

18th Academic Sessions

“Together Towards and Excellence”



Technical Sessions

03rd March 2021
University of Ruhuna

**18th Academic Sessions and
17th Vice Chancellor's Awards
03rd March 2021**



Technical Sessions Schedule

**Jointly organized by Faculty of Medicine
and Faculty of Allied Health Sciences of
University of Ruhuna**

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Inaugural Ceremony – 18th Academic Sessions - 2021

Agenda

- 7.30 - 8.00 a.m. Refreshments
- 8.00 - 8.25 a.m. Ceremonial Procession
- 8.25 - 8.35 a.m. University Anthem
- 8.35 - 8.50 a.m. Lighting of Oil Lamp
- 8.50 - 8.55 a.m. Welcome Address
Prof. Imendra Kotapola
Chairperson
18th Academic Sessions & 17th Vice Chancellors Awards Ceremony
- 8.55 - 9.05 a.m. Address by the Deputy Vice Chancellor
Prof. E.P.S. Chandana,
Deputy Vice Chancellor, University of Ruhuna
- 9.05 - 9.20 a.m. Address by the Chief Guest
Snr. Prof. Sujeewa Amarasena,
Vice Chancellor, University of Ruhuna
- 9.20 - 9.50 a.m. Keynote Speech
“Building a Research Culture in Sri Lanka”
Prof. Shaman Rajindrajith, Professor of Paediatrics,
Department of Paediatrics, University of Colombo
- 9.50 – 10.00 a.m. Cultural event
- 10.00 – 10.30 a.m. Oration: “Menopause; a significance milestone in women’s life”
Dr. R.H.M.P.N.Rathnayake, Department of Nursing,
University of Ruhuna
- 10.30 – 10.40 a.m. Best Presenter Awards, 17th Academic Sessions
- 10.40 – 11.00 a.m. 17th Vice Chancellor’s Awards
- 11.00 – 11.20 a.m. Awarding of Professor Emeritus
- 11.20 – 11.30 a.m. Vote of Thanks
Dr. Amaranath Karunanayake
Secretary/ 18th Academic Sessions
- 11.30 – 11.35 a.m. National Anthem

~End of the Inaugural Ceremony~

(Technical sessions will be commenced at 11 35 a.m. at the Faculty of Medicine)

Poster Session (11.35 am – 12.35 pm)

Venue: Lobby of the Auditorium, Faculty of Medicine, University of Ruhuna, Karapitiya

Evaluators: Prof. B Perera

Dr. EI Waidyaratne

Dr. AS Dissanayaka

Together Towards Excellence in Medical & Health Sciences (Poster Session I)

Abstract Number	Theme	Title of the Abstract	Author / Co-Authors
AH2	Medical & Health Sciences	Antimicrobial Activity and Oral Acute Toxicity Effect of <i>Cardiospermum halicacabum</i> Trim	DRSG Dissanayake, HH Peiris, AP Attanayake
AH3	Medical & Health Sciences	Germline Copy Number Variation Analysis in a Cohort of Patients with Hereditary Breast	P Wijesiriwardhana, UND Sirisena, TK Wettasinghe, VHW Dissanayake
M3	Medical & Health Sciences	Validation of Sinhala Version of Psoriasis Epidemiology Screening Tool	PLAN Liyanage, S Verni, PLGC Liyanage, PV De Silva, J Akarawita, C Gunasekera, J Rubasinghe, S Imafuku, S Lekamwasam
M6	Medical & Health Sciences	Effect of a Pre-designed Exercise Program and Metformin on Sub-clinical Atherosclerosis among Individuals with Impaired Glucose Tolerance	ATIM Amarasinghe, S Lekamwasam, TP Weeraratna, M Sumanathillake

M7	Medical & Health Sciences	Evaluation of Photoprotective Potential in Sunscreen Formulations Prepared from Methanolic Extract of <i>Mollugo cerviana</i> (L.) Ser.	M Liyanaarachchi, M Napagoda, S Potenza, L Witharana, L Jayasinghe, O Werz
M10	Medical & Health Sciences	High Prevalence of Community-associated Methicillin-resistant <i>Staphylococcus aureus</i> Infections in Patients admitted to District General Hospital-Matara	MRP Kurukulasooriya, DP Abeywarnaarachchi, WMDGB Wijyaratne, LG Tillekeratne, CK Bodinayake, AD de Silva, BP Nicholson, T Østbye, CW Woods, ADeS Nagahawatte
M11	Medical & Health Sciences	Use of Traditional, Complementary and Alternative Medicine in Sri Lanka; A Systematic Review	B Lekamwasam, PLGC Liyanage
M14	Medical & Health Sciences	Effect of Water: Ethanol Ratio on Extraction Yield, Total Polyphenol Content and Total Flavonoid Content of Selected Sri Lankan Medicinal Plants	ASD Wickramasinghe AP Attanayake, P Kalansuriya.

