

16th Academic Sessions and 15th Vice Chancellor's Awards Ceremony -2019

06th March 2019, Faculty of Science, University of Ruhuna

Agenda

7.30 – 8.30	Registration & Refreshment
8.30 – 8.40	Ceremonial Procession
8.40 - 8.45	Welcome Dance
8.45 - 8.50	Lighting of Traditional Oil Lamp
8.50 - 8.55	University Anthem
8.55 – 9.05	Welcome Address Professor Vajira P Bulugahapitiya Chairperson of the 16 th Academic Sessions University of Ruhuna
9.05 - 9.15	Address by the Deputy Vice Chancellor Dr. AMN Alagiyawanna Deputy Vice Chancellor, University of Ruhuna
9.15 – 9.30	Address by the Chief Guest Senior Professor Gamini Senanayake Vice Chancellor, University of Ruhuna
9.30 - 10.00	Keynote Speech – Building a Research Culture in Sri Lanka Senior Professor Veranja Karunaratne The Vice Chancellor, SLINTEC Academy Department of Chemistry University of Peradeniya
10.00 – 10.05	Cultural Item
10.05 – 10.35	Invited Oration – Fundamental Building Blocks of the Universe Senior Professor WGD Dharmaratna Dean, Faculty of Technology, University of Ruhuna
10.35 – 10.45	Best Presenter Awards, 15th Academic Sessions
10.45 – 11.05	15th Vice Chancellor's Awards
11.05 – 11.20	Award of Professor Emeritus
11.20 – 11.30	Felicitation of Senior Professor PRT Cumararatunga
11.30 – 11.35	Vote of Thanks Dr. Chinthaka Sanath Gangabadage Secretary of the 16 th Academic Sessions University of Ruhuna
11.35 – 11.40	National Anthem
11.45 – 12.30	Technical Session I & Poster Sessions
12.30 – 13.30	Lunch
13.30 – 15.30	Technical Session II
15.30 – 16.00	Refreshments

ORAL Presentation Sessions

Please note that the abstract IDs have been changed from the original

Technical Session 1 – Science, Fisheries & Aquatic Sciences (Oral)

Venue – Mini Auditorium, Department of Physics

Time	Abstract ID	Title and Author/s
13.30 - 13.45	SFA-01	Nutrient Composition of Selected Improved and Traditional Rice varieties (<i>Oryza sativa</i> L.) <i>VP Bulugahapitiya, RF Hafeel, GED de Zoysa, AP Bentota and MGM Dulanthi</i>
13.45 - 14.00	SFA-02	A Preliminary Study on Mangrove Forest Dieback in Kalametiya Lagoon, Southern Province of Sri Lanka <i>JCM Gamage, SK Madarasinghe, KAS Kodikara, NP Dissanayake, KKAS Yapa and LP Jayatissa</i>
14.00 - 14.15	SFA-03	Fenton Catalyzed Degradation of Pesticide Containing Wastewater <i>CMD Dissanayake and S Wanniarachchi</i>
14.15 - 14.30	SFA-04	Estimation of Limits of Food Colourings in Soft Juices and Sweets Available in Local Market of Matara, Galle and Hambanthota Districts <i>RVGS Rasanjalee and Shriya H Wadumethrige</i>
14.30 - 14.45	SFA-05	Toxicity of Aqueous Leaf Extract of <i>Piper betle</i> L. (Piperaceae) Against <i>Aphis craccivora</i> (Homoptera: Aphididae) <i>WAK Thakshila, WTS Dammini Premachandra and MGW Wickramasinghe</i>
14.45 - 15.00	SFA-06	Determination of Photoprotective Potential in Herbal Sunscreen Formulations Prepared from <i>Atalantia ceylanica</i> (Yaki-narang) Extract <i>CE Liyanaarachchi, M Napagoda, S Malkanthi, K Abayawardana, WSG De Soysa, S Witharana and L Jayasinghe</i>
15.00 - 15.15	SFA-07	Development of an Effective Method for Identification of <i>Mercenaria mercenaria</i> , <i>Mercenaria campechiensis</i> and Their Hybrids for Clam Breeding and Aquaculture <i>EJ Heenkenda and H Yang</i>
15.15 - 15.30	SFA-08	Three Degree of Freedom Magnetic Levitation Simulation with Zero Power Control <i>Buddhika Annasiwaththa</i>

Technical Session 2 – Medicine & Allied Health Sciences (Oral)

