



# **Sri Lanka Association for the Advancement of Science GLANCE PROGRAMME - 74<sup>th</sup> Annual Session, 2-8 Dec.,2018**

*Theme: "Space Science and Technology Applications for Sustainable Development"*

**Host Institution - University of Colombo, Sri Lanka**

<b>Ceremonial Inauguration</b>	<b>2<sup>nd</sup> December 2018 - Main Conference Hall, BMICH</b>
<b>Theme Seminar</b>	<b>3<sup>rd</sup> December 2018 - Lotus ballroom, Shangri-La Hotel</b>
<b>Scientific Sessions</b>	<b>4<sup>th</sup> - 7<sup>th</sup> December 2018 - University of Colombo, Faculty of Science &amp; UCSC</b>
<b>All Island School Inventors' Competition cum Exhibition</b>	<b>5<sup>th</sup> - 8<sup>th</sup> December 2018 - University of Colombo, Faculty of Science, Physics Building</b>
<b>"S &amp; T 70" Science &amp; Technology Exhibition</b>	<b>5<sup>th</sup> - 8<sup>th</sup> December 2018 - University of Colombo, Faculty of Science &amp; UCSC</b>
<b>Annual General Meeting</b>	<b>7<sup>th</sup> December 2018 at 11.15 a.m. - Auditorium, University of Colombo School of Computing</b>

(Visit [www.slaas.lk](http://www.slaas.lk) for online information about the 74<sup>th</sup> Annual Session and latest updates)

Co - organizer :

