Karunadhipathi, R. Priyantha, N. Liyanagunawardena, W.M.P.B Weerasinghe, R.G.S.C. Rajapakse, M.B.P. Kumara Mahipala</i></p>
12.30 - 12.45	ICSD 320	<p>INCLUSION OF HYBRID NAPIER IN THE PRODUCTION OF FODDER MAIZE SILAGE</p> <p><i>K Jeromy, KM Devindi, UL Karunadhipathi, WMPB Weerasinghe, MBP Kumara Mahipala</i></p>
12.45 - 13.00	ICSD 033	<p>UNMANNED AERIAL VEHICLE USAGE FOR MONITORING HIGHER PLANTATION CROPS IN SRI LANKA</p> <p><i>S.M.A.B.K. Samarakoon, H.T.D. Dilshan, C.P. Rupasinghe</i></p>

16th March 2024			
Room 2 (Hybrid)/ Session 03			
Invention and Innovation - Agriculture			
Join Zoom Meeting	https://us06web.zoom.us/j/84958570307?pwd=evwRhWkjvbXTQ0iYpz6YSNKWxXd0Da.1		
	Meeting ID: 849 5857 0307		
	Passcode: 257861		
Session Chair 1	Asst. Prof. Siwa Kaewplang	Session Coordinator 1	Ms. Isuri Gunasiri
Session Chair 2	Dr. H.K.B.S. Chamara	Session Coordinator 2	Ms. Monasha Chathubhashi
Time	Paper ID	Title	
14.15 - 14.30	Key Paper – ICSD 016	EMPOWERING SMALLHOLDER TEA FARMERS WITH AN INNOVATIVE RESOURCE-EFFICIENT CROP IMPROVEMENT TECHNIQUE FOR SUSTAINABLE DEVELOPMENT <i>H.M.P. Peiris, N. Gunarathne, D. Samudrage</i>	
14.30 - 14.45	ICSD 313	COMPUTER VISION-BASED PHENOTYPING OF TOMATO SEEDS AND PREDICT THE GERMINATION ABILITY USING MACHINE LEARNING <i>U.D.B.Kamantha, R.M.C.Niruni, T.M.T.N.B.Thennakoon, C. S. Silva and N.V.T. Jayaprada</i>	
14.45 - 15.00	ICSD 260	GENETIC WIZARDRY REVEALED: A COMPARATIVE ANALYSIS OF GENETIC ENGINEERING TECHNIQUES EMPLOYED IN THE AGRICULTURAL INDUSTRY TO MANOEUVRE THE GENOME WITH PRECISION EDITING <i>H.T Gunasekara</i>	
15.00 - 15.15	ICSD 107	DESIGN AND DEVELOPMENT OF AN AUTOMATED REGULAR TIME WATERING SYSTEM AND FEASIBILITY ASSESSMENT FOR OUTDOOR APPLICATIONS. <i>A.M. Pindenya, I.W. Kularathne</i>	
15.15 - 15.30	ICSD 130	CHARACTERIZATION OF PHYSICOCHEMICAL PARAMETERS AND , ORGANOLEPTIC ASSESSMENT FOR THE AUTHENTICATION OF SRI LANKAN BEE HONEY AND OPTIMIZATION OF A METHODOLOGY FOR POLLEN DNA EXTRACTION <i>W.G. Dinushi, G.M. Somaratne, P.P.A.J. Rathnayake, B.A.D.H. Beligala</i>	
15.30 - 15.45	ICSD 333	DEVELOPMENT AND STANDARDIZATION OF LOCALLY AVAILABLE SOY (GLYCINE MAX) BASED PASTA <i>H.D.T.P. Hapuarachchi, R. Liyanage</i>	

15.45 - 16.00	ICSD 140	<p>SUGARCANE YIELD AND FIELD BRIX VALUE PREDICTION THROUGH MACHINE LEARNING ALGORITHMS USING UAV-BASED MULTISPECTRAL IMAGERY</p> <p><i>U.W.L.M Kumarasiri, B. R. Kulasekara, M.A.T. Tharika, C. Gunathilake</i></p>
16.00 - 16.15	ICSD 271	<p>THE EFFECT OF ULTRASOUND-ASSISTED NATURAL DEEP EUTECTIC SOLVENTS (NADES), CONVENTIONAL EXTRACTION SOLVENTS, AND THE BANANA VARIETY ON THE TOTAL PHENOLIC CONTENT, TOTAL FLAVONOID CONTENT, AND ANTIOXIDANT ACTIVITY OF BANANA PEELS FROM FOUR VARIETIES OF BANANAS IN SRI LANKA</p> <p><i>R.A.M.N. Pabasarani, WDSS Pemasinghe, PMHD Pathiraje</i></p>
16.15 – 16.30	ICSD 272	<p>ASSESSING THE VIABILITY AND ADOPTION BARRIERS OF ECO-FRIENDLY PRODUCTION METHODS IN AGROINDUSTRY: A SYSTEMATIC REVIEW</p> <p><i>H.A.T.N. Perera, O.D.I.P. Dissanayake , G.Y. Jayasinghe</i></p>

16th March 2024			
Room 2 (Hybrid)/ Session 04			
Invention and Innovation - Agriculture			
Join Zoom Meeting	https://us06web.zoom.us/j/84958570307?pwd=evwRhWkjvXTQ0iYpz6YSNKWxXd0Da.1		
	Meeting ID: 849 5857 0307		
	Passcode: 257861		
Session Chair 1	Dr. Rumesh Liyanage	Session Coordinator 1	Ms. Isuri Gunasiri
Session Chair 2	Dr. Chathuri Senanayake	Session Coordinator 2	Ms. Monasha Chathubhashi
Time	Paper ID	Title	
16.30 - 16.45	ICSD 021	PROBIOTIC DRINKING YOGHURT PRODUCTION INCORPORATE WITH FERMENTED COCONUT WATER <i>Mohammed Sathir.W, Fathima Jemziya. M.B, Simmaky. S</i>	
16.45 - 17.00	ICSD 207	RECESSION PROOF HEALTHY ONE-DISH MEALS (ODMs) FOR UNIVERSITY CANTEENS <i>K.A.R.N. Kavindi, G.M.S Sarap, MSF Sirasa , I.P.M Wickramasinghe, G.A.P Chandrasekara</i>	
17.00 - 17.15	ICSD 209	SENSORY ATTRIBUTES AND ANTIOXIDANT ACTIVITIES OF NATURAL FRUITS- FLAVORED GREEN AND BLACK TEAS <i>N.M.D.D. Sahani, S. Ramalingam, G.A.P Chandrasekara</i>	
17.15 - 17.30	ICSD 076	FORMULATING INNOVATIVE CINNAMON TEA PRODUCTS FOR ENHANCED VALUE OF CEYLON CINNAMON <i>K.M.S.A.K. Dehideniya, K. S Gunasekera, M.A.E.K Jayasinghe, R.K.C JeewanthI, D.A.M De Silva</i>	
17.30 - 17.45	ICSD 304	VALUE ADDITION OF SEAWEED (<i>Kappaphycus alvarezii</i>) AS A HIGH NUTRITIONAL COOKIE FOR ASTRONAUTS <i>J.M.U.S. Wijenayake , W.A.P. Kumara</i>	
17.45 - 18.00	ICSD 227	THE EFFECT OF WOOD PRESERVATIVE UPTAKE FOR ORGANIC WOOD PRESERVATIVES BY DIPPING DIFFUSION METHOD <i>Iresha S. Hewage, , M.S. Mendis, C.K.Muthumala, R.U.Halwatura</i>	
18.00 - 18.15	ICSD 048	DEVELOPMENT OF CASHEW RICH ICE CREAM: ICE CREAM INCORPORATED WITH CASHEW NUT MILK (<i>Anacardium occidentale</i>) <i>B..Nishananthy, S..Piratheepan, V..Kalaivizhi</i>	

18.15 - 18.30	ICSD 049	DEVELOPMENT OF ALOE VERA (<i>Aloe barbadensis miller</i>) AND KITHUL (<i>Caryota urens</i>) Treacle-Incorporated Curd from Cow Milk <i>W.D.I.P..Jayaweera, S..Piratheepan , V..Kalaivizhi</i>
18.30 – 18.45	ICSD 061	DEVELOPMENT OF A COTTAGE CHEESE INCORPORATED WITH CARROT (<i>Daucus carota</i>) POWDER <i>R. Thulasy, S..Piratheepan, V..Kalaivizhi, B..Eswaran</i>

