

# **19<sup>th</sup> Academic Sessions**

*“Overcoming challenges in the next decade”*



## **Technical Sessions Schedule**

**02<sup>nd</sup> March 2022**

**University of Ruhuna**

**19<sup>th</sup> Academic Sessions and  
18<sup>th</sup> Vice Chancellor's Awards Ceremony  
02<sup>nd</sup> March 2022**

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# Inaugural Ceremony – 19<sup>th</sup> Academic Sessions and 18<sup>th</sup> Vice Chancellor Awards Ceremony - 2022

## Agenda

<b>7.30 a.m. - 8.00 a.m.</b>	Refreshments
<b>8.00 a.m.- 8.25 a.m.</b>	Ceremonial Procession
<b>8.25 a.m.- 8.35 a.m.</b>	University Anthem
<b>8.35 a.m. - 8.50 a.m.</b>	Lighting of Oil Lamp
<b>8.50 a.m.- 8.55 a.m.</b>	Welcome Address by the Chairperson Dr. K.G.S.H. Gunawardana
<b>8.55 a.m.- 9.05 a.m.</b>	Address by the Deputy Vice Chancellor Prof. E.P.S. Chandana,
<b>9.05 a.m.- 9.20 a.m.</b>	Address by the Chief Guest Snr. Prof. Sujeewa Amarasena, Vice Chancellor, University of Ruhuna
<b>9.20 a.m.- 9.50 a.m.</b>	Keynote Speech “Knowledge, technology and complexity in economic growth” Prof. RMG Rajapakse, Department of Chemistry, Faculty of Science, University of Peradeniya
<b>9.50 a.m.– 10.00 a.m.</b>	Cultural event
<b>10.00 a.m.– 10.30 a.m.</b>	Oration: “Engineers mimicking Reinforcement Learning in the Brain” Dr.(Ms) N.W.J.A.L. Prins, Department of Electrical and Engineering, University of Ruhuna
<b>10.30 a.m.– 10.40 a.m.</b>	Best Presenter Awards, 18th Academic Sessions
<b>10.40 a.m. – 11.00 a.m.</b>	18th Vice Chancellor’s Awards
<b>11.00 a.m. – 11.20 a.m.</b>	Awarding of Professor Emeritus
<b>11.20 a.m.– 11.30 a.m.</b>	Vote of Thanks by the Secretary Dr.(Mrs) V.H.P.Vitharana,
<b>11.30 a.m.– 11.35 a.m.</b>	National Anthem
~End of the Inaugural Ceremony~	
Refreshments	

(Technical sessions will be commenced at 11 30 a.m. at the Faculty of Technology)

## Technical Sessions Summary

Session Theme	Time	Venue
Agriculture, Environment, and Biological Sciences	Session I 1.30 pm -3.00 pm (06 abstracts)	Lecture Hall A
	Session II 3.30 pm -5.00 pm (06 abstracts)	
Computer Science and Information Technology	1.30 pm- 2.15 pm (03 abstracts)	Lecture Hall D
Covid 19 Issues and Solution	12.00 pm- 1.15 pm (05 abstracts)	Lecture Hall C
Economics, Finance and Management	12.00 pm -1.00 pm (04 abstracts)	Lecture Hall B
Education, Humanities and Social Sciences	Session I 12.00 pm -1.30 pm (06 abstracts)	Lecture Hall E
	Session II 2.30 pm -4.15 pm (06 abstracts)	
Engineering, Technology and Applied Sciences	Session I 1.30 pm -3.00 pm (06 abstracts)	Lecture Hall B
	Session II 3.30 pm -4.45 pm (05 abstracts)	
Human Health, Pharmaceuticals and Medicine	2.00 pm- 4.45 pm (11 abstracts)	Lecture Hall C
Pure Science, Mathematics, and Statistics	12.00 pm-12.45 pm (03 abstracts)	Lecture Hall D
Students Poster Session	Session I 11.30 am -12.30 pm	Hall F
	Session II 1.30 pm -3.30 pm	