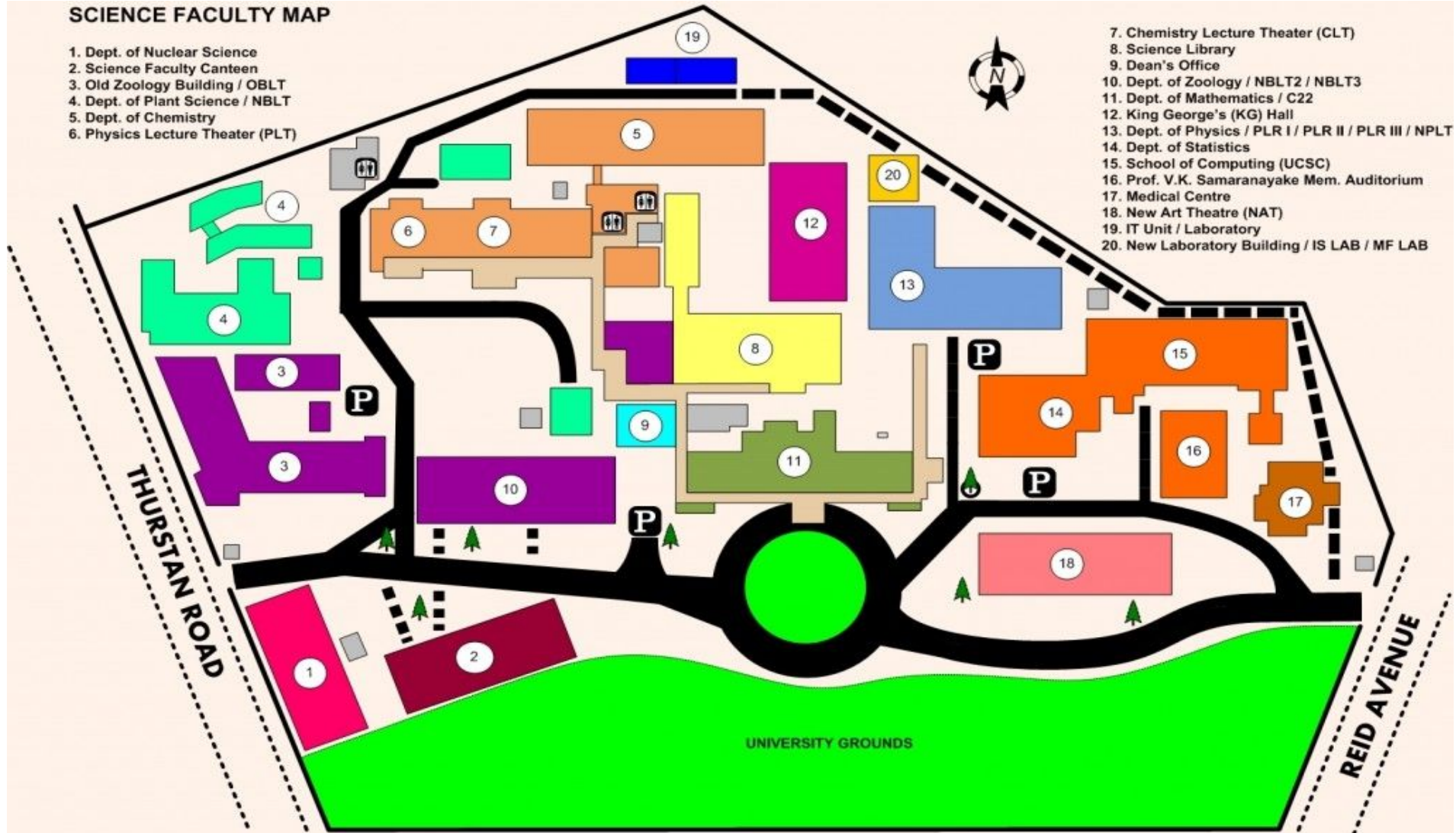


SCIENTIFIC SESSIONS AT THE UNIVERSITY OF COLOMBO : Faculty of Science & UCSC

SCIENCE FACULTY MAP

- 1. Dept. of Nuclear Science
- 2. Science Faculty Canteen
- 3. Old Zoology Building / OBLT
- 4. Dept. of Plant Science / NBLT
- 5. Dept. of Chemistry
- 6. Physics Lecture Theater (PLT)

- 7. Chemistry Lecture Theater (CLT)
- 8. Science Library
- 9. Dean's Office
- 10. Dept. of Zoology / NBLT2 / NBLT3
- 11. Dept. of Mathematics / C22
- 12. King George's (KG) Hall
- 13. Dept. of Physics / PLR I / PLR II / PLR III / NPLT
- 14. Dept. of Statistics
- 15. School of Computing (UCSC)
- 16. Prof. V.K. Samaranyake Mem. Auditorium
- 17. Medical Centre
- 18. New Art Theatre (NAT)
- 19. IT Unit / Laboratory
- 20. New Laboratory Building / IS LAB / MF LAB