16th March 2024			
Room 3 (Online)/ Session 01			
Agroindustry's Trends, Patterns, and Developmental Impacts			
Join Zoom Meeting	https://us06web.zoom.us/j/87327624270?pwd=KgR6ZRXYdt4dZH0WNKRf4iVywZDOA.1		
	Meeting ID: 873 2762 4270		
	Passcode: 194303		
Session Chair 1	Dr. Surani Chaturika	Session Coordinator 1	Ms. Nayanathara Jayasinghe
Session Chair 2	Dr. Sewwandhi Chandrasekara	Session Coordinator 2	Ms. Sadeepa Dinali
Session Chair 3	Dr. Nipuna U. Perera		
Time	Paper ID	Title	
8.30 - 8.45	ICSD 024	THE EFFECT OF FRONT OF FRONT-OF-PACK LABEL INTENTION ON PURCHASE INTENTION OF BISCUITS: A CASE OF TRAFFIC LIGHT SYSTEM <i>T.N.E. Liyanapathirana, D.A.M. De Silva</i>	
8.45 - 9.00	ICSD 028	IMPACT ASSESSMENT OF WILD ANIMALS ON CROP YIELD IN PAHALA LENAGALA AREA OF KEGALLE DISTRICT, SRI LANKA <i>W.D.S. Lankapathi</i>	
9.00 - 9.15	ICSD 037	STUDY ON EFFECTIVENESS OF DIFFERENT ORGANICALLY DERIVED NUTRIENT SOLUTIONS FOR HYDROPONIC SPINACH CULTIVATION <i>W.D.S. Chamodya, and V. Vijitha,</i>	
9.15 - 9.30	ICSD 039	THE IMPACT OF FRESH MEAT VALUE CHAINS ON URBAN AND PERI-URBAN FOOD NUTRITION SECURITY: A CASE STUDY OF FRESH MEAT VALUE CHAIN <i>K.S. Weerakoon, D.A.M. De Silva</i>	
9.30 - 9.45	ICSD 047	THE IMPACT OF BRAND AMBASSADORS ON CONSUMER PURCHASING INTENTION: A COMPARATIVE STUDY BETWEEN TWO LEADING BRANDS OF INSTANT NOODLES IN SRI LANKA BY ANALYZING THE PRESENCE AND ABSENCE OF BRAND AMBASSADORS <i>M.I.S. Ihalapathirana , D.A.M. De Silva</i>	
9.45 - 10.00	ICSD 072	A REVIEW ON CLIMATE RESILIENT BIODEGRADABLE RAIN COVERS AS A CLIMATE ADAPTATION STRATEGY FOR VEGETABLE PRODUCTION <i>P.K.K. Perera, H.P.D.D. Gangana, H.L.R.D. Silva, G.D.I. Samarasekara, W.K.A.T. Karunarathna, K.G.N.N. Kodithuwakku, T.A.N.T. Perera</i>	

10.00 - 10.15	ICSD 099	RIDGE AND FURROW RAINWATER HARVESTING SYSTEM WITH, DURABLE PLASTIC FILM FOR GROUNDNUT PRODUCTION IN DRY AREAS OF SRI LANKA: A SYSTEMATIC LITERATURE REVIEW <i>I.G.H.I. Jayakody, P.N.H.S. Rajakaruna, A. J. Elvitigala, P.H.N.M. Wickramasinghe, J. Inthujan, T.A.N.T. Perera</i>
10.15 - 10.30	ICSD 229	THE EFFECT OF NON-TARIFF MEASURES ON TOP TEN AGRICULTURAL EXPORTS OF SRI LANKA <i>W.G.C.D.K. Wedage, D.A.M. De Silva</i>

16th March 2024			
Room 3 (Online)/ Session 02			
Agroindustry's Trends, Patterns, and Developmental Impacts			
Join Zoom Meeting	https://us06web.zoom.us/j/87327624270?pwd=KgR6ZRXYMYdt4dZH0WNKRf4iVywZDOA.1		
	Meeting ID: 873 2762 4270 Passcode: 194303		
Session Chair 1	Dr. Udayagee Kumarasingha	Session Coordinator 1	Ms. Nayanathara Jayasinghe
Session Chair 2	Dr. Priyanga Kariyawasam	Session Coordinator 2	Ms. Sadeepa Dinali
Time	Paper ID	Title	
11.00 - 11.15	ICSD 284	IMPACT OF RAINFALL ON PRODUCTIVITY OF SMALL-SCALE VEGETABLE FARMERS: A CASE OF LOW COUNTRY DRY ZONE <i>W.H. Iroshan, D.A.M. DE Silva</i>	
11.15 - 11.30	ICSD 220	FACTORS AFFECTING SUGARCANE PRODUCTION OF LOW COUNTRY DRY AND INTERMEDIATE ZONES OF SRI LANKA <i>R.A.M.Chandana , D.G.M.Dharmarathna</i>	
11.30 - 11.45	ICSD 267	DIGITAL MARKETING STRATEGIES FOR REDUCE POST HARVEST LOSSES DUE TO CLIMATE CHANGES IN SRI LANKA: A REVIEW <i>K.S.D. Walallavita, A.P.L.W. Samarathunga, K.D. Thiloshana, T. Kugasayan, E.G.R.A. Jayasekara, E.M.I.D. Shamika, A.A.S. Mihinatha, T.A.N.T Perera</i>	
11.45 - 12.00	ICSD 055	POST EVALUATION OF OPERATIONAL PERFORMANCE OF COMPOST PROJECTS OF LOCAL AUTHORITIES <i>L G T Dinushika, M Jayaweera</i>	
12.00 - 12.15	ICSD 248	A COMPARISON OF THE SUSTAINABILITY OF THERMAL, HIGH PRESSURE, AND UV MILK PASTEURIZATION TECHNOLOGIES USING MULTI-CRITERIA DECISION MAKING <i>J.A.L.W. Gunathilaka, C.J. Gamlath, T.A. Bandara</i>	
12.15 - 12.30	ICSD 259	DESIGN AND DEVELOPMENT OF A MODULE FOR SMART ANDROID BASED APPLICATION TO FACILITATE EXTENSION AND ADVISORY SERVICES AMONG SUGARCANE GROWERS IN MONARAGALA DISTRICT <i>Rathnayake K.M.K.I., Chandana R.A.M., Ayesha S.W.R.A.P., Prasanna T.LJ.</i>	

12.30 - 12.45	ICSD 152	OPTIMIZING NITROGEN ENRICHMENT IN INDUSTRIAL COMPOST PRODUCTION THROUGH <i>Azotobacter</i> spp. INOCULATION: A CASE STUDY IN SRI LANKA <i>Sanduni Ishara, Sajani H. Kolambage, Uvin Eksith Senadheera, Pradeep Gajanayake, K.P.P. Udayagee, Jasinth Jayasanka, Y.G.D.P. Wijewardana</i>
12.45 - 13.00	ICSD 074	DEVELOPMENT OF GLUTEN-FREE PURPLE YAM (<i>Dioscorea alata</i> L.) AND RICE FLOUR BLEND COOKIES <i>Robinsana R , Thayalini T , Rajeetha J and Nivetha R</i>

16th March 2024			
Room 3 (Online)/ Session 03			
Invention and Innovation - Engineering Technology			
Join Zoom Meeting	https://us06web.zoom.us/j/87327624270?pwd=KgR6ZRXYdt4dZH0WNKRf4iVywZDOA.1		
	Meeting ID: 873 2762 4270		
	Passcode: 194303		
Session Chair 1	Dr. Anongrit Kangrang	Session Coordinator 1	Ms. Nayanathara Jayasinghe
Session Chair 2	Dr. Chathurika Sewwandi Silva	Session Coordinator 2	Ms. Sadeepa Dinali
Time	Paper ID	Title	
14.15 - 14.30	ICSD 029	SELF-NAVIGATION INTERFACE SYSTEM IN COMPLEX BUILDINGS USING MICROCONTROLLER <i>A.R.M. Raafeek, A. Kunaraj, J. Joy Mathavan</i>	
14.30 - 14.45	ICSD 238	REAL-TIME SMART METERING FOR ENHANCED DEMAND MANAGEMENT <i>G Alfered Canistus, I W B Wickramage</i>	
14.45 - 15.00	ICSD 281	ADVANCING RAILWAY SAFETY: THE RAILWAY TRACKS CHECKING ROVER <i>G G S V Kalhara, G Alfered Canistus</i>	
15.00 - 15.15	ICSD 287	INTEGRATED REAL-TIME MONITORING AND SAFETY SYSTEM FOR LPG GAS USAGE IN HOUSEHOLD ENVIRONMENTS <i>R K Amal, K G C Karunathilaka, A R M Raafeek, G Alfered Canistus</i>	
15.15 - 15.30	ICSD 289	REVOLUTIONIZING LANDMINE DETECTION: THE METAL AND BOOM DETECTING ROBOTIC SYSTEM <i>R Atiyanpan, H P V N R Sumanasena, A R M Raafeek, G Alfered Canistus</i>	
15.30 - 15.45	ICSD 251	DESIGN AND MODIFY A MOTOR DRIVEN COCONUT DE-HUSKING MACHINE <i>G.A.H.K.M Gamlath, W.P.M Perera, M.T.U. D Mallikarathne, G. Gunananthan, M.N.M Nasir</i>	