## Agriculture, Environment, and Biological Sciences

### Session I (06) (1.30 am - 3.00 pm)

Session Chair: Senior Prof. K.L. Wasantha Kumara

Evaluators: Prof. W. G. D. Lakmini

Prof. R. A. Maithreepala

Dr. Harshi Manawadu

Abstract ID	Time	Title of abstracts	Author/Co authors
69	1.30 p.m.- 1.45 p.m.	Comparative Assessment on the Prevalence and Antibiotic Resistance of Bacteria Associated with Larvae, Post-Larvae and, Adult of <i>Macrobrachium rosenbergii</i>	EGKYC Bandara, HHS Pramodhi, LNLP Jayasinghe, WWL Sachintha, SU Pathirana, DNN Madushanka, KVDM Hasintha, HC Nadishani, HAD Ruwandeeepika , KHMA Deepananda
136	1.45 p.m.- 2.00 p.m.	Evaluation of Phytotoxic Effect of Compost Mixtures Derived from Water Hyacinth ( <i>Eichhornia crassipes</i> L.) Using Relative Seed Germination Percentage	WMCS Jayaweera, SR Amarasinghe, AL Ranawake
12	2.00 p.m.- 2.15 p.m.	First Record of the Freshwater Red Algal Genus <i>Batrachospermum</i> from Southern Sri Lanka (English) Adult Learners	KSS Atapaththu, K Sanjaya, HPL Guruge, MHMASV Gunawardana, WGSM Kumari1, ED Jayalath, S Prasad, YMALW Yapa, RA Maithreepala
43	2.15 p.m.- 2.30 p.m.	Identification of field-level implementation issues of dairy cattle breeding policy in Sri Lanka	GGDC Gamage, Chandima Gajaweera, Prabudda Manjula, MDN Gunaratne, Indunil Pathirana
41	2.30 p.m.- 2.45 p.m.	Impact of Marketing Mix Antecedents on Consumer Re-purchase Intention of Milk Powder	MGT Lakmali, GC Samaraweera, NMNK Narayana, WMR Laksiri
127	2.45 p.m.- 3.00 p.m.	Investigation on the issues of protected house farmers' sub agricultural sector in Sri Lanka. A case study of farmers in Matara District, Southern province Sri Lanka	MS Jayathilaka, HAC Priyankara, BCS Ranasinghe

## Agriculture, Environment, and Biological Sciences

### Session II (06) (3.30 pm -5.00 pm)

Session Chair: Prof. P B Terney Pradeep Kumara

Evaluators: Prof. W. G. D. Lakmini

Prof. R. A. Maithreepala

Dr.Harshi Manawadu

Abstract ID	Time	Title of abstracts	Author/Co authors
85	3.30 p.m.- 3.45 p.m.	In-vitro Study of Cytotoxic Effect of Cinnamomum zeylanicum Leaves and Bark Extracts against Breast Cancer Cell Line; MCF-7	KTS Madhushika, Vajira P Bulugahapitiya, EPS Chandana, KHT Karunarathna, WAHM arunarathna, PB Galhena, YS Wijayasinghe
81	3.45 p.m.- 4.00 p.m.	Land-Use/Cover Alterations in Coconut Plantations in Western and Southern Coasts of Sri Lanka from 1996 to 2017	SK Madarasinghe, KKAS Yapa, LP Jayatissa
64	4.00 p.m.- 4.15 p.m.	Mapping Spatial Variability of Irrigation Water Quality in Kamburupitiya Divisional Secretariat Area, Matara, Sri Lanka	KMC Fernando, HIGK Anuruddi
108	4.15 p.m.- 4.30 p.m.	Preliminary Study of Guinea Grass (Megathyrsus maximus) Biochar as a Phosphorus Source	TUH Liyanage, DMCS Dissanayaka, WMCS Jayaweera, KMW Rajawatta, EPS Chandana, KHT Karunarathna
62	4.30 p.m.- 4.45 p.m.	Use of Soil Salinity and Redox Potential in Assessing Restoration Success of Mangrove Juveniles of Rhizophora mucronata Lam.	KAS Kodikara SK Madarasinghe, J Andrieu, LP Jayatissa
39	4.45 p.m.- 5.00 p.m.	Water Stability of Aggregates as Affected by Heating Temperature and Duration of Exposure in a Water Repellent Eucalyptus Surface Soil	HTM Perera, DAL Leelamanie

## Computer Science and Information Technology (03)

**(1.30 pm - 2.15 pm)**

Session Chair: Dr. W.A. Indika

Evaluators: Dr.W.A.Mohotti

Dr D.W.P Chaturika Kumari

Dr. C. K. W. Seneviratne

Abstract number	Time	Title of abstracts	Author/Co authors
135	1.30 p.m.- 1.45 p.m	Application of Vision Transformers in Online Advertisement Identification	CR Liyanage , MKS Madushika , RD Nawarathna
66	1.45p.m.- 2.00 p.m.	Developer Centric Framework for End User Involvement in Application Design	Kokila Harshan Ramanayaka, PG Waruna Lasantha
83	2.00 p.m.- 2.15 p.m.	Improving the Sinhala Handwritten Word Recognition Using a Dictionary with Consonant and Vowel Information Extraction	Chamari Silva, Nisaba Jayasundere