**SLAAS - Theme Seminar 2018**  
**"Space Science and Technology Applications**  
**for Sustainable Development"**

**03<sup>rd</sup> December 2018**  
**08.15 a.m. to 4.00 p.m.**

**Venue: Lotus Ballroom, Shangri-La Hotel**  
**Colombo 01**

**Subsidized Registration Fee : Rs. 1,000/-**

*(Limited seats)*

**To register please contact:**  
**Administrative Officer**

**Sri Lanka Association for the**  
**Advancement of Science (SLAAS)**  
**"Vidya Mandiraya"**

**120/10, Wijerama Mawatha, Colombo 07**

**Phone: (011) 2688740/ 2691681**

**Visit [www.slaas.lk](http://www.slaas.lk) for latest updates and programme details**

**SLAAS Theme Seminar 2018**  
**"Space Science and Technology Applications for Sustainable Development"**

**Programme**

08.15 – 08.45 a.m.	Registration
08.45 – 08.55 a.m.	Traditional lighting of the oil lamp
08.55 – 09.00 a.m.	Welcome address – <b>Prof. Chandana Jayaratne</b> , General President, SLAAS
09.00 – 09.15 a.m.	Invited Speech - <b>Prof. Sirimali Fernando</b> , Chairperson, National Science Foundation
09.15 – 09.55 a.m.	<b>"Digital Focal Plane Array Technology for Sustainable Space Remote Sensing Applications"</b> <b>Dr. Sarath Gunapala</b> , Senior Research Scientist, NASA Jet Propulsion Laboratory, USA, and Director, Centre for Infrared Potodetectors, USA
09.55 – 10.05 a.m.	Discussion
10.05 – 10.35 a.m.	Tea
10.35 – 11.15 a.m.	<b>"Research of Geomagnetism for Earth and Space Environment"</b> <b>Prof. A. Yoshikawa</b> , Associate Professor, International Centre for Space Weather and Education, Kyushu University, Fukuoka, Japan
11.15 – 11.55 a.m.	<b>"How can Space Technology Contribute to the Development of Modern Medicines?"</b> <b>Prof. Veranja Karunaratne</b> , Senior Professor in Chemistry, University of Peradeniya and The Vice Chancellor of SLINTEC Academy, Sri Lanka Institute of Nanotechnology (SLINTEC), Homagama
11.55 – 12.35 p.m.	<b>"Aerospace Engineering and Technology - Opportunities and Challenges"</b> <b>Dr. Keerthi Devendra</b> , Director/Consultant, K D Engineering Consultancy, Derby, UK; Former Chief of Subsystems & Principal Engineer, Roll-Royce Plc. Derby, UK, and Former Head of DAR'S/Assystem, UK
12.35 – 12.45 p.m.	Discussion
12.45 – 01.45 p.m.	Lunch
01.45 – 02.25 p.m.	<b>"Use of Space Science and Technology for Sustaining Terrestrial Life"</b> <b>Prof. Devaka Weerakoon</b> , Professor in Zoology, Department of Zoology and Environment Sciences, University of Colombo, Sri Lanka
02.25 – 03.05 p.m.	<b>"Drone Based Precision Agriculture for Sustainability and Economic Development"</b> <b>Prof. Rohan Munasinghe</b> , Department of Electronic and Telecommunication Engineering, University of Moratuwa, Moratuwa, Sri Lanka
03.05 – 03.45 p.m.	<b>"Space Science Applications in Geo-science"</b> <b>Prof. N. Deepal Subasinghe</b> , President - Geological Society of Sri Lanka, National Institute of Fundamental Studies, Hantana Rd. Kandy, Sri Lanka
03.45 – 03.55 p.m.	Discussion
03.55 – 04.00 p.m.	Vote of Thanks - <b>Prof. Preethi Udagama</b> , General President-Elect
04.00 p.m.	Tea

**End of Programme**

## PRESIDENTIAL ADDRESSES

Venue : New Physics Lecture Theater (NPLT) & UCSC Auditorium, University of Colombo

**Section A :**

5<sup>th</sup> December 2018 @ 01.15 p.m. (NPLT)

*Evidence Based Clinical Drug Development: Standards and Regulation in Sri Lanka*

Dr. Kamal Perera

**Section B :**

5<sup>th</sup> December 2018 @ 11.30 a.m. (NPLT)

*Biomass Energy: A Sustainable Mitigation Option for Green House Gas (GHG) Emissions*

Dr. W. A. Rangika T. W. Bandara

**Section C :**

4<sup>th</sup> December 2018 @ 11.00 a.m. (NPLT)

*Living with Dust Particles in the Air: Current Status and Future Outlook for Sri Lanka*

Dr. Meththika Vithanage

**Section D :**

6<sup>th</sup> December 2018 @ 1.00 p.m. (NPLT)

*Male Infertility Problem in the Modern World: Present Status and Future Focus*

Prof. Dinithi Peiris

**Section E1 :**

7<sup>th</sup> December 2018 @ 10.15 a.m. (UCSC)

*Solar Energy and Wind Energy for Future Sri Lanka*

Dr. K. M. D. C. Jayathilake

**Section E2 :**

5<sup>th</sup> December 2018 @ 3.30 p.m. (NPLT)

*Phytoextraction of Heavy Metals From Contaminated Environments-Using Plants to Clean up the Mess We Make*

Dr. R. C. L. de Silva

**Section E3 :**

6<sup>th</sup> December 2018 @ 11.00 a.m. @ (NPLT)