16th March 2024			
Room 3 (Online)/ Session 04			
Invention and Innovation - Engineering Technology			
Join Zoom Meeting	https://us06web.zoom.us/j/87327624270?pwd=KgR6ZRXYMYdt4dZH0WNKRf4iVywZDOA.1		
	Meeting ID: 873 2762 4270		
	Passcode: 194303		
Session Chair 1	Dr. K. S. Kasun Weranga	Session Coordinator 1	Ms. Nayanathara Jayasinghe
Session Chair 2	Dr. Udara Mutugala	Session Coordinator 2	Ms. Sadeepa Dinali
Time	Paper ID	Title	
16.30 -16.45	ICSD 290	ENHANCING LOCKER SECURITY: A PIC16F877A MICROCONTROLLER-BASED AUTHENTICATION AND DETERRENT SYSTEM <i>P Mathitharan, U H M Weerasingha, A R M Raafeek, G Alfered Canistus</i>	
16.45 -17.00	ICSD 291	ADVANCING RAILWAY SAFETY: AUTOMATED CONTROL SYSTEM WITH PIC16F877A MICROCONTROLLER <i>A T M Thilhath, M Akakkeeran, A R M Raafeek, G Alfered Canistus</i>	
17.00 - 17.15	ICSD 102	EXPLORING A GENERATIVE AI PARADIGM TO REVOLUTIONIZE DESIGN AND PRODUCTION IN THE BATIK FASHION INDUSTRY <i>OGYN Gamlath, WCC Premarathna</i>	
17.15 - 17.30	ICSD 247	INVESTIGATING IMPROVEMENT OF DOUBLE TUBE HEAT EXCHANGER EFFICIENCY USING NANOFLUIDS <i>R.M.R.T. Bandara, N. Fernando, N.M. Adassooriya</i>	
17.30 - 17.45	ICSD 066	NAVIGATING CHANGE: BRIEF OVERVIEW ON IFRS S2 AND SRI LANKAN REPORTING SYSTEM <i>Liyanage S.I.M.</i>	

16th March 2024			
Room 4 (Online)/ Session 01			
University-Industry Partnerships for Sustainable Development			
Join Zoom Meeting	https://us06web.zoom.us/j/84562076193?pwd=vxxQAJ4SVLpxDhkvjEV7AbMG0Z7Umk.1		
	Meeting ID: 845 6207 6193		
	Passcode: 860615		
Session Chair 1	Dr. Sarita Jane Robinson	Session Coordinator 1	Mr. Malith Sandeepa
Session Chair 2	Prof. Jörgen Sparf	Session Coordinator 2	Ms. Sajani Kolambage
Time	Paper ID	Title	
8.30 - 8.45	ICSD 069	IMPROVE MECHANICAL AND PHYSICAL PROPERTIES OF THE MUD CONCRETE BLOCK USING TEXTILE WASTE <i>W.A.C.D. Weerasingha, R.K.N.P. Piyasena, R.M.K.M. Rathnayake, G.D.M. Yasara, A.P.L.S. Vaas, R.U. Halwatura</i>	
8.45 - 9.00	ICSD 132	THE EFFECT OF PARTICLE SIZE ON HYDROLYSIS KINETICS OF FOOD WASTE <i>P.S.S. Jayathilake, S.M.W.T.P.K. Ariyaratna</i>	
9.00 - 9.15	ICSD 211	A CONCEPTUAL FRAMEWORK TO DEVELOP MARKET AND INDUSTRY- ORIENTED CEYLON CINNAMON- INCORPORATED PET FOOD PRODUCTS: A NATIONAL UNIVERSITY EXPERIENCE <i>K.M.S.A.K. Dehideniya, J.M.U.S. Wijenayake, R.K. Mutucumarana, D.A.M. De Silva</i>	
9.15 - 9.30	ICSD 053	UNIVERSITY STUDENTS' PERCEIVED EFFECTIVENESS AND SATISFACTION REGARDING THE INDUSTRIAL TRAINING PROGRAM: A CASE STUDY AT SABARAGAMUWA UNIVERSITY OF SRI LANKA <i>U.B.E. Sasanka</i>	
9.30 - 9.45	ICSD 201	A COMPREHENSIVE STRATEGY FOR ENHANCING UNIVERSITY-INDUSTRY SYNERGY THROUGH INCUBATOR AND ACCELERATOR PROGRAMS CATALYZING INNOVATION AND GROWTH IN SRI LANKA'S AGRO-INDUSTRY SMALL AND MEDIUM-SIZED ENTERPRISES <i>W.H.H.N. De Soysa, A.P. Abeyratne, P.S. Gajanayake</i>	
9.45 - 10.00	ICSD 283	A SYSTEMATIC REVIEW OF UNIVERSITY-INDUSTRY RESEARCH COLLABORATION ON DIGITAL TWIN IMPLEMENTATION IN PRECISION AGRICULTURE <i>W.A.D.C.S. Perera, T.A.N.T. Perera, G.Y. Jayasinghe</i>	

10.00 - 10.15	ICSD 004	AGRO-INDUSTRY FRONTIERS: UNIVERSITY-INDUSTRY COLLABORATION MODELS AND INNOVATION PATHWAYS – A DUAL PERSPECTIVE FROM SRI LANKA AND EUROPE <i>D.S.Wickramasinghe, Prof. G.Y. Jayasinghe</i>
10.15 - 10.30	ICSD 108	HOW DOES FINANCIAL LITERACY EFFECT ON PERFORMANCE OF SMALL AND MEDIUM SIZED ENTERPRISES OF SRI LANKA <i>G.G.K.Janithri, U.S. Thathsarani, Z..Y.Medin</i>

16th March 2024			
Room 4 (Online)/ Session 02			
Invention and Innovation - Agriculture			
Join Zoom Meeting	https://us06web.zoom.us/j/84562076193?pwd=vxxQAJ4SVLpxDhkvjEV7AbMG0Z7Umk.1		
	Meeting ID: 845 6207 6193		
	Passcode: 860615		
Session Chair 1	Dr. K.R.E. Padmathilake	Session Coordinator 1	Mr. Malith Sandeepa
Session Chair 2	Dr. Pradeep Gajanayake	Session Coordinator 2	Ms. Sajani Kolambage
Time	Paper ID	Title	
11.00 - 11.15	ICSD 022	DETERMINATION OF THE BEST POLLEN EXTRACTION METHOD FOR BRINJAL HYBRID SEED PRODUCTION UNDER POLYTUNNEL (<i>Solanum melongena</i> L.) <i>Mihiri. L. Dissanayake, G.M.W. Chithral, K. Varnika, D. Sumith de Z. Abey Siriwardena, W.S. Priyantha</i>	
11.15 - 11.30	ICSD 312	DESIGN AND DEVELOPMENT OF A MACHANISM FOR RICE BUBBLE TRAY (PARACHUTE) SEEDLING TRANSPLANTING <i>M. M. P. M. Marasinghe, H. K. P. P. Kariyawasam</i>	
11.30 - 11.45	ICSD 094	REVIEWING IDEAL RICE TRAITS FOR CLIMATE CHANGE ADAPTATION IN SRI LANKA <i>P.M.M Peiris, R.M.Y. K Rathnayake, M.F Nifla, H.M.Y.L Herath, T.A.N.T Perera</i>	
11.45 - 12.00	ICSD 217	UREA-BASED NANOCOCRYSTALS AS A NITROGEN SOURCE IN AGRICULTURE <i>E.M.B.M Ekanayake, N.H Madanayake, N.M Adassooriya</i>	
12.00 - 12.15	ICSD 231	UREA:4-HYDROXYBENZOIC ACID COCRYSTAL AS A SUSTAINED RELEASE NITROGEN SOURCE IN AGRICULTURE <i>Walpala M.D.M, N.H. Madanayake, N.M. Adassooriya</i>	
12.15 - 12.30	ICSD 051	INVESTIGATION ON EFFICACY OF DIFFERENT LEAF EXTRACTS AS SEED COATING AGENTS <i>Thanganila, T, Vijitha, V, Anchanadevi, S.</i>	