## Covid 19 Issues and Solutions (5)

**(12.00 pm.- 1.15 pm)**

Session Chair: Dr Janaki Warushahannadi

Evaluators: Prof. Amaranath Karunanayaka

Dr T. Ponnampereuma

Dr. Bimba Wickramarachchi

Abstract ID	Time	Title of abstracts	Author/Co authors
16	12.00pm- 12.15 p.m.	Crystalising Marginalisation of Urban Waththa Dwellers: a study based on Matiwatta in “Angulana”	Suranjith Gunasekara, Lahiru De Zoysa
113	12.15p.m.- 12.30 p.m.	Do The Undergraduates Have Infrastructure Facilities Necessary For Online Education At Their Personal Dwellings; A Survey In Faculty Of Allied Health Sciences, University Of Ruhuna	SMDU Silva, HWAS Subasinghe, VM Pathiraja, DGP Prasadi
107	12.30p.m.- 12.45 p.m.	Forecasting COVID-19 daily infected cases in Sri Lanka by Holt-Winters Model	SS Wickramasinghe, KMUB Konarasinghe
53	12.45p.m.- 1.00 p.m.	Impact of Practising Safety Measures for Covid-19 on the Education of Undergraduates of University Of Ruhuna	A Karunanayake, KW Dharmaratna, HWW Nirmavi, DMY Amerasinghe, J Karunarathna
37	1.00 p.m.- 1.15 p.m.	Psychological Disturbances And Associated Factors Among Professionals And General Public During COVID-19 Pandemic In Sri Lanka	SMTD Sundarapperuma, MWK Gamage, RHMPN Rathnayaka, SMEB Weerasinga, HJH Madushanthi

## Education, Humanities and Social Sciences

### Session I (06) (12.00 pm - 1.30 pm)

Session Chair: Professor Upali Pannilage

Evaluators: Ven. Nahalle Wajiragnana

Dr. Thilak Wijesundara

Mr. I.R. Priyantha

Abstract number	Time	Title of abstracts	Author/Co authors
15	12.00 noon-12.15 p.m	Ethno-Religious Segregation in Plural Societies: Impact of Post – Easter Sunday Attack of Sri Lanka	Suranjith Gunasekara, Rohan Thimbiripola
28	12.15 p.m.-12.30 p.m.	The Untold Narration of the discourse on Militarisation in Post-Conflict Sri Lanka	Aruni Samarakoon
40	12.30 p.m.-12.45 p.m.	Undergraduates' Perception on Online Exams: A Case of Faculty of Agriculture, University of Ruhuna, Sri Lanka	DMM Sandeepani, PNMM Wijerathna, MGT Lakmali, GC Samaraweera
70	12.45 p.m.-1.00 p.m.	රෝග කළමනාකරණයෙහිලා බෞද්ධ ආහාර සංකල්පය උපයෝගී කරගත හැකි ආකාරය පිළිබඳ විමර්ශනාත්මක අධ්‍යයනයක්	දිල්ශාන් දිල්ෂාන් මචනෝජ් රාජපක්ෂ, රංජනී එම්. පතිරණ
79	1.00 p.m.-1.15 p.m.	LIBSEE: An Evaluation Framework for Effectiveness of Library Services Based on Multi-Criteria Analysis	J.A. Ajith, K.H. Ramanayaka, W.A. Weerasooriya
120	1.15 p.m.-1.30 p.m.	Political Cartoon, Facebook Community and Formation of Public Opinion in Sri Lanka	Hirosha Lakmali