*Challenges in Digital Image Tamper Detection: Noise Centric Approaches*

Dr. Lochandaka Ranathunga

**Section F :**

4<sup>th</sup> December 2018 @ 1.00 p.m. (NPLT)

*Sustainable Measures to Safeguard the Families of CKDu Patient in Sri Lanka*

Prof. Sarath Amarasinghe

## SCIENTIFIC SESSIONS AT THE UNIVERSITY OF COLOMBO

### Oral Presentations

<b>Section A</b>	CLT (2nd Floor, New Building, Department of Chemistry)
<b>Section B</b>	PLT (2nd Floor, Old Building, Department of Chemistry)
<b>Section C</b>	Plant Science Seminar Room 02 (1st Floor, New Building, Department of Plant Science)
<b>Section D</b>	Plant Science Seminar Room (1st Floor, Old Building, Department of Plant Science)
<b>Section E1</b>	Seminar Room 01 (2nd Floor, New Building, Department of Chemistry)
<b>Section E2</b>	NCLT – (1st Floor, New Building, Department of Chemistry)
<b>Section E3</b>	Room 01, Department of Statistics (UCSC Building)
<b>Section F</b>	Seminar Room 02 (3rd Floor, New Building, Department of Chemistry)

### Other Venues

<b>SLAAS Office</b>	Ground Floor Room - Department of Physics
<b>Member's Lounge</b>	CBR - Chemistry Board Room
<b>Business Meetings</b>	Sectional Venues
<b>Presidential Addresses</b>	All in New Physics Lecture Theatre except Section E <sub>1</sub> (@ UCSC)
<b>Annual General Meeting</b>	Auditorium, UCSC
<b>Tea &amp; Refreshments</b>	In front of Old Chemistry Building
<b>Council Meeting</b>	Board Room, Dean's Office

### Exhibitions

<b>All Island School Inventors' Competition cum Exhibition</b>	Department of Physics
<b>"S &amp; T 70" Science Technology Mega Exhibition</b>	Faculty of Science & UCSC
<b>Free Planetarium Shows</b>	

## Exhibitions, Symposia, Public Talks and Other Events

<p><b>All Island School Inventors' Competition cum Exhibition</b> (conduct under the patronage of Sri Lanka Inventors Commission) 05<sup>th</sup> - 08<sup>th</sup> December 2018 Faculty of Science - Physics Building</p>	<p><b>Poster Presentations</b> 04<sup>th</sup> - 07<sup>th</sup> December 2018 Corridor around Dean's Office</p>	<p><b>Public Talk</b> <b>Jointly Organized by Section A &amp; B</b> by Associate Prof. Charani Ranasinghe on "Design of a novel HIV vaccine strategy, bench to clinic" 6<sup>th</sup> December @ 2.00 p.m. - 3.00 p.m. Venue: New Physics Lecture Theatre (NPLT)</p>
<p><b>"S &amp; T 70" Science and Technology Mega Exhibition</b>  05<sup>th</sup> - 08<sup>th</sup> December 2018 9.00 a.m. - 4.00 p.m.  Faculty of Science &amp; UCSC</p>	<p><b>Astronomical Night Sky Observation Camp (Conducted by Astronomy &amp; Space Science Unit, University of Colombo)</b>  06<sup>th</sup> December 2018 6.00 p.m. onwards  Faculty of Science - Astronomical Observatory</p>	<p><b>Public Talk</b>  by Dr. Nalin Samarasingha, Senior Scientist, Planetary Science Institute, USA  on "A Reinvigorated Solar System" 7<sup>th</sup> December from 8.45 a.m. - 9.15 a.m. Venue: New Physics Lecture Theatre (NPLT)</p>
		<p><b>Public Talk</b>  by Prof. Vellayan Subramaniam, immediate Former General Secretary, Malaysian Scientific Association  on " The Future of Wildlife in Peninsular Malaysia " 05<sup>th</sup> December from 2.15 a.m. - 3.00 p.m. Venue: New Physics Lecture Theatre (NPLT)</p>
<p><b>Free Planatarium Shows at Sri Lanka Planatarium @ 12.00 noon for Exhibition Visitors</b></p>		
<p><b>Annual Dinner</b> <b>"Winchester Ballroom", The Kingsbury Hotel, Colombo 01</b> <b>Wednesday 05<sup>th</sup> December 2018</b> 7.00 p.m. onwards</p> <p><i>A limited number of tickets (LKR 6,000/-) are available at SLAAS office (Subsidized rate for members: LKR 3,000/-)</i></p> <p style="text-align: right;">Contact : 0112688740 / 0112691681</p>		