16th March 2024			
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Invention and Innovation - Agriculture			
Join Zoom Meeting	https://us06web.zoom.us/j/84562076193?pwd=vxxQAJ4SVLpxDhkvjEV7AbMG0Z7Umk.1		
	Meeting ID: 845 6207 6193		
	Passcode: 860615		
Session Chair 1	Dr. Anura I. Sirisena	Session Coordinator 1	Mr. Malaith Sadeepa
Session Chair 2	Dr. Nishanka Jayasiri	Session Coordinator 2	Ms. Sajani Kolambage
Time	Paper ID	Title	
14.15 - 14.30	ICSD 316	DETECTION OF WELIGAMA WILT DISEASE IN COCONUT USING MULTISPECTRAL IMAGES FROM UNMANNED AERIAL VEHICLE (UAV) AND OBJECT-BASED IMAGE CLASSIFICATION <i>H.D.M.U Wijesinghe, K.M.C.Tharupath, G.Y. Jayasinghe</i>	
14.30 - 14.45	ICSD 032	DEVELOPMENT OF AN ORGANIC FUNGICIDE AGAINST TO <i>Sclerotium rolfsii</i> FROM LEAF EXTRACTS OF <i>Diospyros malabarica</i> <i>N.G.K.G.T. Narampanawa, S. Thanusan, B.P.A. Jeyaweera</i>	
14.45 - 15.00	ICSD 225	IMPACT OF TREE TO TREE YIELD VARIATION OF <i>Hevea brasiliensis</i> RUBBER CLONE RRI SL 203: A CASE STUDY IN MAPALANA (WL 2) – SRI LANKA <i>K.M.A. Gunawardena, I.R. Palihakkara, S.P. Withanage</i>	
15.00 - 15.15	ICSD 269	DURABILITY ASSESSMENT OF PLANT HOUSES CONSTRUCTED WITH TWO DIFFERENT BAMBOO SPECIES <i>Hasanthi H.A.M, Palihakkara I.R</i>	
15.15 - 15.30	ICSD 148	DATA-DRIVEN REVOLUTION: LEVERAGING UAVS AND MACHINE LEARNING FOR HIGH-THROUGHPUT PHENOTYPING AND YIELD PREDICTION IN SRI LANKAN SUGARCANE INDUSTRY <i>Rathnayake K.M.K.I., Chandana R.A.M., Ayesha S.W.R.A.P., Prasanna T.L.J., De Silva S.H.N.P.</i>	
15.30 - 15.45	ICSD 336	MAPPING AGROINDUSTRY DYNAMICS: TRENDS, PATTERNS, AND DEVELOPMENTAL IMPACTS IN DEVELOPING COUNTRIES <i>M.C. Karunadasa, W.G.M. Randika, S.M.S.N. Senanayake, G.Y. Jayasinghe</i>	

17th March 2024			
Room 1 (Hybrid)/ Session 01			
Student Employability			
Join Zoom Meeting	https://us06web.zoom.us/j/89031818716?pwd=CyGU2yQCRD2GVp3zBGCg5rJCNZ7nbk.1		
	Meeting ID: 890 3181 8716		
	Passcode: 211245		
Session Chair 1	Assoc. Prof. Arlyne G. Marasigan	Session Coordinator 1	Mr. Hashan Thilakarathne
Session Chair 2	Dr. Prabath Priyankara	Session Coordinator 2	Ms. Thilaksha Ukwatte
Session Chair 3	Dr. Prabhani Pitigala Liyanage		
Time	Paper ID	Title	
8.30 - 8.45	Key Lecture –ICSD 293	ENHANCING STUDENT EMPLOYABILITY: STRATEGIES, CHALLENGES, AND BEST PRACTICES <i>V.Varghese, A.M.Badar, M.N.Umare, P.U.Bisen , S.R Satone</i>	
8.45 - 9.00	ICSD 141	IMPACT OF STUDENT EMPLOYABILITY ON POVERTY REDUCTION IN A COUNTRY; WITH APEICAL REFERENCE TO SANASA CAMPUS <i>EEHS Sumudumali</i>	
9.00 - 9.15	ICSD 142	ANALYSIS OF SOFT SKILLS REQUIRED FROM FRESHLY GRADUATED SRI LANKAN CONSTRUCTION PROFESSIONALS: IN REFERENCE TO CONSTRUCTION INDUSTRY IN SRI LANKA, UNITED ARAB EMIRATES AND SAUDI ARABIA <i>Amarasooriya N.B and Dharmawardhana B.C</i>	
9.15 - 9.30	ICSD 302	EMPLOYABILITY OF GRADUATES OF SRI LANKAN UNIVERSITIES: A SYSTEMATIC REVIEW <i>O. J. Peiris, D.S. Nadeesha, A.G. Fernando, A. Aufer</i>	
9.30 - 9.45	ICSD 318	THE BIDIRECTIONAL RELATIONSHIP BETWEEN STUDENT EMPLOYABILITY AND MENTAL HEALTH: EXPLORING THE IMPACT OF UNEMPLOYABILITY AMONG SRI LANKAN STATE UNIVERSITY STUDENTS <i>T Y Kekulandala, K N N Jayathilaka</i>	
9.45 - 10.00	ICSD 334	IMPORTANCE OF GRADUATES' EMPLOYABILITY AND ENTREPRENEURIAL SKILLS AMID THE UNEMPLOYMENT IN SRI LANKA. <i>T.S. Ukwatte, S.M.S.N. Senanayake, K.G.D.I.H. Thilakarathna, G.Y. Jayasinghe, C.S. Bandara, P.B.R. Dissanayake</i>	

10.00 - 10.15	ICSD 208	<p>THE STUDY OF EMPLOYER-CENTRIC GRADUATE EMPLOYABILITY IN SRI LANKA: A COMPREHENSIVE LITERATURE REVIEW</p> <p><i>W.W.M.S.G. Wanigasundara, G.Y. Jayasinghe</i></p>
10.15 - 10.30	ICSD 052	<p>EXPLORING AREAS TO NOURISH THE SEEDS OF SUCCESS: DETERMINANTS OF ENTREPRENEURIAL INTENTION OF FIRST YEAR AGRICULTURAL UNDERGRADUATE STUDENTS IN SRI LANKA</p> <p><i>U.B.E. Sasanka, R. Abhayarathne, S.S. Kodithuwakku</i></p>
10.30 - 10.45	ICSD 121	<p>AUTOMATED SOLUTION FOR RESUME ANALYSIS USING MACHINE LEARNING</p> <p><i>R.M.C.D.K. Rathnayake, R.M.K.G.K. Rathnayake, K.A.E. Dhanushka, M.T.U.D. Mallikarathne, B.L.S. Thilakarathne</i></p>
10.45 – 11.00	ICSD 127	<p>UNDERGRADUATES' EXPECTATIONS FOR INTERNSHIP PROGRAM: A CASE STUDY FOR BSC HONOURS IN AGRIBUSINESS MANAGEMENT DEGREE IN THE FACULTY OF AGRICULTURE, UNIVERSITY OF RUHUNA</p> <p><i>W.A.L.P. Madhushika, A.L. Sandika, W.M.C.J. Wijekoon</i></p>