## Education, Humanities and Social Sciences

### Session II (07) (2.30 pm - 4.15 pm)

Session Chair: Prof. G.P.T.S. Hemakumara

Evaluators: Dr. Kokila Ramanayake

Mr. P.N. Rathnayake

Dr. R.A.S.P Ranabahu

Dr. D.P.P.G. Liyanage

Abstract ID	Time	Title of abstracts	Author/Co authors
59	2.30 p.m.- 1.45 p.m.	Students' perception on similarity detection service of University of Ruhuna: A case study of Faculty of Allied Health Sciences	PG Nishantha, SL Gammanpila, KTS Pushpakumara
6	2.45 p.m.- 3.00 p.m.	The Impact of School Library Services on Students' Academic Performance in the Technology Stream: A Case Study for the Faculty of Technology, University of Ruhuna.	JA Ajith
11	3.00 p.m.- 3.15 p.m.	Acquisition of Vocabulary Knowledge through Reading among Second Language (English) Adult Learners	SGS Samaraweera
19	3.15 p.m.- 3.30 p.m.	A Critical Evaluation of the Philosophical and Methodological Implications of Positivism in Research in the Discipline of Teaching English as a Second Language	CM Arsakulasuriya , Himesha Prabodini Alahakoon
76	3.30 p.m.- 3.45 p.m.	නව සංවිධර්න ව්‍යාපෘති සහ පරිසර කළමනාකරණය: හම්බන්තොට මත්තල ජාත්‍යන්තර ගුවන්තොටුපළ ආශ්‍රිත ප්‍රත්‍යයයික අධ්‍යයනයක්	නිෂාදි තාරකා මාරසිංහ, අයි. රේණුක ප්‍රියන්ත
09	3.45 p.m.- 4.00 p.m.	Relationship between Soft Skills and Academic Performance of Bachelor of Arts Undergraduates in University of Ruhuna: A Case Study	EV Danushka Dilhani
14	4.00 p.m.- 4.15 p.m.	ශ්‍රී ලංකාවේ පැරණි වාරි උරුමයේ සිදු වූ සංරක්ෂණ හා නඩත්තු ක්‍රියාවලිය : ආරම්භක යුගයේ සිට ක්‍රි.ව. 1948 දක්වා.	ඩීසී වික්‍රානන්ද, ආචාර්ය ලක්මිණි ගමගේ

## Engineering, Technology and Applied Sciences

### Session I (6) (1.30 pm -3.00 pm)

Session Chair: Prof. G. H. M. J. Subashi De Silva

Evaluators: Prof. G. D. K. Mahanama

Dr.J. A. P. Bodhika

Mr. M. T. T. Ranjan

Abstract ID	Time	Title of abstracts	Author/Co authors
106	1.30 p.m.- 1.45 p.m.	Day ahead Forecasting of Solar PV Generation: Case of Sri Lanka	MHMR Shyamali Dilhani, KJC Kumara, KMSY Konara
33	1.45p.m.- 2.00 p.m.	Design and Fabrication of an Automated Pen Barrel Collecting and Packing Machine	KTKM De Silva, HSN Ariyawansha, MII Ahamed
48	2.00 p.m.- 2.15 p.m.	Developing an Adaptive Audio-Visual Cue System for Gait Improvement in Parkinson Disease	PPM Harshani, HAS K. Jinaranshi, RPS Tharaka, KD Pathirana, NW Prins
104	2.15 p.m.- 2.30 p.m.	Development of a Prototype Lower Limb Exoskeleton System to Assist Tea Plantation Workers	JK Jayakody, MGSSB Manchanayaka , KJC Kumara, RW Senevirathne, RKPS Ranaweera, RARC Gopura
46	2.30 p.m.- 2.45 p.m.	EO/IR based Ship Detection using Machine Learning	Chatura Seneviratne, Thulitha Senevirathna, Isuru Tennakoon, Oshana Dissanayake, Lochana Marasinghe
35	2.45 p.m.- 3.00 p.m.	Evaluating the Performance of Single Cylinder Diesel Engine Running on Blends of Diesel and Alcohol	HC Ambawatte, AKCI Kodithuwakku, Kusumi Anjana, Kumar Dilushan

## Engineering, Technology and Applied Sciences

### Session II (5) (3.30 pm - 4.45 pm)

Session Chair: Dr. G. G. Chaminda Thushara

Evaluators: Dr. G. I. P. Perera

Dr. Subodha Gunawardhana

Dr. A. M. Ajward

Abstract ID	Time	Title of abstracts	Author/Co authors
31	3.30 p.m.- 3.45 p.m.	Free Energy Calculations of FCC Aluminum Using Classical Density Functional Theory and a Perturbative Approach.	BHCS Thilakarathna , Xueyu Song , KGSH Gunawardana
72	3.45 p.m.- 4.00 p.m.	GLASS WASTE as an ALTERNATIVE RAW MATERIAL for CONCRETE MIXTURES – A REVIEW	DHA Maduranga , JMRS Appuhamy, WMKRTW Bandara, TM Bandula Heva
17	4.00 p.m.- 4.15 p.m.	Numerical modelling and performance analysis of an Oscillating Wave Surge Converter for renewable power generation applications	N.H.D.S. Manawadu, I.D.Nissanka, H.C.P.Karunasena
87	4.15 p.m.- 4.30 p.m.	Review on Executing OpenCV Based Computer Vision Programmes in C++ with Windows Environment	HM Supun Sanjaya
95	4.30 p.m.- 4.45 p.m.	Safety Risk Assessment for Drill & Blast Tunnel Construction in Sri Lanka	SW Seneviratne, G K P Wickramasinghe, RDD Dayawansha