Poster Session (11.35 am – 12.35 pm)

Venue: Lobby of the Auditorium, Faculty of Medicine, University of Ruhuna, Karapitiya

**Evaluators: Dr. CJ Gajaweera
Dr. KNN Silva
Dr. NDN Priyadarshani**

Together Towards Excellence in Agriculture (Poster Session 1I)

Abstract Number	Theme	Title of the Abstract	Author / Co-Authors
A2	Agriculture	Effects of Dietary Yeast Cell Wall Supplementation on Growth Performance and Feed Cost of Broilers	MGK Buddika, NSBM Atapattu, IN Pathirana, MMK Premakumara, PK Lal
A7	Agriculture	Temporal and Spatial Variation of Irrigation Water Quality in a Tank Cascade System in Thanamalwila, Sri Lanka	SR Amarasinghe, PLA Madushanka
A8	Agriculture	Study on the Suitability of Artificial Floating Wetlands to Purify Eutrophic Water Bodies	WAK Pushpajith, SR Amarasinghe, RHGB Prabhashini, NY Hirimuthugoda
A13	Agriculture	Leaf Proteome Responses of Wheat (<i>Triticum aestivum</i> L.) to Elevated Atmospheric Carbon Dioxide during Early Vegetative Growth	DM Gamage, M Thompson, P Dehigaspitiya, P Faou, KH Rajapaksha, R Downs, MW Sutherland, N Hirotsu, N Seneweera
A14	Agriculture	Fisheries Value Network Analysis: Exploring the Relationships and Intangibles	KKL Hasini, WN De Silva, J Santos

A15	Agriculture	Farmers' Knowledge and Constraints for Moving towards Organic Agriculture: A Study with Farmers in Matara District	A Liyanage, GC Samaraweera, KMC Tharupath
A16	Agriculture	Young Generation's Awareness and Perception on Solid Waste Management: A Case of School Children in Matara District	KMC Tharupath, GC Samaraweera, SR Amarasinghe
A18	Agriculture	Development of Herbal Tea Blended with Cinnamon Bark Powder (<i>Cinnamomum verum</i>) and the Leaves of Guava (<i>Psidium guajava</i>) and Garcinia (<i>Garcinia quaesita</i>)	BEAU Bulathgama, PLN Lakshman, VP Bulugahapitiya, AAM Subodinee
A 20	Agriculture	Study on Ergonomic Applications to Design Suitable Furniture for Higher Education Institute	WAD Navodya, C.P. Rupasinghe

Poster Session (11.35 am – 12.35 pm)

**Venue: Lobby of the Auditorium, Faculty of Medicine, University of Ruhuna,
Karapitiya**

Evaluators: Prof. HIGC Kumara

Dr. SGS Samaraweera

Mr. KKS Udayakantha

Mr. JJG Arachchige

Together Towards Excellence in Humanities & Social Sciences (Poster Session III)

Abstract Number	Theme	Title of the Abstract	Author / Co-Authors
A4	Humanities & Social Sciences	Effect of COVID-19 on the Education of School Children: A Case Study in Mulatiyana Educational Zone, Sri Lanka	DMM Sandeepani, SU Wagachchi, PVS.Harshana, GC Samaraweera
A5	Humanities & Social Sciences	Undergraduates' Perception towards Online Learning during the COVID – 19 Outbreak – A Study at Faculty of Agriculture	SU Wagachchi, DMM Sandeepani, PVS Harshana, GC Samaraweera
AD1	Humanities & Social Sciences	පාසැල් හැර ගිය තරුණ තරුණියන්ගේ ජීවන ඉලක්ක හා වැඩ ආකල්ප හැඩ ගස්වා ගැනීම සඳහා විධිමත් වත්තිය මාර්ගෝපදේශ උපදේශණයේ අවශ්‍යතාව පිළිබඳ අධ්‍යයනය - මාතර දිස්ත්‍රික්කය ඇසුරින්	S Vidanagamage, D Dilhani

AH4	Humanities & Social Sciences	Content Analysis of Sri Lankan University Library Websites: An Analytical Study	PG Nishantha, KTS Pushpakumara, S Gammanpila.
H9	Humanities & Social Sciences	The Impact of Interaction Effect of Education and Work Experience into Earnings: An Application of Mincer Equation	IGS Kumari, A Gamage
H13	Humanities & Social Sciences	Factors Influence to the Use of Urban Home Gardens for Householder's Food Security in Galle Municipal Area in Sri Lanka	C Jayasinghe, GPTS Hemakumara, P Hewage
H17	Humanities & Social Sciences	Agrisilviculture for Improved Food Sovereignty and Enhance Livelihood Development: Monaragala District, Madulla Divisional Secretariat Araluwinna Village	DLAH Shammika, TAV De Silva, LUCC Jayamali
L1	Humanities & Social Sciences	Impact of Predatory Journals on Sustaining of Publishing Quality: a Literature Review	T Kuruppu Arachchi

Poster Session (11.35 am – 12.35 pm)

Venue: Lobby of the Auditorium, Faculty of Medicine, University of Ruhuna, Karapitiya

**Evaluators: Dr. WA Indika
Dr. BGSA Pradeep
Dr. KSS Atapaththu
Dr. NK Kalutharage**

Together Towards Excellence in Science & Engineering (Poster Session 1V)