17th March 2024			
Room 1 (Hybrid)/ Session 02			
SECRA/ FOUNTAIN			
Join Zoom Meeting	https://us06web.zoom.us/j/89031818716?pwd=CyGU2yQCRD2GVp3zBGCg5rJCNZ7nbk.1		
	Meeting ID: 890 3181 8716		
	Passcode: 211245		
Session Chair 1	Asst. Prof. Maria Rhodora R.	Session Coordinator 1	Mr. Hashan Thilakarathne
Session Chair 2	Asst. Prof. Panu Buranajarukorn	Session Coordinator 2	Ms. Thilaksha Ukwatte
Time	Paper ID	Title	
11.00 - 11.15	ICSD 109	A RAPID REVIEW OF INTERVENTIONS WHICH CAN ENHANCE EQUALITY, DIVERSITY, AND INCLUSION (EDI) IN UNIVERSITY-ENTERPRISE COLLABORATIONS <i>A. Carmichael, S. J. Robinson, A. Lad, C. L. Liyanage</i>	
11.15 - 11.30	ICSD 317	POLICY DIALOGUE AS A COLLABORATIVE TOOL FOR DISASTER RESILIENCE: INSIGHTS FROM PROJECT SECRA <i>U.T.G Perera , R Haigh, D Amaratunga</i>	
11.30 - 11.45	ICSD 324	ASSESSING UNDERGRADUATE PERCEPTIONS ON UNIVERSITY INDUSTRYCOLLABORATION IN SRI LANKA <i>M.M.S.T. Jayamali, K.M.C. Tharupath, G.Y. Jayasinghe</i>	
11.45 - 12.00	ICSD 325	ON FOSTERING SUSTAINABLE UNIVERSITY-INDUSTRY TECHNO- ENTREPRENEURIAL COLLABORATIONS AND INNOVATIONS IN ASIAN UNIVERSITIES <i>M.M.S.T.Jayamali, E.R.M.S.Ekanayake ,K.M.C.Tharupath, K.D.N. Weerasinghe, H.L. Obeyesekera, G.Y.Jayasinghe</i>	
12.00 - 12.15	ICSD 337	SOCIAL LIFE CYCLE ASSESSMENT: A NOVEL PERSPECTIVE TO ASSESS THE INDIRECT SOCIAL IMPACTS OF A DISASTER <i>D. Lythgoe</i>	
12.15 - 12.30	ICSD 338	ARE UNIVERSITIES ADEQUATELY SHOWCASING THEIR UNIVERSITY-INDUSTRY COLLABORATIONS TO HELP STUDENTS MAKE THEIR CHOICE OF HIGHER EDUCATION? <i>M. Arunmugan, W.M.C.J. Wijekoon</i>	

17th March 2024	
Room 1 (Hybrid)/ Session 03	
International Pitching Competition - 2024	
Join Zoom Meeting	https://us06web.zoom.us/j/89031818716?pwd=CyGU2yQCRD2GVp3zBGCg5rJCNZ7nbk.1
	Meeting ID: 890 3181 8716
	Passcode: 211245
	Time 14.30 – 18.30
Time	Description
14:00 – 14.15	Registration
14.15 – 14.30	Preliminaries and National Anthem
14.30 – 14.35	<p>Introduction of the panel of judges</p> <ol style="list-style-type: none"> 1. (Mid-Sweden University) Dr. Evangelia Petridou 2. (Mid-Sweden University) Dr. Jörgen Sparf 3. (University of Ruhuna) Prof. (Emeritus) K.D.N. Weerasinghe 4. (University of Ruhuna) Prof. Guttula Y. Jayasinghe 5. (University of Central Lancashire) Dr. Champika Liyanage 6. (University of Peradeniya) Prof. Roshan D. Yapa 7. Mr. Dammika Marasinghe - Associate Technical Lead, Maturify 8. Mr. Chandula Abeywikrama - Founder Chairman, National Advisory Board for Impact Investing Sri Lanka
14.35 – 14.45	Overview of guidelines and criteria
14.45 – 15.25	IPC - First 5 contestants' presentations
15.25 – 15.30	Video break
15.30 – 16.10	IPC - Second 5 contestants' presentations
16.10 – 16.25	Tea break
16.25 – 17.05	IPC - Third 5 contestants' presentations
17.05 – 17.25	Open forum and announcing winners & awarding
17.25 -17.30	Vote of thanks – Ms. Sadeesha Senanayake

17th March 2024			
Room 2 (Hybrid)/ Session 01			
Invention and Innovation - Sustainable Environment/ Sustainable Construction/ Waste Management			
Join Zoom Meeting	https://us06web.zoom.us/j/84958570307?pwd=evwRhWkjvbXTQ0iYpz6YSNKWxXd0Da.1		
	Meeting ID: 849 5857 0307		
	Passcode: 257861		
Session Chair 1	Assoc. Prof. Krit Chaimoon	Session Coordinator 1	Ms. Isuri Gunasiri
Session Chair 2	Dr. Ganila Paranavithana	Session Coordinator 2	Ms. Monasha Chathubhashi
Session Chair 3	Dr. Ajith Thambo		
Time	Paper ID	Title	
8.30 - 8.45	Key paper – ICSD 100	ADVANCING INFRASTRUCTURE INSPECTION WITH AI AND 3D DATA PLATFORM INTEGRATION FOR IMPROVED DAMAGE ASSESSMENT AND ENHANCED MODELING <i>Pang-jo Chun, Tatsuro Yamane, Shreejan Maharjan</i>	
8.45 - 9.00	Key paper –ICSD 001	ASSESSMENT OF THE RELATIONSHIP BETWEEN WOOD DENSITY AND TREATABILITY OF Khaya senegalensis WOOD <i>C. K. Muthumala, G. Y. Jayasinghe</i>	
9.00 - 9.15	ICSD 124	A METHODOLOGICAL STUDY OF LIFE CYCLE ASSESSMENT <i>C.Y.S. Fernando, N. Satanarachchi</i>	
9.15 - 9.30	ICSD 303	REFINED WASTE TIRE PYROLYSIS CHAR FOR MASTER BATCH AND PLASTIC INDUSTRY <i>D.M.D.A. De Zoysa, C.R. Manuel, J.S. Hewage, A.S. Ranaweera</i>	
9.30 - 9.45	ICSD 241	FLUORIDE REMOVAL FROM WATER USING ACTIVATED CARBON DERIVED FROM BIOMASS; REVIEW <i>R.A.T Isuranaga, R.S.M Perera, C.S Kalpage</i>	
9.45 - 10.00	ICSD 031	THE IMPACT OF THE WORK ENVIRONMENT ON EMPLOYEES’ MENTAL SATISFACTION IN GREEN AND NON – GREEN APPAREL FACTORIES IN SRI LANKA <i>I.G.W.R. Jayaweera, N.D.I. Vithana, K.A.P.B.K. Arachchi</i>	

10.00 - 10.15	ICSD 043	<p>INVESTIGATING THE PRACTICALITY OF GREEN ROOF AS A HEAT MITIGATING TOOL FOR URBAN CONTEXT IN SRI LANKA</p> <p><i>L.M.N Gunathilaka, NDI Vithana</i></p>
10.15 - 10.30	ICSD 232	<p>TEXTILE DYE REMOVAL FROM WASTEWATER BY BIOLOGICAL METHODS; A REVIEW</p> <p><i>R.S.M Perera and C.S Kalpage</i></p>
10.30 - 10.45	ICSD 264	<p>STRENGTH ENHANCEMENT OF LIMESTONE AGGREGATE CONCRETE PRODUCED WITH FLY ASH IN PARTIAL SUBSTITUTION OF CEMENT IN NORTHERN PROVINCE CONSTRUCTION</p> <p><i>S.Kartheepan, Chaminda S. Bandara, Thushara Priyadarshana</i></p>

17th March 2024			
Room 2 (Hybrid)/ Session 02			
Blended Learning			
Join Zoom Meeting	https://us06web.zoom.us/j/84958570307?pwd=evwRhWkjvbXTQ0iYpz6YSNKWxXd0Da.1		
	Meeting ID: 849 5857 0307		
	Passcode: 257861		
Session Chair 1	Prof. Valsson Varghese	Session Coordinator 1	Ms. Isuri Gunasiri
Session Chair 2	Associate Professor Darryl Roy T. Montebon	Session Coordinator 2	Ms. Monasha Chathubhashi
Session Chair 2	Dr. Pasan Banadara		
Time	Paper ID	Title	
11.00 - 11.15	Key Paper –ICSD 292	BLENDED LEARNING: A COMPREHENSIVE OVERVIEW OF STRATEGIES, BENEFITS, AND IMPLEMENTATION CHALLENGES <i>V.Varghese, S.Valsson</i>	
11.15 - 11.30	ICSD 006	COMBINING GLOBAL CITIZENSHIP EDUCATION WITH THE ENCOURAGEMENT OF INCLUSIVE ART REPRESENTATION <i>I.K Jayartne, S.N Hettige</i>	
11.30 - 11.45	ICSD 017	SUSTAINABILITY EDUCATION FOR TOURISM UNDERGRADUATES: ASSESSING THE IMPACT OF INCORPORATING A SUSTAINABLE TOURISM MODULE ON STUDENT LITERACY <i>J. Iddawala, M.M.M. Shaja, C.G. Yapa</i>	
11.45 - 12.00	ICSD 027	FACTORS AFFECTING THE INTENTION TO ADAPT MOBILE LEARNING AMONG UNDERGRADUATES IN SRI LANKA <i>Judith Harriet Francke</i>	
12.00 - 12.15	ICSD 036	STUDY OF STUDENTS UNDERSTANDING ON BLENDED LEARNING FOR PHYSICS F ORTECHNOLOGY LABORATORY <i>T.T. Chithrananda , A. K. Jeewandara</i>	
12.15 - 12.30	ICSD 077	THE EFFECTS OF USING BLENDED LEARNING IN ENGLISH AS A SECOND LANGUAGE CLASSROOM <i>S.A W.M.T.T. Sooriyampola</i>	