04 <sup>th</sup> December 2018 (Tuesday) Ctd..				
Time	Section A	Section B	Section C	Section D
8.00 a.m.		<p><b><u>201/B</u></b> Phytochemical content and antioxidant capacity of different parts of <i>Aegle marmelos</i> (L.) Correa.</p> <p><i>E C U Egodagedara</i> <i>R M Dharmadasa</i> <i>D C Abeyasinghe</i></p>		<p><b><u>401/D</u></b> Preliminary survey of the invertebrate fauna in "Wavul-Galge", A natural cave of Sri Lanka</p> <p><i>A L A N N Perera</i> <i>C D Dangalle</i> <i>W B Yapa</i></p>
8.15 a.m.		<p><b><u>202/B</u></b> Screening of four locally available <i>Solanum</i> species for physical, phytochemical and antioxidant capacity</p> <p><i>W D P Chathurangika</i> <i>D C Abeyasinghe</i> <i>R M Dharmadasa</i></p>		<p><b><u>402/D</u></b> A preliminary study on morphometric variations in three butterfly families of Sri Lanka</p> <p><i>R M P B Gunathunga</i> <i>P P D Perera</i> <i>D M C K Wijerathne</i> <i>R W A R I Wanniarachchi</i> <i>M A D Cooray</i> <i>C D Dangalle</i></p>
8.30 a.m.		<p><b><u>203/B</u></b> Phytochemical, physicochemical, toxicological, morphological and genetic variations of two <i>Piper longum</i> L. populations grown in Sri Lanka</p> <p><i>W W P Rodrigo</i> <i>R M Dharmadasa</i> <i>G P Keeragalaarachchi</i></p>		<p><b><u>403/D</u></b> The Phylogenetic status of the Sri Lankan saw scaled viper (Family: Viperidae, <i>Echis carinatus sinhaleyus</i>)</p> <p><i>M G B Gunasena</i> <i>P V Udagama</i> <i>A Gnanathan</i> <i>S P Fernando</i></p>

<b>04<sup>th</sup> December 2018 (Tuesday) Ctd..</b>				
<b>Time</b>	<b>Section E1</b>	<b>Section E2</b>	<b>Section E3</b>	<b>Section F</b>
8.00 a.m.		<p><b><u>601/E2</u></b> Inducible nitric oxide synthase(iNOS) in peripheral blood cells as an early predictive biomarker of dengue haemorrhagic fever</p> <p><i>H P H Hapugaswatta</i> <i>C H Algama</i> <i>K N Senaviratne</i> <i>R Premaratne</i> <i>N Jayathilaka</i></p>		
8.15 a.m.	<p><b><u>501/E1</u></b> A case study on noise pollution caused by exhaust noise of road vehicles of categories L, M and N</p> <p><i>C L Perera</i> <i>C P Abeyratne</i> <i>C M Kalansuriya</i></p>	<p><b><u>602/E2</u></b> PCR analysis of pork contamination in processed chicken and beef products available in the Sri Lankan market</p> <p><i>W R P Somarathne</i> <i>R M K P Jayatissa</i> <i>S R Gunasekara</i> <i>V de Silva</i> <i>S Kothalawa</i> <i>C S Udawatte</i></p>		
8.30 a.m.	<p><b><u>502/E1</u></b> Synthesis and Characterization of RGO / TiO<sub>2</sub> / PANI Different Composites</p> <p><i>M D R De Costa</i> <i>R C L De Silva</i> <i>L D C Nayanajith</i> <i>H C D P Colombage</i> <i>S R D Rosa</i> <i>I R M Kottegoda</i></p>	<p><b><u>603 / E2</u></b> In silico study of the binding affinities of monoamineoxidase with synthetically viable coumarin analogs</p> <p><i>C Udawatte,</i> <i>M Afnan</i> <i>C N Ratnaweera</i></p>		<p><b><u>801 / F</u></b> What makes smallholder to switch from rubber to other land uses?</p> <p><i>R D I Anjalee</i> <i>P Weligamage</i></p>