Abstract Number	Theme	Title of the Abstract	Author / Co-Authors
E1	Science & Engineering	Grey Theory Based Approach for Time Series Forecasting: Application to Rainfall Data in the Ginigathhena Area	DMKN Seneviratna RMKT Rathnayaka
E6	Science & Engineering	Modelling the Total Cooking Process of Two Local Rice Varieties	HPA Jayamini, JA Weliwita, M Narayana, S Witharana, NK Hettiarachchi
E15	Science & Engineering	Study of the Impact of Particle Resolution on the Computational Efficiency of a CPU-GPGPU Hybrid Running of a Single Plant Cell Model	AKCI Kodithuwakku, KGP Hansani, S Baduge HCP Karunasena
S1	Science & Engineering	Effects of Phyllodes Extracts of <i>Acacia auriculiformis</i> A. Cunn. ex Benth. on Selected Weeds and Crop Species; Insight Towards a Bioherbicide Development	DUV Gunathilaka, KAS Kodikara, P Ranasinghe, YMALW Yapa, LP Jayatissa

S8	Science & Engineering	Mixed Model Approach: A Climate-adaptive Protection Paradigm for Vulnerable Coasts of Sri Lanka	WMIC Wijesundara, KAS Kodikara, SK Madarasinghe, M Rajapaksha, LP Jayatissa
S9	Science & Engineering	Forecasting Inflation Rate in Sri Lanka Using Supervised Machine Learning Techniques	WMS Bandara, WAR De Mel
S11	Science & Engineering	Invasive Alien Plants and the Associated Insect Assemblages in Some Selected Habitats in Matara District, Sri Lanka	TMKK Thennakoon, WMCD Wijekoon, HCE Wegiriya,
S12	Science & Engineering	Habitat Diversity and Co-existence of Mosquito Larvae in Kalutara District, Sri Lanka	CS Kariyawasama HCE Wegiriya
S15	Science & Engineering	Nonlinear Time Series Modelling Using Alternating Conditional Expectation: A Case Study on Colombo Stock	KD Prasangika
S18	Science & Engineering	A Preliminary Study to Identify Possible Mammalian Reservoirs of Cutaneous Leishmaniasis Parasites in Selected Sites of Hambantota District, Sri Lanka	KAM Sudarshani, T Eswaramohan, A Murugananthan, HCE Wegiriya
S21	Science & Engineering	Characterization and Treatment of Paint Industry Effluents Using Coagulation and Fenton Oxidation	RMKA Rajapaksha, S Wanniarachchi

Technical Session I (11.35 am –12.35 pm)

Venue: Tutorial Room 1, Department of Community Medicine,
Faculty of Medicine, University of Ruhuna, Karpitiya

Session Chair: Prof. C Yahathugoda

Evaluators: Prof. SS Jayasinghe
Dr. T Ponnampereuma
Dr. WVRTDG Bandara

Together Towards Excellence in Medical & Health Sciences (Oral Session 1-I)

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
AH1	11.35 a.m.– 11.50 a.m.	Protective Effects of <i>Abelmoschus moschatus</i> Medik. on Adriamycin Induced Oxidative Damage and Inflammation in the Kidney of Wistar Rats	AMSS Amarasiri, AP Attanayake, KAPW Jayatilaka, LKB Mudduwa
AH5	11.50 p.m.- 12.05 p.m.	English Speaking Skills: A Survey of Motivation and A motivation of Undergraduates at a Faculty Level: Faculty of Allied Health Sciences	M Jayasinghe, LL Sandamali, KAKD Wijesekara, KG Imendra
AH6	12.05 p.m. - 12.20 p.m.	Fear of COVID-19 among People Living in High Risk Zones in Sri Lanka; Preliminary Data	N Rathnayake, C Lokanwaththa, S Lekamwasam
AH7	12.20 p.m. - 12.35 p.m.	Evaluating the Ability of Sri Lankan FRAX Algorithm to Predict Fracture Risk without Femoral Neck Bone Mineral Density	HWAS Subasinghe, S Lekamwasam, P Ball, H Morrissey, EI Waidyaratne

Lunch Break (12.30 pm – 13.30 pm)

Technical Session II (1.30 pm – 3.30 pm)

Venue: Tutorial Room 1, Department of Community Medicine,
Faculty of Medicine, University of Ruhuna, Karapitiya

Session Chair: Prof. C Yahathugoda

Evaluators: Prof. SS Jayasinghe
Dr. T Ponnampereuma
Dr. WVRTDG Bandara

Together Towards Excellence in Medical & Health Sciences (Oral Session 1-II)

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
M1	01.30 p.m.– 01.45 p.m.	Predictors of Relapse Following Institutional Rehabilitation Among Male Drug Addicts in Selected Rehabilitation Centers in Sri Lanka	ILAN Darshana, CJ Wijesinghe, PV De Silva
M2	01.45 p.m.– 02.00 p.m.	Newborn Screening for Congenital Hypothyroidism in Sri Lanka: Economic Impact Assessment	N Karunarathna, D Liyanage, M Hettiarachchi
M4	02.00 p.m.– 02.15 p.m.	Clinical Utility and Safety of <i>Coccinia grandis</i> Extract in Patients with Newly Diagnosed Type 2 Diabetes Mellitus: A Double Blind, Placebo Controlled, Randomized Clinical Trial	KGP Wasana, AP Attanayake, TP Weeraratna, KAPW Jayatilaka