12.30 - 12.45	ICSD 222	TRANSFORMING SRI LANKA'S IT EDUCATION WITH ONLINE ASYNCHRONOUS LEARNING <i>B. Karunaratne, V. Nanayakkara, M. Ranasinghe, E.N. Ranasinghe, D.L. Thoradeniya</i>
12.45 - 13.00	ICSD 277	IMPACT ON MUSIC ON COMPETENCE OF STUDY ON UNDERGRADUATES IN COLOMBO DISTRICT, SRI LANKA <i>D. S. Nadeesha , J.N. Narsim, K.Nirmal, D. T. Rajarathne</i>
13.00 - 13.15	ICSD 268	TEACHERS' READINESS IN BLENDED LEARNING: SRI LANKAN EXPERIENCE AMID COVID-19 <i>R. Vivekanantharasa</i>

17th March 2024			
Room 2 (Hybrid)/ Session 03			
Invention and Innovation - Engineering Technology			
Join Zoom Meeting	https://us06web.zoom.us/j/84958570307?pwd=evwRhWkjvbXTQ0iYpZ6YSNKWxXd0Da.1		
	Meeting ID: 849 5857 0307		
	Passcode: 257861		
Session Chair 1	Dr. Anongrit Kangrang	Session Coordinator 1	Ms. Isuri Gunasiri
Session Chair 2	Dr. Rohan Dassanayake	Session Coordinator 2	Ms. Monasha Chathubhashi
Time	Paper ID	Title	
14.15 - 14.30	Key paper – ICSD 096	DEVELOPING LAMINATED SHEETS USING POLYESTER AND LOW DENSITY POLYETHELENE <i>S.A.D.D. Sandarekha, A. Jeewandara, R.M.K.M. Rathnayake, K.G.N.H. Weerasinghe, G.D.M. Yasara, A.P.L.S. Vaas , R.U. Halwatura</i>	
14.30 - 14.45	Key Paper – ICSD 005	IMPROVEMENT OF THE PROPERTIES OF MYCELIUM-BASED BIO LEATHER WHICH GROWS ON THE RUBBER SAWDUST SUBSTRATE <i>R.M.R.A Rathnayake, A. Manipura</i>	
14.45 - 15.00	ICSD 026	A SYSTEMATIC REVIEW ON THE APPLICATION OF MAGNETIC GEARS IN THE AUTOMOTIVE INDUSTRY <i>N. Mithurshan, T. S. Niroshan</i>	
15.00 - 15.15	ICSD 297	COST-EFFECTIVE RANCIDITY ASSESSMENT IN FRYING OIL: A CUSTOM-BUILT MOBILE APP-INTEGRATED APPROACH FOR THE CATERING INDUSTRY IN SRI LANKA <i>P.D.P.C. Pussella , G.M. Somaratne, P.P.A.J. Rathnayake, M.A. Samarasekara, C.Y. Bandara, W.A.G.E. Wijelath , U.G.Y. Madusanka</i>	
15.15 - 15.30	ICSD 084	PHYSICO-MECHANICAL AND CHEMICAL CHARACTERIZATION OF CHITIN-BASED FORMULATION FOR DERMAL APPLICATIONS <i>N.L. Rathnasinghe, B.P.S. Rajapakshe, R.A. Jayasinghe, A.H.L.R. Nilmini, N. D.Tissera, R. N. Wijesena, G. Priyadarshana</i>	
15.30 - 15.45	ICSD 274	NANOADSORBENT COATED CLAY POT FOR DOMESTIC WATER TREATMENT APPLICATIONS <i>H.K.I.S Vishwajith, H.M.S Wasana, G.D.R.K Perera, Yuansong Wei, Nadeesh M. Adassooriya</i>	

15.45 - 16.00	ICSD 083	TRANSPORT OF DISSOLVED CONTAMINANT IN TEXTURALLY HETEROGENEOUS POROUS MEDIA <i>D.M.A.D. Dissanayake, T.K.K.C. Deepagoda</i>
16.00 – 16.15	ICSD 295	CONFINED NANOCRYSTALLIZATION OF GLYCINE IN CONTROLLED PORE GLASS (CPG) MATRIX <i>K.M.M.B. Chandrasekera, N.M. Adassooriya</i>

17th March 2024			
Room 2 (Hybrid)/ Session 04			
Small and Medium Entrepreneur/Challenges to Innovation and Invention/ Techno-Entrepreneurial Skills			
Join Zoom Meeting	https://us06web.zoom.us/j/84958570307?pwd=evwRhWkjvbXTQ0iYpZ6YSNKWxXd0Da.1		
	Meeting ID: 849 5857 0307		
	Passcode: 257861		
Session Chair 1	Dr. L.M.F. Adams	Session Coordinator 1	Ms. Isuri Gunasiri
Session Chair 2	Dr. Seshika Kariyapperuma	Session Coordinator 2	Ms. Monasha Chathubhashi
Time	Paper ID	Title	
16.30 - 16.45	ICSD 256	<p>BUSH FIRES AND ECOTOURISM: AN INNOVATIVE COMMUNITY-BASED COPING MECHANISM</p> <p><i>M.M.S.C. Senevirathne, D.A.M. De Silva, M.A.E.K. Jayasinghe, A.M.S.M.R.S.G. Bandara , T.S. Batuwaththa, M. Esham, E. Asimakopoulou, C.L. Liyanage, B. Walley, U.B.E. Sasanka</i></p>	
16.45 - 17.00	ICSD 330	<p>FACTORS AFFECTING ADOPTING ENTREPRENEURIAL INNOVATIONS DURING CRISIS; A CASE STUDY IN KURUNEGALA DISTRICT, SRI LANKA</p> <p><i>H.M. Pitigala, S.M.S.N. Senanayake, G.H.I.Anjalee</i></p>	
17.00 - 17.15	ICSD 075	<p>EVALUATING CUSTOMER PERCEPTIONS OF COMMERCIAL BOUILLON CUBES AND INNOVATIVE PRODUCT DEVELOPMENT TO MEET CONSUMER DEMANDS</p> <p><i>S.M.A.A. Senevirathna, K.G.L.R. Jayathunge , G.L.R. Prasanga</i></p>	
17.15 - 17.30	ICSD 012	<p>CUSTOMER'S PERSPECTIVE ON SUSTAINABLE BANKING IN SMALL AND MEDIUM SECTOR AND POTENTIAL TO DEVELOP SUSTAINABLE FINANCE PRODUCTS IN SRI LANKA</p> <p><i>W V Y Vidyani, N Morais , B Y H Seneviratne</i></p>	
17.30 - 17.45	ICSD 106	<p>THE IMPACT OF LEADERSHIP AND WORK MOTIVATION ON ORGANIZATIONAL PERFORMANCE</p> <p><i>Z.Yosief Medin , U.Shanika Thathsarani, Fowzia Akter</i></p>	

17th March 2024

Room 3 (Online)/ Session 01

Invention and Innovation - Sustainable Environment/ Sustainable Construction/ Waste Management