04 <sup>th</sup> December 2018 Tuesday) Ctd..				
Time	Section A	Section B	Section C	Section D
8.45 a.m.		<p><b><u>204/B</u></b> Essential oil content and composition of different parts of <i>Cymbopogon citratus</i> Stapf. (Gramineae) grown in Sri Lanka</p> <p><i>R M Dharmadasa</i> <i>A Lintha</i> <i>G Y M Gunasekara</i> <i>G B V U De Silva</i> <i>S K U Sewwandi</i></p>	<p><b><u>301/C</u></b> Mapping of ground water quality in Kaduwela area</p> <p><i>K S L Wickramaratne</i> <i>S Karunaratne</i></p>	<p><b><u>404/D</u></b> Impact of decreased pH resulting from CO<sub>2</sub> elevation on survival, growth, and development of <i>Polypedates cruciger</i> (Common Hourglass Tree Frog)</p> <p><i>W A M T Weerathunga</i> <i>R P G K Rajapaksa</i></p>
9.00 a.m.		<p><b><u>205 / B</u></b> Comparison of essential oil content and composition of different parts of locally grown <i>Trachyspermum ammi</i> (L.) Sprague species with market samples</p> <p><i>R M Dharmadasa</i> <i>Y Gunasekera</i> <i>A Lintha</i> <i>V De Silva</i></p>	<p><b><u>302/C</u></b> An assessment of water quality in inland surface water bodies: A case study in Kaduwela area</p> <p><i>W M C K Wijekoon</i> <i>S Karunaratne</i></p>	<p><b><u>405/D</u></b> <i>In vitro</i> anti-diabetic activity of aqueous and methanol extracts of <i>Plumbago indica</i> L. root bark</p> <p><i>D M I H Dissanayake</i> <i>L D C Peiris</i></p>
9.15 a.m.		<p><b><u>206/ B</u></b> Phytochemical and physiochemical composition of fruits and leaves of <i>Momordica dioica</i> Roxb. ex. Willd and <i>Momordica charantia</i> L.</p> <p><i>A M G N Rathnayake</i> <i>D C Abeysinghe</i> <i>R M Dharmadasa</i></p>	<p><b><u>303/C</u></b> Decadal trends of stream run-off in Sri Lanka</p> <p><i>N Gnanapragasam</i> <i>M Vithanage</i> <i>J Obeysekera</i></p>	<p><b><u>406 / D</u></b> Sensitivity of <i>Chlorella vulgaris</i> (Microalgae) and <i>Lemna perpusilla</i> (Duckweed) to Copper and Cadmium under Empirical Conditions</p> <p><i>A L S Heshani</i> <i>I V N Rathnayake</i> <i>A Pathiratne</i></p>