M5	02.15 p.m.– 02.30 p.m.	Association of Serum Vitamin D with Bone Turnover Markers, Trabecular Bone Score and Bone Mineral Density in a Group of Community Living Adult Women in Bope-Poddala MOH Area	H Rathnayake, S Lekamwasam, CM Wickramatilake, E De Zoysa, RSJ Lenora
M8	02.30 p.m.– 02.45 p.m.	Diverse Inhibition Pattern of a Group of Phytochemicals on Selected Human Pathogenic Bacterial Species	D Wanigasekara, K Wijesekera, GB Wijayaratne, S Patrad, SK Panjad, S Ghoraïd, AC Baraid, M Napagoda, BG Bag
M9	02.45 p.m.– 03.00 p.m.	Optimization of Preparation of Alginate Nanoparticles for Encapsulation of Ivy Gourd Extract	WND De Silva, AP Attanayake, DN Karunaratne, K.MGK Pamunuwa, LDAM Arawwawala
M12	03.00 p.m.– 03.15 p.m.	Optimization of Encapsulation Efficiency of <i>Coccinia grandis</i> (L.) Voigt Extract Encapsulated Nanoliposomes	ASD Wickramasinghe, AP Attanayake, P Kalansuriya
M13	03.15 p.m.– 03.30 p.m.	<i>Gmelina arborea</i> Roxb. Aqueous Extract Loaded Chitosan Nanoparticles: Formulation and Characterization	RR Wadasinghe, P Kalansuriya, AP Attanayake, BMR Bandara

Technical Session I (11.35 am –12.35 pm)

Venue: Tutorial room 2, Department of Community Medicine, Faculty of Medicine, University of Ruhuna, Karapitiya

Session Chair: Prof. GHMJ Subashi

**Evaluators: Dr. TN Wickramaarachchi
Dr. S Chandrasena
Dr. C Ambawatte**

Together Towards Excellence in Engineering (Oral Session 2-I)

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
E4	11.35 a.m.– 11.50 a.m.	Numerical Simulation of Pile Dynamic Analysis Test	DHS Mitila NH Priyankara
E5	11.50 p.m.- 12.05 p.m.	The Influence of Pre-Consolidation on Undrained Shear Strength Characteristics of Peaty Clay in Sri Lanka	MWS Priyamali NH Priyankara
E7	12.05 p.m. - 12.20 p.m.	Numerical Modelling and Simulation of a Bottom-hinged Flap type Oscillating Wave Surge Converter for Performance Optimisation	NHDS Manawadu, NAID Nissanka, HCP Karunasena
E8	12.20 p.m. - 12.35 p.m.	Development of Design and Manufacturing Guidelines to Produce Fibre Reinforced Plastics (FRP) Boats Using Vacuum Assisted Resin Transfer Moulding (VARTM) Technique	MTT Ranjan UK Galappaththi, S Baduge, WK Wimalsiri

Lunch Break (12.30 pm – 13.30 pm)

Technical Session II (1.30 pm – 3.30 pm)

Venue: Tutorial Room - 2, Department of Community Medicine, Faculty of Medicine, University of Ruhuna, Karapitiya

Session Chair: Prof. GHMJ Subashi

Evaluators: Dr. TN Wickramaarachchi

Dr. S Chandrasena

Dr. C Ambawatte

Together Towards Excellence in Engineering (Oral Session 2-II)

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
E9	01.30 p.m.– 01.45 p.m.	Non-Contact Heart Rate Monitoring using Impulse-Radio Ultra-Wideband (IR-UWB) Radar Technology	C Seneviratne, P Padma, N Madhawa, A Hansinid, J Gamage
E10	01.45 p.m.– 02.00 p.m.	Burnt-Bricks with Extracted Clay and Fly Ash	SN Malkanthi, AADAJ Perera
E11	02.00 p.m.– 02.15 p.m.	Comparison of Biomechanics of a Tea Worker in Ascending and Descending Tea Plucking in Sri Lanka	KJC Kumara, JIK Jayakody, MGSSB Manchanayaka
E12	02.15 p.m.– 02.30 p.m.	Analysis of Emissions of a CI Engine at Varying Load Conditions with Diesel Blended Liquid Fuel Extracted from Waste Polypropylene	EP Rohan, B Sumith, LKT Srimal
E13	02.30 p.m.– 02.45 p.m.	Determination of Fundamental Characteristics of Unsaturated Residual Soils in Sri Lanka	BPS Harishchandra, NH Priyankara
E14	02.45 p.m.– 03.00 p.m.	Development of a Small-scale On-shore Sea Wave Energy Extraction Device for Electricity Generation	BJCL Jayathunga, HPON Yasarathna, HCP Karunasena

Technical Session I (11.35 am –12.35 pm)

Venue: Tutorial room 1 – Department of Physiology, Faculty of Medicine,
University of Ruhuna, Karapitiya

Session Chair: Dr. KGSH Gunawardhana

Evaluators: Dr. BLS Thilakaratne
Dr. PKSC Jayasinghe
Dr. KHT Karunarathne

Together Towards Excellence in Technology (Oral Session 3-I)