## Human Health, Pharmaceuticals and Medicine (11)

**(2.00 pm - 4.30 pm)**

Session Chair: Prof. Ruwani Hewawasam

Evaluators: Prof. R.S.J. Lenora

Prof. Champa Wijesinghe

Dr. Bimba Wickramarachchi

Abstract number	Time	Title of abstracts	Author/Co authors
109	2.00p.m.- 2.15 p.m.	Correlation between Lower Extremity Function and Quality of Life of Athletes with Lower Limb Pain	Sanka Theekshana Thebuwanaarachchi, Sampath Gunawardena, YHS De Silva
93	2.15p.m.- 2.30p.m.	Cost-effective, Robust Prosthetic Knee Joint Designed for Active Trans-femoral Amputees	Nuwan Chanaka Gunarathne
21	2.30p.m.- 2.45 p.m.	Dynamic Variation of Multiple CagA EPIYA-C Motifs in East-Asian	Kavinda Tissera, Hanfu Su, Jeong-Heon Cha
60	2.45p.m.- 3.00 p.m.	Elevated Urinary KIM-1 Levels May be an Early Indication of Renal Injury among School Children in Regions with High Prevalence of CKDu in Sri Lanka	TDKSC Gunasekara, Sudheera Jayasinghe, EPS Chandana, Sisira Siribaddana, P Mangala CS De Silva
42	3.00p.m.- 3.15 p.m.	Evaluation of Antibacterial and Disinfectant potency of Biogenic Silver Nanoparticles Synthesized Using <i>Cyprus rotundas</i> Against Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA)	WSG De Soyza, WMDGB Wijayarathne, MT Napagoda, S Witharana,
90	3.15 p.m.- 3.30 p.m.	Factors Associated with Quality of Life among Patients with Chronic Plaque Psoriasis in Southern Sri Lanka	PLAN Liyanage, PLGC Liyanage, Wijenayake BS, Yapa PBDL, RLM Pushparanid, PV De Silva, S Imafuku, S Lekamwasam
23	3.30 p.m.- 3.45 p.m.	Genome-wide Linkage search for Cancer Susceptibility Loci in a cohort of non BRCA1/2 families in Sri Lanka	Prabhavi Wijesiriwardhanaa, Anthony Mark Musolf, Joan E Bailey-Wilson, Kalum Wettasinghe, Vajira H W Dissanayake
102	3.45 p.m.- 4.00 p.m.	Medication Errors in Paediatric Inpatient Settings: A Narrative Review	WPKH Subasinghe, VM Pathiraja, GAM Prasadi

56	4.00 p.m.- 4.15 p.m.	Melanogenesis Inhibition by Anthocyanin Rich Extract of Hibiscus syriacus	Wisurumuni Arachchilage Hasitha Maduranga Karunarathne , Yung Hyun Choi , Kyoung Tae Lee , Gi-Young Kim
58	4.15 p.m.- 4.30 p.m.	Minor Allele Frequencies of Single Nucleotide Variants Associated with Diabetic Peripheral Neuropathy in a Cohort of Sri Lankan Population	LBL Prabodha, ND Sirisena, VHW Dissanayake
70	4.30 p.m.- 4.45 p.m.	රෝග කළමනාකරණයෙහිලා බෞද්ධ ආහාර සංකල්පය උපයෝගී කරගත හැකි ආකාරය පිළිබඳ විමර්ශනාත්මක අධ්‍යයනයක්	දිල්ශාන් දිල්ෂාන් මවනෝජ් රාජපක්ෂ, රංජනී එම්. පතිරණ

### Pure Science, Mathematics and Statistics ( 3)

(12.00 pm-12.45 pm)

Session Chair: Prof. J. W. Hewage

Evaluators: Prof. (Mrs) D. H. Munasinghe  
Prof. P. Mangala C. S. De Silva  
Dr. Mahesh Kodikara

Abstract number	Time	Title of abstracts	Author/Co authors
74	12.00 noon- 12.15 p.m.	Assessing the effects of COVID-19 control strategies and their implementing time through a mathematical model	LW Somathilake
36	12.15 p.m.- 12.30 p.m.	Improved Advanced Oxidation Process for the Removal of Crystal Violet Dye in Wastewater	HMMJ Rathnayake, S Wanniarachchi
50	12.30 p.m.- 12.45 p.m.	Investigations of chemical compositions and antioxidant potential of essential oils extracted from the leaves of seven guava varieties	S Kokilananthan, Vajira P Bulugahapitiya, H Manawadu, CS Gangabadage