Venue – Conference Room, Department of Chemistry

Time	Abstract ID	Title and Author/s
13.30 - 13.45	MAH-01	Prevalence of Generalized and Central Obesity in a Group of Pre and Postmenopausal Women in Galle <i>Nirmala Rathnayake, Gayani Alwis, Janaka Lenora and Sarath Lekamwasam</i>
13.45 - 14.00	MAH-02	Antioxidative, Anti-inflammatory and Cardioprotective Effects of <i>Nauclea orientalis</i> Bark Extract on Doxorubicin Induced Oxidative-stress <i>JAN Sandamali, RP Hewawasam, KAPW Jayatilaka and LKB Mudduwa</i>
14.00 - 14.15	MAH-03	Association between Serum Vitamin D and Body Mass Index and Fat Mass in a Group of Community Dwellers <i>EH Silva, CM Wickramatilake, S Lekamwasam, LKB Mudduwa, R Ubayasiri and GED De Zoysa</i>
14.15 - 14.30	MAH-04	A Soft Actuated Mouth Exercising Device for Oral Physiotherapy for OSF Patients <i>KJC Kumara, HN Geelaka, P Peiris and R Jayasinghe</i>
14.30 - 14.45	MAH-05	Adverse Consequences of Illicit Drug Use Among Male Illicit Drug Users Admitted to Drug Rehabilitation Centers in Sri Lanka <i>ILAN Darshana, CJ Wijesinghe and PV De Silva</i>
14.45 - 15.00	MAH-06	Association between Anthropometric Indices and Total Body Bone Mineral Density (TBBMD) in Pre- and Post-menopausal Females <i>MRP Hasanga, S Lekamwasam, CM Wickramatilake and J Lenora</i>
15.00 - 15.15	MAH-07	Evaluation of Immediate Post-Partum Intra Uterine Device (PPIUD) Services in Teaching Hospital Mahamodera (THM), Galle – A Cross-sectional Study <i>DLW Dasanayake and DMY Amarasinghe</i>

Technical Session 3 - Agriculture and Environmental Sciences (Oral)

Venue - Mini Auditorium, Department of Computer Science

Time	Abstract ID	Title and Author/s
13.30 - 13.45	AES-01	A Preliminary Assessment of the Phylogenetic Relationship of the Bats Referred to <i>Miniopterus fuliginosus</i> (Miniopteridae) in Sri Lanka <i>Tharaka Kusuminda, Amani Mannakkara, Kanishka DB Ukuwela, Mathisha Karunaratna, Bruce D Patterson and Wipula B Yapa</i>
13.45 - 14.00	AES-02	Assessment of Heavy Metals in Compost Produced from Invasive Water Hyacinth (<i>Eichhornia crassipes</i>) in Moragoda Canal, Galle, Sri Lanka <i>SR Amarasinghe</i>
14.00 - 14.15	AES-03	Functional Trait Diversity among Wild Species of Rice in Sri Lanka <i>Salinda Sandamal, Asanka Tennakoon and Disna Ratnasekera</i>
14.15 - 14.30	AES-04	Molecular Mechanisms of Growth Responses in Wheat (<i>Triticum aestivum</i> L.) at Elevated Carbon Dioxide Conditions <i>Dananjali Ganage, Mark Sutherland, Naoki Hirotsu and Saman Seneweera</i>
14.30 - 14.45	AES-05	Utilization of Mangosteen (<i>Garcinia mangostana</i> L.) Peel Powder Extract for the Production of Functional Stirred Yoghurt <i>NMNK Narayana, AGN Wimanshinee and MNP Perera</i>
14.45 - 15.00	AES-06	Abundance of Insect Predators and Water Quality of Two Different Aquatic Habitats in Galle District, Sri Lanka <i>DMDS Dissanayake and HCE Wegiriya</i>
15.00 - 15.15	AES-07	Toxicity Effects of Chlorpyrifos on Growth and Survival of <i>Polypedates cruciger</i> (Blyth) in Acute and Chronic Exposures <i>KAM Sudarshani and HCE Wegiriya</i>
15.15 - 15.30	AES-08	Removal of Nutrients in Agricultural Runoff by Using Planted Systems <i>Hasini Kodithuwakku and Champika Ellawala</i>

Technical Session 4 – Social Sciences & Management (Oral)