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
T2	11.35 a.m.– 11.50 a.m.	Assessment of Genotoxic Effects of Pollutants in Moragoda Ela Cross Drains, Galle using Erythrocytes Nuclear Abnormality (ENA) Biomarker of Tilapia (<i>Oreochromis niloticus</i>)	A Kanthi, WMCS Jayaweera
T3	11.50 p.m.- 12.05 p.m.	Carbon Footprint of an Individual as a Key Identification Toward Maintaining a Sustainable Lifestyle: a Case Study in Faculty of Technology, University of Ruhuna	HAC Priyankara, KMW Rajawatta, RDAK Ranasinghe, WHAC Lakshani, RADTT Rupasinghe
T4	12.05 p.m. - 12.20 p.m.	The Economic Impact of 2017 Floods in Baddegama Divisional Secretariat Division in Galle District	MHN Mihiraj, EUU Rathnathunga, RUK Piyadasa

T5	12.20 p.m. - 12.35 p.m.	Anthocyanins Isolated from <i>Hibiscus syriacus</i> L. Protect the Ultraviolet B-induced Damage to HaCaT Keratinocytes and Zebrafish Larvae through Mitochondrial Reactive Oxygen Species Inhibition	WAHM Karunarathne, IMN Molagoda, KT Lee, JACC Jayasingha, Yung Hyun Choi, Sang-Mi Yu, Chang-Hee Kang, Gi-Young Kim
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Lunch Break (12.30 pm – 13.30 pm)

Technical Session II (1.30 pm – 3.30 pm)

**Venue: Tutorial room 1, Department of Physiology, Faculty of Medicine,
University of Ruhuna, Karapitiya**

Session Chair: Dr. KGSH Gunawardhana

**Evaluators: Dr. BLS Thilakaratne
Dr. PKSC Jayasinghe
Dr. KHT Karunarathne**

Together Towards Excellence in Technology (Oral Session 3-II)

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
T6	01.30 p.m.– 01.45 p.m.	Automated Cleaning Robot for a Domestic Environment	MPU Isuranga, HGT Milinda
T7	01.45p.m.– 02.00 p.m.	Conceptual Model to Identify Pest and Disease of Brinjal in Home Gardens: A Case Study	PHPN Laksiri, WA Indika, MKS Madushika, DL Wathugala,
T8	02.00p.m.– 02.15 p.m.	Identify the Supra Harmonics in Low Voltage Distribution System due to Photovoltaic Inverters	HC Ganegea

Technical Session I (11.35 am –12.35 pm)

Venue: Conference Hall, Faculty of Medicine, University of Ruhuna,
Karapitiya

Session Chair: Senior Prof. EAG Fonseka

Evaluators: Dr. SP Kahadagamage
Rev. N Wajiragnana
Mr. HR Gunawardana

Together Towards Excellence in Humanities (Oral Session 4-I)

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
H1	11.30 a.m.– 11.50 a.m.	ලේඛන හා භාෂණ සිංහලයේ විධි ක්‍රියා අනුසර්ගක පිළිබඳ ප්‍රතිරෝධාත්මක අධ්‍යයනයක්	ඩබ්ලිව්. ඕ. නිලකරන්ත, මොරකන්දේ ගොඩ අරියවංස හිමි
H3	11.50 p.m.- 12.05 p.m.	ජෝන් කීට්ස්ගේ “Ode to autumn”, සරෝජිනී නායිදුගේ “Indian weavers” සහ මහගම සේකරගේ "සන්නාලියනේ" යන නිර්මාණ පිළිබඳ තුලනාත්මක අධ්‍යයනයක්	ඩී.එම්. මලිෂා එච්. දසනායක, දර්ශන ලියනගේ, ආර්.කේ.ඒ.එන්. නිව්ටන් රත්නසිරි
H7	12.05 p.m. - 12.20 p.m.	දාර්ශනික භාෂාවේ සීමා සංකල්පය පිළිබඳ ආදි බෞද්ධ දාර්ශනික විග්‍රහය	RPDM Rajapaksha
H8	12.20 p.m. - 12.35 p.m.	An Enquiry into Theravada ābhidhammic Philosophy on paññatti & the Concept of Truth	Ven. Ekala Dhammanisanthi

Technical Session II (1.30 pm – 3.30 pm)

**Venue: Conference Hall, Faculty of Medicine, University of Ruhuna,
Karapitiya**

Session Chair: Senior Prof. EAG Fonseka

**Evaluators: Dr. SP Kahadagamage
Rev. N Wajiragnana
Mr. HR Gunawardana**

Together Towards Excellence in Humanities (Oral Session 4-II)

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
H12	01.30 p.m.– 01.45 p.m.	Strategies Used by English Language Teachers to Enhance Learner Autonomy - A Review	S Batuwatta
H19	01.45 p.m.– 02.00 p.m.	A study of the Influence of Buddhist Rituals for Mental Health (Regarding the Sripāda in Sri Lanka)	RM Patirana
H23	02.00 p.m.– 02.15 p.m.	The Structure and Usages of Optative Verbs in Classical Sinhalese Era	Rev. Morakandegoda Ariyawansa,
H24	02.15 p.m.– 02.30 p.m.	මත්ස්‍යව බෞද්ධ භාෂිත කාව්‍ය නිර්මාණවල බහුශාඛික ගුණය	Ven. Aparekke Sirisudhamma
H25	02.30 p.m.– 02.45 p.m.	ආර්‍යාන කාව්‍යයෙහි කථාචිතයාසය පිළිබඳ ඇරිස්ටෝටලියානු විග්‍රහයක් (ගුත්තිල කාව්‍යය ඇසුරෙන්)	NEH Lanka
H26	02.45 p.m.– 03.00 p.m.	A Critical Study of Grammarians' Ideologies on <i>Amukhyattha</i> (Subsidiary Meaning) with Special Reference to the <i>Saddasāratthajālīnī</i> and its <i>Ṭīkā</i>	Ven. OU Dhammadheera, Ven. B Dhammajoti, AS Bandara