Join Zoom Meeting	https://us06web.zoom.us/j/87327624270?pwd=KgR6ZRXYdt4dZH0WNKRf4iVywZDOA.1		
	Meeting ID: 873 2762 4270		
	Passcode: 194303		
Session Chair 1	Asst. Prof. Nida Chaimoon	Session Coordinator 1	Ms. Nayanathara Jayasinghe
Session Chair 2	Dr. Deepachandi Lekamge	Session Coordinator 2	Ms. Sadeepa Dinali
Time	Paper ID	Title	
8.30 - 8.45	ICSD 063	SAFEGUARDING INTANGIBLE CULTURAL HERITAGE OF SRI LANKAN COATING TECHNOLOGY FOR A SUSTAINABLE FUTURE <i>R.M.K.M Rathnayake, R.U. Halwatura, W.K. Damindra Silva, D.S.P.C. Srinith</i>	
8.45 - 9.00	ICSD 058	EVALUATION OF REBOUND INDEX IN VARIOUS SPORTS GROUND AND THEIR IMPROVISATION (USING CRUMB RUBBER) <i>V.Mary Vithiya</i>	
9.00 - 9.15	ICSD 200	SELF-POWERED RAIN GAUGE FOR PRECISE RAIN MEASUREMENT AND SUSTAINABLE OPERATION <i>A.A.J.L.K Premadasa, S.D.M.P Satharasinghe, H.A.M.K Hettiarachchi, P.A.G.M Amarasinghe, J.L.K Jayasingha, K.R Wijewardhana</i>	
9.15 - 9.30	ICSD 310	AUTOMOBILE EMISSIONS MONITORING FOR POLLUTION CONTROL <i>I Lakshitha, H Madushan, N Udayanga, M Wathsala, T Sajarupan, G Alfered Canistus</i>	
9.30 - 9.45	ICSD 078	ASSESS THE IMPACT OF TEMPERATURE CHANGES ON CORAL REEFS, MITIGATION ADAPTATION STRATEGIES: A REVIEW <i>S.N.N. Senadheera, D.M.G. S. Madushanka, Y.M.S.Y. Rajapaksha, T.D.R. Janz, A. B. M. C. W. Abeykoon, T.A.N.T. Perera</i>	
9.45 - 10.00	ICSD 240	AUTOMATION OF WASTE SORTING IN DEVELOPING NATION USING COMPUTER VISION AND ROBOTICS <i>I W B Wickramage, G G S V Kalhara, H G E M R S J Ekanayake, G Alfered Canistus</i>	

10.00 - 10.15	ICSD 151	BIOETHANOL FROM WASTE BIOMASS; A SUSTAINABLE APPROACH IN CIRCULAR ECONOMY A.G.W. D. Wijekoon, R.B.C.D. Jayasundara, Udara S.P.R. Arachchige, Pradeep Gajanayake, Saranga Diyabalanage M.M. Pathmalal, Champika Liyanage, Rumesh Liyanage, K.P.P. Udayagee
10.15 - 10.30	ICSD 278	ADVANCING CIVIL ENGINEERING: A COMPREHENSIVE EXPLORATION OF FIBER REINFORCED POLYMER (FRP) FOR STRUCTURAL INNOVATION <i>V. Mary Vithiya</i>

17th March 2024			
Room 3 (Online)/ Session 02			
Invention and Innovation - Sustainable Environment/ Sustainable Construction/ Waste Management			
Join Zoom Meeting	https://us06web.zoom.us/j/87327624270?pwd=KgR6ZRXYdt4dZH0WNKRf4iVywZDOA.1		
	Meeting ID: 873 2762 4270 Passcode: 194303		
Session Chair 1	Prof. Ayantha Gomes	Session Coordinator 1	Ms. Nayanathara Jayasinghe
Session Chair 2	Assoc. Prof. Leah Amor Cortez	Session Coordinator 2	Ms. Sadeepa Dinali
Time	Paper ID	Title	
11.00 - 11.15	ICSD 095	A REVIEW ON CLIMATE CHANGE IMPACT ON GLOBAL SUPPLY CHAIN; MITIGATION AND ADAPTATION <i>E.M.N.N. Nawarathna, P.H.M.V. De Silva, E.M.M.S. Anuththara, H.A.S. Nimasha, T.A.N.T. Perera</i>	
11.15 - 11.30	ICSD 114	IMPLEMENTING EFFECTIVE ENVIRONMENT MANAGEMENT SYSTEM IN SELECTED SOAP AND FOOD MANUFACTURING COMPANY <i>S. Apsara Gamachchige, D Halwathura, C K Hemachandra</i>	
11.30 - 11.45	ICSD 315	EVALUATING VISITOR PREFERENCES AND SOCIETAL IMPACT OF SRI LANKA'S SHORELINE POLLUTION <i>G.A.N.D. GANEPOLA, L.H.P. JAYARATHNA, S.M.S.N. SENANAYAKE and J.M.M. UDUGAMA</i>	
11.45 - 12.00	ICSD 263	STUDY OF A UNIVERSITY ENERGY PERFORMANCE USING INFRARED THERMOGRAPHY <i>J K Kanthi</i>	
12.00 - 12.15	ICSD 144	INFLUENCE OF REUSED TYRE RUBBER (RTR) & REUSED TYRE STEEL FIBRE (RTSF) ON MECHANICAL PROPERTIES OF CONCRETE <i>S.A.C. Padmasiri and J.M.R.S. Appuhamy</i>	
12.15 - 12.30	ICSD 147	EXPERIMENTAL AND NUMERICAL INVESTIGATIONS OF THE STRUCTURAL PERFORMANCE OF CONCRETE FILLED DOUBLE SKIN STEEL TUBE (CFDST) COLUMNS <i>S.M.S. Sirimanne and J.M.R.S. Appuhamy</i>	

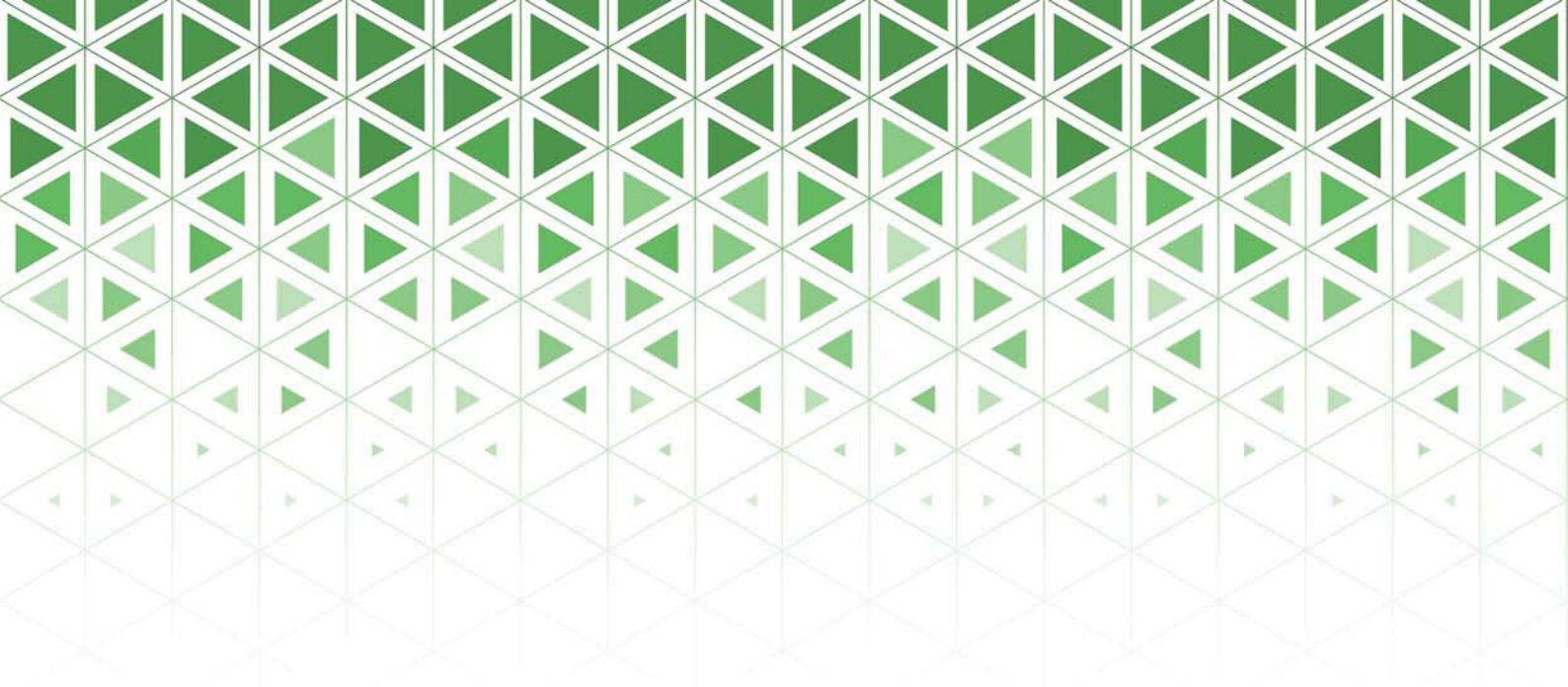
12.30 - 12.45	ICSD 228	INVESTIGATING THE WATER ABSORPTION OF TREATED MANGO WOOD; ORGANIC WOOD PRESERVATIVES COUPLED WITH PETROLEUM OIL <i>K.P.I.Udith, Iresha S. Hewage, M.S. Mendis, C.K.Muthumala, R.U.Halwatura</i>
12.45 - 13.00	ICSD 235	XPRESS PEARL INCIDENT: LONG TERM IMPACTS, MITIGATION AND ECOSYSTEM RECOVERY STREGIES <i>Liyanage S.I.M, Wijawardana. M.K.S.N., Rupasinghe U.T.J.</i>