## **Economics, Finance and Management (04) (12.00 pm - 1.00 pm)**

Session Chair: Prof. HSC Perera

Evaluators: Dr. Manjula K. Wanniarachchige

Dr. GTW Sriyani

Dr. Hemamali Ganewatta

<b>Abstract number</b>	<b>Time</b>	<b>Title of abstracts</b>	<b>Author/Co authors</b>
25	12.00noon-12.15 p.m.	Constructing an Area-based Index to Evaluate Sustainable Development for Southern Province, Sri Lanka: A Principal Components Analysis Approach	AJ Jayasekara , BM Sumanarathne , Leslie Jayasekara
30	12.15p.m.-12.30 p.m.	Empirical Analysis of Relationship between GDP growth rate and Expenditure on both Education and Health in Sri Lanka using Multivariate Time Series Technique.	Anuradha Gamage
91	12.30p.m.-12.45 p.m.	Factors Affecting Consumer's Purchase Intention of Green Products in the Context of Sri Lankan Food and Beverage Industry: A study based on Theory of Planned Behavior	WADMS Wijesekara, TSLW Gunawardana,
45	12.45p.m.-1.00 p.m.	The influence of Emotional Intelligence on Pro-social behaviour of Sri Lankan universities' Management undergraduates: Evidence from a Sri Lankan state university	Isuru Chandradasa, BL Galhena

## Student Poster Session

**(11.30 am – 12.30 pm/1.30pm- 3.30 pm)**

Session Chair: Prof Kanthi Yapa

Evaluators: Dr. (Mrs.) N. M. Wickramage

Dr. N. D. N. Priyadarshani

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Mr. Geeth Priyankara

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Dr. W. M. C. Wijekoon

Dr. B. M. S. Jinendra

11.30 am – 12.30 pm (Agriculture, Environment, and biological science (15), Computer Science and information Technology (03), Education, Humanities and Social Sciences (01) Human Health, Pharmaceuticals and Medicine (02))

1.30pm- 3.30 pm (Engineering, Technology and Applied Science (26))

<b>Abstract ID</b>	<b>Theme</b>	<b>Title of abstracts</b>	<b>Author/Co authors</b>
78	Agriculture, Environment, and biological science	A Review of Contribution of Green marketing to fulfill Corporate social responsibility	APHJ Silva
61	Computer Science and information Technology	An Ontology Based Process Mining Framework for Logistics Domain	Sugara Kithmini De Alwis Weerasiriwardana, Jeewanie Jayasinghe Arachchige
24	Agriculture, Environment, and biological science	Anticandidal Potential of Jasminum officinale, Leucas zeylanica, Cassia auriculata and Cinnamomum zeylanicum Extracts against Selected Candida Strains	DN Wanigasekara, SS Wickramasinghe, GB Wijayaratne, MT Napagoda
117	Engineering, Technology and Applied Sciences	Application of rice straw ash as a cheaper filler in rubber compounds	Nirmanani A A Fernando, Ayomi W G Pabasara, Yashoda K Gayashini, Dulani N Liyanage
115	Engineering, Technology and Applied Sciences	Automated Kokis Making Machine	AGA Sandakalum, MPU Isuranga
99	Engineering, Technology and Applied Sciences	Automated Mechanical Workshop Tools Management System	WTJ Soysa, MPU Isuranga
105	Engineering, Technology and Applied Sciences	Automated Multiple Woven Label Attaching Machine Using Impulse Heat	JNT Jayasuriya, Uditha M P Isuranga