Technical Session I (11.35 am –12.35 pm)

**Venue: Tutorial room, Department of Pharmacology, Faculty of Medicine,
University of Ruhuna, Karapitiya**

Session Chair: Dr. BM Sumanarathna

**Evaluators: Dr. NVGA Hemantha Kumara
Dr. RASP Ranabahu
Ms. M J K De Silva**

Together Towards Excellence in Social Sciences (Oral Session 5-I)

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
H2	11.35 a.m.– 11.50 a.m.	Ganapati, the God of the People: An Archaeological and Ethnographical Study	KVJ Koshalee
H5	11.50 p.m.- 12.05 p.m.	Socio-cultural Determinants Affecting Early Childhood Care and Education Policy in the Estate Community of Sri Lanka	S Udayanga, D Herath, P Ekanayake
H10	12.05 p.m. - 12.20 p.m.	Quarantine and Social Isolation During the COVID-19: Sociological Perspective	BKD Lakmali, HVK Piyumali, AMAS Gunasekara
H11	12.20 p.m. - 12.35 p.m.	The Role of Tradition, Modernization and Economic Factors for The Strengthening of Ethnic Identities	AMAS Gunasekara

Lunch Break (12.30 pm – 13.30 pm)

Technical Session II (1.30 pm – 3.30 pm)

**Venue: Tutorial room, Department of Pharmacology, Faculty of Medicine,
University of Ruhuna, Karapitiya**

Session Chair: Dr. BM Sumanarathna

**Evaluators: Dr. NVGA Hemantha Kumara
Dr. RASP Ranabahu
Ms. M JK De Silva**

Together Towards Excellence in Social Sciences (Oral Session 5-II)

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
H14	01.30 p.m.– 01.45 p.m.	An Analytical Study on Whether Physical Torture or Psychological Tactics were Caused in Defeating the Second Armed Struggle of the Janatha Vimukthi Peramuna (JVP)	DM De Silva, AMN Bandara
H15	01.45 p.m.– 02.00 p.m.	Significance of Sexual Counselling for Married Couples: Socio-psychological Perspective	T Wijesundara, BKD Lakmali
H18	02.00 p.m.– 02.15 p.m.	Impact of the Exchange Rate on USA-Sri Lanka Bilateral Trade	N Keembiyahetti
H20	02.15 p.m.– 02.30 p.m.	Impacts on Natural Resources in the Southern Coastal Area of Sri Lanka After 1980s	WKV Dayalatha
H21	02.30 p.m.– 02.45 p.m.	An Ethno-archaeological Study of the Kinnara People in Sri Lanka	W Bohingamuwa, NTS Thilakarathne, D Gamage, ABT Anuruddha, KHV Kasun

H22	02.45 p.m.– 03.00 p.m.	Knowledge and Attitude towards Pre-marital Counselling among Newly Married Couples	I Wanniarachchi
H27	03.00 p.m.– 03.15 p.m.	An Assessment of Success and Failures of Resettlement in Disasters; Special References to Oshinton Estate” in Bulathsinhala DS Division	PWS Fernando
H28	03.15 p.m.– 03.30 p.m.	The Relationship between Carbon Dioxide Emission and Gross Domestic Production of Sri Lanka	D Dilhani

Technical Session I (11.35 am –12.35 pm)

**Venue: Tutorial Room 2, Department of Physiology, Faculty of Medicine,
University of Ruhuna, Karapitiya**

Session Chair: Snr. Prof. Leslie Jayasekara

Evaluators: Mr. SAS Lorensuhewa

Dr. T Ilayperuma

Dr. JMRS Appuhamy

Together Towards Excellence in ICT & Mathematics (Oral Session 6-I)

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
A21	11.35 a.m.– 11.50 a.m.	Self-Organizing Map with Real-time Updating for Big Data Analysis that uses Bit Value Addition of the RGB Values of the Overlapped Data Points	KKLB Adikaram, PA Jayantha
E2	11.50 p.m.- 12.05 p.m.	Optimal Locations for Ambulance Service Stations – A Case Study in Galle District	S Seneviratne, C Seneviratne, T Rajapaksha
S10	12.05 p.m. - 12.20 p.m.	Forecasting Gold Prices in Sri Lanka Using ANN and KNN Approaches	EJKP Nandani
S13	12.20 p.m. - 12.35 p.m.	Drug Repositioning Using Sparse Graphs and Subnetwork Identification	PN Hameed, K Verspoor, S Halgamuge

Lunch Break (12.30 pm – 13.30 pm)

Technical Session II (1.30 am –2.30 pm)

**Venue: Tutorial Room 2, Department of Physiology, Faculty of Medicine,
University of Ruhuna, Karapitiya**

Session Chair: Snr. Prof. Leslie Jayasekara

**Evaluators: Mr. SAS Lorensuhewa
Dr. T Ilayperuma
Dr. JMRS Appuhamy**

Together Towards Excellence in ICT & Mathematics (Oral Session 6-II)