<b>04<sup>th</sup> December 2018 (Tuesday) Ctd..</b>				
<b>Time</b>	<b>Section E1</b>	<b>Section E2</b>	<b>Section E3</b>	<b>Section F</b>
8.45 a.m	<p><b><u>503/E1</u></b> Development of a battery desulfator oscillator to minimize sulfation in the lead acid battery</p> <p><i>D De Silva V Jayaweera D D N B Daya</i></p>	<p><b><u>604 / E2</u></b> Molecular Simulation Study on the Conformational Changes of Glucocorticoid Receptor DNA - Binding Domain in Complex with DNA</p> <p><i>K K Jayanetti S Weerasinghe</i></p>		
9.00 a.m.	<p><b><u>504/E1</u></b> Fabrication of Titanium Dioxide-Based Sensitized Solar Cell Using Black Grapes</p> <p><i>S R N T Jayarathna K M D C Jayathilaka W T M A P K Wanninayake L B D R P Wijesuradera</i></p>	<p><b><u>605 / E2</u></b> Synthesis and evaluation of a Cu(II) selective fluorescence sensor</p> <p><i>I K G M Nuwanthi S M Vithanarachchi R D Wijesekera</i></p>		<p><b><u>802 / F</u></b> Contribution by home-gardens to rural economic activities: A conceptual framework and empirical evidence</p> <p><i>P Weligamage H Perera</i></p>
9.15 a.m.	<p><b><u>505/E1</u></b> ZnO nanorods modified with copper nanoclusters for non-enzymatic glucose sensing applications</p> <p><i>J L K Jayasingha K M D C Jayathilaka D P Dissanayaka J K D S Jayanetti</i></p>	<p><b><u>606 / E2</u></b> Validation of RP-HPLC method to quantify vitamin C &amp; citric acid in ready to serve fruit juice – A simultaneous approach</p> <p><i>J C Hewapathirana P S F Perera S Malvipathirana</i></p>		

04 <sup>th</sup> December 2018 (Tuesday) Ctd..				
Time	Section A	Section B	Section C	Section D
9.30 a.m.		<p><b><u>207 / B</u></b>  Determination of suitable fertilizer and spacing level for <i>Ocimum tenuiflorum</i> in terms of physical and chemical yield in different plant parts</p> <p><i>R M Dharmadasa</i>  <i>K Abeywardhana</i>  <i>R M D H Rathnayake</i>  <i>D C Abeysinghe</i></p>	<p><b><u>304/C</u></b>  Water quality and possible health impacts in Kaduwela area: An assessment using GIS techniques to find the possible interrelations</p> <p><i>S Kiriparan</i>  <i>S Karunaratne</i></p>	<p><b><u>407/D</u></b>  Impact of treated effluent discharges of rubber industry on zooplankton diversity and abundance in small tributaries of Kalu Ganga in Kaluthara district, Sri Lanka</p> <p><i>S M Gnanasingha</i>  <i>U P K Epa</i></p>
9.45 a.m.		<p><b><u>208 / B</u></b>  Comparison of physico-chemical parameters, phenolics and antioxidant capacity of four local mango varieties with newly introduced variety TomEJC</p> <p><i>T H A Dilshani</i>  <i>R M Dharmadasa</i>  <i>D C Abeysinghe</i></p>	<p><b><u>305/C</u></b>  Assessment of water quality impacts of expressway development - Case Study: Outer circular highway</p> <p><i>M K S P Fernando</i>  <i>B C L Athapattu</i></p>	<p><b><u>408 / D</u></b>  Evaluation of Organophosphate and Pyrethroid insecticides against <i>Aedes aegypti</i> in Gangodawila Public Health Inspectors (PHI) area</p> <p><i>B A N Mendis</i>  <i>H S D Fernando</i>  <i>P D Dayananda</i>  <i>I N Harischandra</i>  <i>P K G K Chandrasiri</i>  <i>B G D N K de Silva</i></p>
10.00 a.m.		<p><b><u>209 / B</u></b>  Development and Quality Evaluation of Ready-to-Serve (RTS) Beverage from Coconut Haustorium without any Chemical Preservatives</p> <p><i>S A C T Senarath</i>  <i>O D A N Perera</i></p>	<p><b><u>306/C</u></b>  Biochar embedded septic tank system for domestic wastewater treatment</p> <p><i>P Yogarajah</i>  <i>D K Pathirana</i>  <i>M Vithanage</i>  <i>B C L Athapattu</i></p>	
10.15 a.m.		<p><b><u>210 / B</u></b>  Development of a Pasta Product with Sri Lankan "Kirikawadi" Cassava Cultivar</p> <p><i>T Jeevana</i>  <i>O D A N Perera</i></p>	<p><b><u>307/C</u></b>  Bio-retention ponds for storm water treatment along road sides at curb inlets</p> <p><i>A A S M Priyasanka</i>  <i>M Vithanage</i>  <i>B C L Athapattu</i></p>	