17th March 2024			
Room 3 (Online)/ Session 03			
Invention and Innovation - Engineering Technology			
Join Zoom Meeting	https://us06web.zoom.us/j/87327624270?pwd=KgR6ZRXYdt4dZH0WNKRf4iVywZDOA.1		
	Meeting ID: 873 2762 4270		
	Passcode: 194303		
Session Chair 1	Dr. Akila Wijethunga	Session Coordinator 1	Ms. Nayanathara Jayasinghe
Session Chair 2	Dr. Rasara Samarasinghe	Session Coordinator 2	Ms. Sadeepa Dinali
Time	Paper ID	Title	
14.15 - 14.30	ICSD 299	Polymorphic Transformation of Glycine via Solid State Milling and Under Different Relative Humidity Conditions <i>W.G.Kanchana, N.M Adassooriya</i>	
14.30 - 14.45	ICSD 311	ADVANCEMENTS IN TRAFFIC SAFETY: A NOVEL SPEED DETECTION SYSTEM USING INFRARED SENSORS AND ARDUINO TECHNOLOGY <i>M Y A Costa, P Mathitharan, J Thanushyani, H S DE Zoysa, V Sumanasena, T Sajarupan, G Alfered Canistus</i>	
14.45 - 15.00	ICSD 323	MULTI-FUNCTIONAL PORTABLE DIGITAL TESTER <i>S.D. Marasinghe</i>	
15.00 - 15.15	ICSD 214	CYLINDRICAL ROBOTIC STICKER PLACEMENT DESIGN AS A SMART SOLUTION FOR APPAREL BRANDING <i>W.P.M Perera, M.T.U.D Mallikarathne, G.A.H.K.M Gamlath, R.M.C.D.K Rathnayake</i>	
15.15 - 15.30	ICSD 243	AN INFORMATION SECURITY FRAMEWORK FOR UNIVERSITIES TO ENHANCE THEIR DIGITAL WELLBEING <i>C.S.D. Ellepola, Roshan G. Ragel, Manjula Sadirigama, K.W.S.N. Kumari</i>	
15.30 - 15.45	ICSD 246	DESIGNING NOVEL GENETIC LOGIC GATE CIRCUIT TO IDENTIFY AND EFFECTIVE DEGRADATION OF MICROPLASTIC TYPES POLYETHYLENE TEREPHTHALATE, POLYETHYLENE AND POLYSTYRENE <i>M.A.M.Akeel Shahan, D.R.Gimhani, H.M.L.P.B.Herath, S.V.S.M.P.Sooriyapperuma, J.M.D.N.Abeseekara, R.H.L.I. Wedamulla</i>	

17th March 2024			
Room 4 (Online)/ Session 01			
Invention and Innovation - Sustainable Environment/ Sustainable Construction/ Waste Management			
Join Zoom Meeting	https://us06web.zoom.us/j/84562076193?pwd=vxxQAJ4SVLpxDhkvjEV7AbMG0Z7Umk.1		
	Meeting ID: 845 6207 6193		
	Passcode: 860615		
Session Chair 1	Dr. Champika Ellawala	Session Coordinator 1	Mr. Malith Sandeepa
Session Chair 2	Dr. Hashini Vitharana	Session Coordinator 2	Ms. Sajani Kolambage
Time	Paper ID	Title	
8.30 - 8.45	ICSD 239	LIFE CYCLE ASSESSMENT OF KRAFT PAPER PRODUCTION FROM VIRGIN PULP AND WASTEPAPER <i>Muthunayake A.S, Muhandiram M.S.C, Danthurebandara M.</i>	
8.45 - 9.00	ICSD 335	EFFECT OF ENVIRONMENTAL ASSISTED CRACKING FOR LATERAL PERFORMANCE OF RC COLUMNS STRENGTHENED BY STEEL JACKETING <i>Y.G.P. Erange, S. Bandara</i>	
9.00 - 9.15	ICSD 223	DEVELOPMENT OF A TRANSFORMATIVE BIO-GEOTECHNICAL SOIL IMPROVEMENT METHOD USING BONE WASTE AS CEMENTING MATERIAL <i>A. Insaf Ahameth, A. R. M. Ruvishan, P. Sathursan, S. Gowthaman, T. H. K. Nawarathna, S. Kawasaki</i>	
9.15 - 9.30	ICSD 008	THE FEASIBILITY STUDY OF DEVELOPING A COMPOSITE MATERIAL FOR CEILING BOARDS USING WASTE TEXTILES AND PLASTICS <i>N.N.N.Amani, R. U. Halwatura, G. Y. Jayasinghe, A.P.L.S. Vaas, G.D.M. Yasara</i>	
9.30 - 9.45	ICSD 093	ARCHITECTURAL INPUT IN SUSTAINABLE HERITAGE CONSERVATION: A STUDY ON ADAPTIVE REUSE IN GALLE FORT <i>V.D Pathirana, J. Wijesundara</i>	
9.45 - 10.00	ICSD 253	SEASONAL DYNAMICS OF PLASTIC WASTE GENERATION AND THE SOUTHWEST MONSOON'S EFFECT ON THE TRANSPORT OF PLASTIC DEBRIS IN RIVERINE SYSTEMS: A CASE STUDY AT NORTH-DIKKOWITA FISHERY HARBOR, SRI LANKA <i>P.M.S.R.Muhandiram , R.U.Halwatura, K.S.Williams, C.Liyanage</i>	

10.00 – 10.15	ICSD 030	GREEN INNOVATION: HARNESSING ALUMINUM SLUDGE FOR SUSTAINABLE WALL CARE PUTTY IN ECO-FRIENDLY CONSTRUCTION PRACTICES <i>G.R.S.D Bandaranayaka, R.M.L.D Rathnayake</i>
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17th March 2024			
Room 4 (Online)/ Session 02			
Small and Medium Entrepreneur/Challenges to Innovation and Invention/ Techno-Entrepreneurial Skills			
Join Zoom Meeting	https://us06web.zoom.us/j/84562076193?pwd=vxxQAJ4SVLpxDhkviEV7AbMG0Z7Umk.1		
	Meeting ID: 845 6207 6193 Passcode: 860615		
Session Chair 1	Prof. C. N. Wickramasinghe	Session Coordinator 1	Mr. Malith Sandeepa
Session Chair 2	Dr. Eranga Jayasekara	Session Coordinator 2	Ms. Sajani Kolambage
Time	Paper ID	Title	
11.00 - 11.15	ICSD 064	ASSESSING CLIMATE RESILIENCE IN AGRICULTURAL SMALL AND MEDIUM ENTERPRISES (SMES) IN SRI LANKA: AN INVESTIGATION OF KNOWLEDGE TRANSFER AND EXTENSION SERVICES <i>W.M.W.S.S. Gnanarathne, W.D. Thilini, K.K.N. Ishara, A.M.A.M. Adikaram, J.P. Wijesinghe, S. Duxana, T.A.N.T Perera</i>	
11.15 - 11.30	ICSD 071	ROLE OF SOCIO ECONOMIC ON CONSUMERS PURCHASE INTENTION OF STREET FOOD <i>R.M.M.N.Jayalath, D.A.M. De Silva</i>	
11.30 - 11.45	ICSD 065	CONSUMERS'; DECISION TOWARDS DIGITAL (ONLINE) BUYING OF CINNAMON BEVERAGES IN SRI LANKA <i>W.M. Wasana, S H P. Malkanthi, U.B.E. Sasanka and G, Athapattu</i>	
11.45 - 12.00	ICSD 219	FACTORS IMPACT ON CUSTOMER INTENTION – A TECHNOLOGY ACCEPTENCE MODEL PERSPECTIVE ON E-WALLETS AMONG SRI LANKAN UNIVERSITY STUDENTS <i>P.V.P. Shamini, C. Kothalawala, S.R. Yapa, K.H. Kavishka, W.A. P. I. Thathsarani, M. R. M. Younus</i>	
12.00 - 12.15	ICSD 331	MINDFUL CONSUMER AND SUSTAINABLE CONSUMPTION: CAN MINDFULNESS DRIVE SUSTAINABLE PRACTICES? <i>R.M.K.S. Rasanjalee, A.K.L. Jayewardena</i>	
12.15 – 12.30	ICSD 204	NAVIGATING INNOVATION BARRIERS IN SRI LANKAN SMES: A COMPREHENSIVE CASE STUDY <i>Anuththara Kudaligama, Chameera Udawattha</i>	



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