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
S16	01.30 p.m.– 01.45 p.m.	On Some Statistics of Poisson Distribution with Applications to a Particular Family of Biochemical Reaction Networks	N Yapage
S19	01.45 p.m.– 02.00 p.m.	Effect of Different Data Structures when Applying CLLA to Accelerate Computational Processing of the State-of-the-art Meshfree Based Plant Cellular Models	KGP Hansani, S Baduge, HCP Karunasena
S20	02.00 p.m.– 02.15 p.m.	Optimal Quarantine and Isolation Strategies for COVID-19 Based on a Mathematical Model	LW Somathilake, MCS Fernando

Technical Session I (11.35 am –12.35 pm)

Venue: Tutorial Room 3, Department of Physiology, Faculty of Medicine,
University of Ruhuna, Karapitiya

Session Chair: Prof. K.B. S Gunawickrama

Evaluators: Prof. HB Asanthi
Prof. S Wijethunga
Prof. PWA Perera

Together Towards Excellence in Soil, Water & Environmental science (Oral Session 7-I)

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
S7	11.35 a.m.– 11.50 a.m.	Heavy Metal Contents in Surface Sediments of Kalametiya Lagoon, Sri Lanka and Heavy Metal Uptake by <i>Typha angustifolia</i> L., a Wetland Sedge	H Teimoory, KAS Kodikara, PMCS De Silva, SK Madarasinghe, P Ranasinghe, HPPS Somasiri, Danee, F Dahdouh Guebas, LP Jayatissa
S17	11.50 p.m.- 12.05 p.m.	Floral and Leaf Epidermal Morphology of Two Selected Species in Genus <i>Plumeria</i> and Their Taxonomic	KAP Ayesha, KKGU Hemamali
S22	12.05 p.m. - 12.20 p.m.	Effects of Recent Land-use Changes on the Livelihood of the Displaced Residents in Hambantota Urban Area	SK Madarasinghe, KKAS Yapa, LP Jayatissa,

F1	12.20 p.m. - 12.35 p.m.	Oxygen Minimum Zone in the Southwestern Bay of Bengal: Observations During the Pre- summer Monsoon	G Pathirana, K Priyadarshani, PAKN Dissanayake, D Wang, T Priyadarshana, L Jian
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Lunch Break (12.30 pm – 13.30 pm)

Technical Session II (1.30 am –2.30 pm)

**Venue: Tutorial Room 3, Department of Physiology, Faculty of Medicine,
University of Ruhuna, Karapitiya**

Session Chair: Prof. K.B. S Gunawickrama

**Evaluators: Prof. HB Asanthi
Prof. S Wijethunga
Prof. PWA Perera**

**Together Towards Excellence in Soil, Water & Environmental science (Oral
Session 7-II)**

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
F3	01.30 p.m.– 01.45 p.m.	Feeding Preference of Sea urchin <i>Tripneustes gratilla</i> in Ahangama Rocky Reef, Southern Coast of Sri Lanka During Southwest Monsoon	RMGN Thilakarathna
A9	01.45 p.m.– 02.00 p.m.	Characterizing Spatial Distribution Patterns of Soil Water Repellency in a Eucalyptus Forest Soil Using GIS and Remote Sensing	DAL Leelamanie, PKSC Jayasinghe, TDP Liyanage, UI Samarawickrama
A10	02.00 p.m.– 02.15 p.m.	Influence of Biochar Addition on pH and EC of Municipal Solid Waste Composts	ISU Rupasinghe, AARW Abeysinghe, SR Amarasinghe, DAL Leelamanie
E3	02.15 pm– 02.30 pm	Competitive Interactions between Alligator Weed and <i>Mukunuwenna</i> when Nutrient Availability Varies	KC Ellawala, MNN Sujaw, H Kodithuwakku

Technical Session I (11.35 am –12.35 pm)

**Venue: Research Lab 1, Department of Physiology, Faculty of Medicine,
University of Ruhuna, Karapitiya**

Session Chair: Prof. DHN Munasinghe

**Evaluators: Prof. L Ranawake
Dr. SS Herath
Dr. PABN Perumpuli**

Together Towards Excellence in Livestock, Food & Biotechnology (Oral Session 8-I)

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
A1	11.35 a.m.– 11.50 a.m.	Assessment of Pain in Frisian Dairy Cows Reared in Two Upcountry NLDB Farms as Relief from Pain an Indicator of Welfare	D Senaratna, MARMS Malawaraarachchi TS Samarakone
A3	11.50 p.m.- 12.05 p.m.	Nuclear types on the Basidiospores and Mycelia of Edible Mushroom <i>Oudemansiella aparlosarca</i> and Its Influence on Basidiospore Diameter	RJ Rebecca, Qi Gao, Yujin Cui, C Rong, Yu Liu, W Zhao, KL Wasantha Kumara, S Wang
A19	12.05 p.m. - 12.20 p.m.	Optimization of Fermentation Conditions of Jaadi, Made from Indian Scad.	IS Samarasekara, PLN Lakshman
A22	12.20 p.m. - 12.35 p.m.	Leaf Morphology, Protogynous Dichogamy and Leaf Essential Oil Composition of Selected Cinnamomum Species in Sri Lanka	MR Prathibhani, RAAK Ranawaka, S Geekiyanage