Venue – Board Room, Faculty of Science

Time	Abstract ID	Title and Author/s
11.45 - 12.00	SSM-01	Redefining Attributes of the Graduate Profile: A Study on the Industry Perspective <i>AC Karunaratna</i>
12.00 - 12.15	SSM-02	Complaining Ease, Complaint Satisfaction, Brand Image and Customer Loyalty <i>Amila Buddhika Sirisena</i>
12.15 - 12.30	SSM-03	Effect of Gender on Eco -Brand Purchase Intention: A Case Study in Mapalana, GS Division <i>KGG Hasaranga, DGJS Wijethunge, and GC Samaraweera</i>
12.30 - 13.30		Lunch Break
13.30 - 13.45	SSM-04	බෞද්ධ පූජා වාර්තා හා උත්සවවලින් ප්‍රභාවිත රෙජරවැඳි ආචාර ධර්ම පිළිබඳ හැඳින්වීමක් ආර්. මලවි පතිරණ
13.45 - 14.00	SSM-05	වෛද්‍යවේදයේ රෝග පිළිබඳ බෞද්ධ ආකල්පය: ආහිංසාමය අකුසල වෛද්‍යවේදයේ සංකල්පයේ විස්තරය <i>සමිඨා උදයාංග</i>
14.00 - 14.15	SSM-06	Coastal People's Identification of Mangrove Species in the Southern Coastal Area <i>WKV Dayalatha</i>
14.15 - 14.30	SSM-07	Investigation of Equity in Economic Development: A Case Study in Matara District, Sri Lanka. <i>AJ Jayasekara, LALW Jayasekara, and BM Sumanarathne</i>
14.30 - 14.45	SSM-08	Ethno-epistemological Inquiry into Constructivist Justification of Social Action <i>Samitha Udayanga</i>
14.45 - 15.00	SSM-09	Diversity of Reptile and Amphibian Fauna in the Eastern and Southern Parts of the Sinharaja Rain Forest <i>HIGC Kumara and VAMPK Samarawikrama</i>
15.00 - 15.15	SSM-10	Complications Associated with Teaching Content- Based Language in Higher Education <i>HMNN Herath</i>
15.15 - 15.30	SSM-11	බෞද්ධ උපදේශන න්‍යායයන් වශයෙන් යෝනිසෛමන්තිකව සංකල්පයෙහි උපයෝගීකරණ පිළිබඳ විමර්ශනයක් <i>සමිඨා උදයාංග</i>

Technical Session 5 – Engineering & Technology (Oral)

Venue – Prof. Alawattagoda Pemadasa Auditorium

Time	Abstract ID	Title and Author/s
13.30 – 13.45	ENT-01	An Imagery based Automatic Traffic Sign Detection Method for Sri Lankan Road System <i>IB Hewanayake, AMAL Gunarathne, AKU Ranasinghe, CKW Seneviratne and WNBAG Priyankara</i>
13.45 – 14.00	ENT-02	An Adaptive FN-SPH (AFN-SPH) Method to Improve the Computational Efficiency in Simulating Problem Domains with Deforming Boundaries <i>KGP Hansani, AKCI Kodithuwakku, HCP Karunasena and B Sumith</i>
14.00 – 14.15	ENT-03	An Analytical Model to Locate Emergency Services <i>SW Seneviratne and SC Wirasinghe</i>
14.15 – 14.30	ENT-04	Development of Alternative Hydraulic Fluid Using Palm Oil <i>TKKS Pathmasiri, GIP Perera and R Galle</i>
14.30 – 14.45	ENT-05	Analysis of the Dimensional Properties of “Samanala/Dingy” Boats Manufactured in Sri Lanka by Using DNV-GL Standards <i>MTT Ranjana, UIK Galappaththi, S Baduge and WK Wimal Siri</i>
14.45 – 15.00	ENT-06	A Small-Scale Wave Energy Converter System for Effective Extraction and Storage of Energy from Sea Waves for Power Generation Applications <i>AMCP Aththanayaka, SHPM Dharmapriya and HCP Karunasena</i>
15.00 – 15.15	ENT-07	Design, Fabrication and Test of Plano-Convex Lenses Using Locally Available Materials for Applications in Telescopes <i>MKTM Sameera, BATM Thilakarathne, KG Samarathna, AGPD Alahakoon, HDS Amaradasa, HADSD Perera and GDK Mahanama</i>
15.15 – 15.30	ENT-08	Thermal Efficiency of Evacuated Tube Receivers in Steam Generation under Concentrated Solar Power <i>EM Ranatunga, NK Hettiarachchi and MK Aberathne</i>