134	Engineering, Technology and Applied Sciences	Automated Small Scale Powder Dispensing System	Pathiraja PMDK, Pradeep KKL, Isuranga MPU
114	Engineering, Technology and Applied Sciences	Autonomous Solar Panel Cleaning Robot	KMD Dilanka , JNT Jayasuriya , MPU Isuranga,
49	Agriculture, Environment, and biological science	Biodegradation of Polycyclic Aromatic Hydrocarbons by Endophytic Fungi Isolated from Prosopis juliflora, Acacia auriculiformis, and Annona glabra	DKDG Dissanayake, HC Manawadu, KAS Kodikara, VP Bulugahapitiya
52	Engineering, Technology and Applied Sciences	Comparison of restored diesel IC engine Performance with brand-new engine	SR Illangasinghe, MAP Chathuranga , BLS Thilakarathne, DRBKK Weerasekara
86	Human Health, Pharmaceuticals and Medicine	Demographic Background, Family History And Periconceptional Folic Acid Supplementation Associated with Primary Subfertility In Females Attending A Fertility Clinic, Galle, Sri Lanka	PT Dayawansha, LBL Prabodha, KBS Gunawickrama
116	Engineering, Technology and Applied Sciences	Design and Development of an Automated Dosa Making Machine for Medium Scale Productions.	WIM Jayaweera , MM srinath, MPU Isuranga
123	Engineering, Technology and Applied Sciences	Design and Development of a prototype armature coil removing machine for small scale single phase motors	JHR Wimalaweera, HL Subasinghe
122	Engineering, Technology and Applied Sciences	Design and Fabrication of a Sewer Line Clog Removing Machine to be used in Sri Lankan Dry Docks	RMDP Rathnayaka, HL Subasinghe
47	Engineering, Technology and Applied Sciences	Design and Fabrication of a System to Measure Thermal Conductivity of Compressible Materials	DGGV Udayakumara, De Silva IR, LGB Chamath, LKT Srimal, R Gallage
32	Engineering, Technology and Applied Sciences	Design and Manufacturing of Soral Cement Base Sheets by Considering the Orientation, Size and Shape of the Additives	WLN Wickramarathna, WDS Wickramasinghe, R Gallage, LKT Srimal



118	Engineering, Technology and Applied Sciences	Developing a Cement Tile Using Needle Waste	KLRT Gunawardena , VHP Vitharana
63	Engineering, Technology and Applied Sciences	Development of a Test-rig to Investigate the Effectiveness of a Hydraulic Oil	Ravindu Siriwardhana, Charith Wanigasekara, Kalpani Pathmasiri, Indika Perera
89	Agriculture, Environment, and biological science	Diversity, Distribution and Co-occurrence of Genus Aedes (Culicidae) through Rural and Urban Settings in Kalutara District, Sri Lanka	CS Kariyawasam, HCE Wegiriya
38	Agriculture, Environment, and biological science	Dormancy Breaking of Selected Weed Species in Sri Lanka	DUV Gunathilaka, WDSK Aberathna, PHS Shalika, KAS Kodikara, P Ranasinghe, DPD Ranawaka, LP Jayatissa
77	Agriculture, Environment, and biological science	Effects of different combinations of Organic and Inorganic Fertilizers on marginal oil palm (Elaeisguinensis) at Talgaswella estate in WL2a Agro ecological zone, Sri Lanka	H Bulugahapitiya, IR Palihakkara, A Balasuriya
20	Engineering, Technology and Applied Sciences	Elevator Guide Rail Cleaning Robot	DAPPD Dissanayake , MP Prabodhi Mithila
100	Computer Science and information Technology	Employee Management Application for Dock Workers	KDHC Kariyawasam, PHHC Dewduni , WBH De Silva ,KMN Apsara, WA Mohotti, WK Shajith
22	Education, Humanities and Social Sciences	Factors Associated with better achievements in mathematics: A Study on Technology Stream Students in University of Ruhuna	AARP Abeysinghe, Leslie Jayasekara, Sanjaya Thilakarathne, MK Abeyratne, Gayanthi Malika Wadanambi
110	Engineering, Technology and Applied Sciences	Fault Detection System for Underground Telecommunication Cables Facilitated with Website, Map, Mobile Application and SMS Alerts Systems	HPN Nayanamali, WTJ Soysa, MPU Isuranga
103	Engineering, Technology and Applied Sciences	Formation of Purple Reddish Colour in Salt Pans: Case Study of Hambantota Salt Pans	HKAE Prasadika, DKAI Suranga, HPL Guruge, KSS Atapaththua, HB Asanthi