Lunch Break (12.30 pm – 13.30 pm)

Technical Session II (1.30 am –2.30 pm)

**Venue: Research Lab 1, Department of Physiology, Faculty of Medicine,
University of Ruhuna, Karapitiya**

Session Chair: Prof. DHN Munasinghe

**Evaluators: Prof. L Ranawake
Dr. SS Herath
Dr. PABN Perumpuli**

**Together Towards Excellence in Livestock, Food & Biotechnology (Oral
Session 8-II)**

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
F2	01.30 p.m.– 01.45 p.m.	Characterization of Biofilm Formation by Vibrios Isolated from <i>Penaeus monodon</i>	BVSM Bopitiya, SU Pathiranage, GCP Fernando, HAD Ruwandeeepika, EGKYC Bandara, KHMA Deepananda
S2	01.45 p.m.– 02.00 p.m.	RNA Silencing Suppressor Protein of CaCV Triggers Hypersensitive Resistance Response in Capsicum; Candidate Avr Determinant	MK Shirani W Gamage RG Dietzgen
S3	02.00 p.m.– 02.15 p.m.	Comparison of the Quantities of Selected Phytochemicals of the Leaves of Seven Guava Varieties in Sri Lanka	S Kokilananthan, VP Bulugahapitiya, CS Gangabadage, H Manawadu

S5	02.15 pm- 02.30 pm	Preliminary Study on Phytochemical, Proximate and Physicochemical Parameters of the Yellow Variety of Cashew Apple (<i>Anacardium occidentale</i>) Grown in Giradurukotte Region, Sri Lanka.	VP Bulugahapitiya, HKS Samarasekara
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Technical Session I (11.35 am –12.35 pm)

**Venue: Lecture Theater D, Department of Physiology, Faculty of Medicine,
University of Ruhuna, Karapitiya**

Session Chair: Dr. MK Wanniarachchige

**Evaluators: Dr. TR Wijesundara
Dr. J Ramawickrama
Ms. S. Ganewatta**

Together Towards Excellence in Management (Oral Session 9-I)

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
MA2	11.35 a.m.– 11.50 a.m.	The Effect of Corporate Governance on Corporate Social Responsibility: Evidence from Sri Lanka	KDTN Weerasinghe
MA3	11.50 p.m.- 12.05 p.m.	The Impact of Consumers' Attitudes on Green Purchase Intention	RMPD Rathnayaka, TSLW Gunawardana,
MA4	12.05 p.m. - 12.20 p.m.	The Impact of Job-Related Stress on Employee Performance: With Special Reference to Banking Sector of Kalutara District	MN Maduwanthi, RMDD Rathnayake,
MA5	12.20 p.m. - 12.35 p.m.	Revitalizing Grassroots Democracy: A Failed Attempt from a Sri Lankan Municipal Council	V Gunarathna

Lunch Break (12.30 pm – 13.30 pm)

Technical Session II (1.30 am –2.30 pm)

**Venue: Lecture Theater D, Department of Physiology, Faculty of Medicine,
University of Ruhuna, Karapitiya**

Session Chair: Dr. MK Wanniarachchige

**Evaluators: Dr. TR Wijesundara
Dr. J Ramawickrama
Ms. S. Ganewatta**

Together Towards Excellence in Management (Oral Session 9-II)

Abstract Number	Time	Title of the Abstract	Author / Co-Authors
MA6	01.30 p.m.– 01.45 p.m.	The Challenging Role of Street Vendors: The Untapped Resource in the Informal Economy	AC Karunaratna
MA7	01.45 p.m.– 02.00 p.m.	Customer Loyalty and Its Antecedents: The Context of Mobile Phone Telecommunications Service Industry	AC Karunaratna, PAPS Kumara
MA8	02.00 p.m.– 02.15 p.m.	Impact of Entrepreneurship Training on Performance of Small and Medium Enterprises in Southern Province	PSD Punchihewa, BBDS Abeykoon
MA10	02.15 p.m.– 02.30 p.m.	Antecedents of Employee Engagement among Machine Operators in Apparel Industry	GMD Apsaraa, BL Galhena
MA11	02.30 p.m.– 02.45 p.m.	The Relationship between Breadth of Outreach and Financial Sustainability of Microfinance Institutions in Sri Lanka	HSC Perera M De Zoysa

MA12	02.45 p.m.– 03.00 p.m.	Would you help a Charity? The Case of Sri Lankan Millennials	APTS De Silva, AB Sirisena
MA13	03.00 p.m.– 03.15 p.m.	Effect of Online Purchase on Customer Satisfaction With Special Reference to <i>Online</i> Lotteries of Development Lotteries Board, Sri Lanka	NVI Madhumali, TSLW Gunawardana
A11	03.15 p.m.– 03.30 p.m.	Entrepreneurial Perception and Intention of Agribusiness Management Undergraduates: A Case of Faculty of Agriculture, University of Ruhuna	MGT Lakmali, GC Samaraweera
A12	03.30 p.m. - 03.45 p.m.	Impact of Eco-Labeling on Consumer Purchase Intention: The Role of Gender	SU Wagachchi, DMM Sandeepani, PVS Harshana, GC Samaraweera

Thank you!!!



18th Academic Sessions

03rd March 2021