POSTER SESSIONS

Please note that the abstract IDs have been changed from the original

Technical Session 6 – Agriculture & Environmental Sciences (Poster)

Venue – Science Faculty Complex

Time	Abstract ID	Title and Author/s
11.45 – 12.30	PS-01	A Preliminary Investigation on Potential Use of Cinnamon Outer Corky Layer as a Substrate for <i>Pleurotus Ostreatus</i> (Oyster Mushroom) Cultivation <i>PCD Perera, KMTS Bandara, AA Wijeweera, WMRH Wickramasinghe and KLV Kumara</i>
	PS-02	Assessment of Potential Water Repellency of Litter Components in <i>Casuarina Equisetifolia</i> Plants <i>TDP Liyanage and DAL Leelamanie</i>
	PS-03	Effects of 2-methyl-4-chlorophenoxyacetic acid (MCPA) on <i>Lemma valdiviana</i> <i>HPAT Weerakoon, GED Jayalath, KSS Atapaththu and HB Asanthi</i>
	PS-04	Plant and Benthic Macroinvertebrates Communities in the Headwater Region of a Stream: Case Study Waturawa Ela a Tributary of Ginganga, Deniyaya <i>Kelum Sanjaya, Keerthi Atapaththu, Eranga Dilshan, Athri Thathsarani and Chandani Chalanika</i>
	PS-05	Ant - Insect Associations in Selected Sites in Matara District <i>BHOS Peiris, HCE Wegiriya and MGW Wickramasinghe</i>
	PS-06	Arthropod Fauna on Mung Bean (<i>Vigna radiata</i> L.) Under Rice Fallow in Southern Dry Zone of Sri Lanka <i>MH Sisira Kumara, WMPN Dilusha and HCE Wegiriya</i>

Technical Session 7 – Engineering & Technology (Poster)

Venue – Science Faculty Complex

Time	Abstract ID	Title and Author/s
11.45 – 12.30	PS-07	Application of GPGPU for the Reduction of Computational Time of Smoothed Particle Hydrodynamics Based Numerical Models to Simulate Morphological Changes of Single Plant Cells during Drying <i>AKCI Kodithuwakku, KGP Hansani, HCP Karunasena and S Baduge</i>
	PS-08	Smart Meters for Monitoring Power Quality in Distribution Grid <i>WR Eranda, RM Kudahetti, AWAV Madusanka, KMIU Ranaweera and DS De Silva</i>
	PS-09	Motion Planning of a Robotic Manipulator for 3D Scanning of Moving Objects on a Conveyor <i>DRBKK Weerasekara and KJC Kumara</i>
	PS-10	Conversion of Waste Polyethylene into Hydrocarbon Fuel - Analysis of the Effect of Set Temperature on Reaction Time and Liquid Yield <i>EP Rohan, B Sumith, WRN Gunarathna and NKTD Karunaratna</i>

Technical Session 8 – Biochemical Sciences (Poster)

Venue – Science Faculty Complex

Evaluators: Dr. TG Dayananda
Dr. (Mrs.) AL Ranawake
Dr. KSS Atapattu

Session Convener: Ms. P.K. Jayasekara

Time	Abstract ID	Title and Author/s
11.45 - 12.30	PS-11	Preliminary Study on Phytochemical and Proximate analysis of Leaves of <i>Plectranthus amboinicus</i> (Roxb.) of Sri Lankan Origin AMSS Amarasiri, AP Attanayake, LDAM Arawawawala, KAPW Jayatilaka and LKB Muddurwa
	PS-12	Does the Folk Medicinal Plant <i>Indigofera tinctorica</i> has Effective Activity Against Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA)? WSG De Soyza, MT Napagoda, WMDGB Wijayarathne and S Witharana
	PS-13	The Change in Contents of Vitamin C, Total Phenolic, Total Flavonoid and Antioxidant Activities of Selected Fruits Stored under Refrigeration VP Bulugahapitiya, APHI Abeysuriya and LP Jayatissa
	PS-14	Preliminary Investigation of Leaves of <i>Costus speciosus</i> and <i>Aporosa lindleyana</i> for Their Biochemical Composition VP Bulugahapitiya and SSI Jayarathne

Technical Session 9 – Social Sciences (Poster)

Venue – Science Faculty Complex

Time	Abstract ID	Title and Author/s
11.45 - 12.30	PS-16	The Career Prospect of Undergraduates: An Empirical Study of Management Students AC Karunaratna

Faculty of Science

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Matara