92	Agriculture, Environment, and biological science	Growth And Yield Performance of Withania somnifera (Amukkara) As Affected By Phosphorous, Potassium And Potting Media	EMDCM Dharmasena, RHGB Prabhashini, S Subasinghe
65	Agriculture, Environment, and biological science	Impact of Organic Liquid Fertilizers on Growth and Yield of Abelmoschus esculentus, Raphanus sativus and Amaranthus spp in Container Gardening	EMUI Ekanayake, KMC Fernando
55	Agriculture, Environment, and biological science	Influence of Selected Soil Properties on Soil Organic Carbon (SOC) Levels in Mangrove Soil: A Study from Rekawa Lagoon, Southern Sri Lanka	GGNK Wijeratne, DPD Ranawaka, NVK Chamika, DUV Gunathilaka, WMIC Wijesundara, NK Abeyasinghe, NDSD Thilakarathna, AJD Perera, NP Dissanayake, NR Kankanamge, LP Jayatissa, Jc Andrieu, KAS Kodikara
57	Agriculture, Environment, and biological science	Level of Salinization in the Walawe River and Its Impacts on Associated Agricultural Lands	NVK Chamika, ARPE Athapaththu, GTG Arachchi, DPD Ranawaka, GGNK Wijeratne, DUV Gunathilaka, WMIC Wijesundara, NK Abeyasinghe, NDSD Thilakarathna, ADTI Madushanka, SK Madarasinghe, DDN Sripal, LP Jayatissa, J Andrieu, KAS Kodikara
96	Engineering, Technology and Applied Sciences	Low-Cost Smart Precipitation Gauge with a Weather Station	RADTT Rupasinghe, WTJ Soysa, MPU Isuranga
26	Computer Science and information Technology	Machine Learning and Data Mining Based Botnet Attack Detection Framework	OASPO Arachchi, MWTB Aththanayake , LLGMP Bandara, WGCA Sankalpa, KKK Sudheera
128	Engineering, Technology and Applied Sciences	Machine Monitoring System to Predict Potential Failures	Anjalee WMA Jayarathna ,Harshadewa KGS Gunawardana
54	Agriculture, Environment, and biological science	Manglicolous Lichen Diversity and Their	DPD Ranawaka, DUV Gunathilaka, WMIC

		Spatial Distribution in Rekawa Lagoon, Southern Coast of Sri Lanka	Wijesundara, GGNK Wijeratne, NVK Chamika, NDSD Thilakarathna, HD Wijayathilaka, SK Madarasinghe, G Weerakoon, J Andrieu, KAS Kodikara
111	Human Health, Pharmaceuticals and Medicine	Microbiological and molecular characterization of methicillin-resistant Staphylococcus aureus in clinical cultures collected from two tertiary care hospitals in Southern Sri Lanka	MRP Kurukulasooriya, WMDGB Wijayaratne, LG Tillekeratne, CK Bodinayake, B Piyasiri, AAD Priyanthi, AD De Silva, BP Nicholson, T Østbye, CW Woods, A De BS Nagahawatte
18	Agriculture, Environment, and biological science	Preclinical studies on the Immunomodulatory property of <i>Alpinia calcarata</i> (s. Araththa) and <i>Solanum surattense</i> (s. Ela batu) in rats	KKA Kithmini, EPS Chandana, PMC De Silva, M Hettihewa
80	Agriculture, Environment, and biological science	Preliminary Assessment of Biomarker Responses in <i>Oreochromis niloticus</i> from Selected Water Bodies with Reference to the Trophic Status	KML Madushika, SHNP Gunawickrama, KBS Gunawickrama
71	Agriculture, Environment, and biological science	Preparation of Biochar and Activated Carbon Granules from Cinnamon Wood	Devinda Karunathilaka, Mahesh Alahakoon, Ruwan Gallage
34	Engineering, Technology and Applied Sciences	Preparation of Titanium Dioxide Nano Particles from Sri Lankan Rutile Mineral Sand	KKL Pradeep, Yashodha G Kondarage
101	Engineering, Technology and Applied Sciences	Pump Based Chocolate Extruder for Food 3D Printing Technology	RRAK Nethma Rajapaksha, Dr.BLS Thilakarathna, Yashoda G Kondarage
121	Engineering, Technology and Applied Sciences	Rethinking Site Characterization in Tropical Residual Soil Profiles	Achini S. Bamunuvitharana, Anuruddhika G. Jayasinghe
97	Engineering, Technology and Applied Sciences	Smart Needle Management System for Apparel Industry	WPPA Induranga, T Mithurshan, MPU Isuranga
131	Engineering, Technology and Applied Sciences	Smart Power Demand & Consumption Analyser	T Mithurshan AJS Ahamed, DN Liyanage, RML Chamari

75	Engineering, Technology and Applied Sciences	Structural Integrity Analysis of Blade Profiles for Fibre Reinforced Plastic (FRP) Waste Shredder	ADHT Wijerathne, MTT Ranjan, UIK Galappaththi
73	Agriculture, Environment, and biological science	SWOT Analysis of Marine Ornamental Reef Fishery Sector in Trincomalee District of Sri Lanka.	MSVH Priyashadi, KHMA Deepananda, UAD Jayasinghe
94	Engineering, Technology and Applied Sciences	Wet Clay Crusher Machine for Tile Manufacturing Industries	T Sajarupan , DWKM Witharana, Hasini Ganege