04 <sup>th</sup> December 2018 (Tuesday) Ctd..				
Time	Section E1	Section E2	Section E3	Section F
9.30 a.m.	<p><b><u>506/E1</u></b> Synthesis and Characterization of Calcium oxide/ 4A Zeolite composite for Reduction of Vehicle Exhaust Emissions</p> <p><i>A M S H Aththanayaka R C L De Silva D S Samarawickrama H C D P Colombage A Sooriyaarachchi I R M Kottegoda</i></p>	<p><b><u>607 / E2</u></b> Determination of metformin levels in human blood via LC/MS/MS</p> <p><i>D D J C Thilakasiri C P Udawatte W D V Karunaratne A Weliana</i></p>	<p><b><u>701/E3</u></b> Factors Affecting for Variation of Production Price of Potato Grown at Welimada</p> <p><i>K T Dananjali J B Ekanayake</i></p>	
9.45 a.m.	<p><b><u>507/E1</u></b> Automatic detection and classification of surface defects in wood using neural network based image processing</p> <p><i>R V Coorey J A S N Silva</i></p>	<p><b><u>608 / E2</u></b> Development and characterization of LigA antigen-functionalized silver nanoparticles for the detection of anti-leptospiral IgG antibodies in human serum</p> <p><i>D M M H Dahanayake A C A Jayasundera C D Gamage N M S Sirimuthu</i></p>	<p><b><u>702/E3</u></b> Can Internet be trusted by getting involved in one's day - to day life to upgrade knowledge: A case study of youth in Gampaha District in Sri Lanka</p> <p><i>N Rajapakshe P Wickramaratna H K Dasanayake</i></p>	
10.00 a.m.	<p><b><u>508/E1</u></b> Development of an autonomous wide-field camera unit for monitoring optical transients that occur in the atmosphere</p> <p><i>H D S Amaradasa G D K Mahanama S S Abeywickrama A G P D Alahakoon K P S C Jayarathna N C Wickramasinghe</i></p>	<p><b><u>609 / E2</u></b> Optimization of bacteriocin production by <i>Lactobacillus sp</i>, a strain isolated from traditionally prepared curd</p> <p><i>S Keerthini R Kapilan S Vasantharuba</i></p>	<p><b><u>703/E3</u></b> Mining Information Technology Competency Level among Nurse Students at a Selected Non-State Higher Education Institute in Sri Lanka: A Case Study</p> <p><i>D S Herath Y T Mathotaarachchi</i></p>	
10.15 a.m.		<p><b><u>610 / E2</u></b> Evaluation of Probiotic potential of lactic acid bacteria isolated from cow milk and milk products</p> <p><i>V Janany R Kapilan S Vasantharuba</i></p>	<p><b><u>704/E3</u></b> Intelligent Chat-Bot: Information Delivery System for Farming</p> <p><i>S D N Lakshitha J B Ekanayake</i></p>	

04 <sup>th</sup> December 2018 (Tuesday) Ctd..				
Time	Section A	Section B	Section C	Section D
10.30 a.m.	<i>Tea</i>			
11.00 a.m.	<b>Presidential Address - Section C Living with Dust Particles in the Air: Current Status and Future Outlook for Sri Lanka</b>			
12.00 p.m.	<b>Lunch</b>			
1.00 p.m.	<b>Presidential Address - Section F Sustainable Measures to Safeguard the Families of CKDu Patient in Sri Lanka</b>			
2.00 p.m.	<b>Poster Session</b>			
3.00 p.m.	<i>Tea</i>			
3.30 p.m.				
3.45 p.m.				

04 <sup>th</sup> December 2018 (Tuesday) Ctd..				
Time	Section E1	Section E2	Section E3	Section F
10.30 a.m.	<i>Tea</i>			
11.00 a.m.	<b>Presidential Address - Section C</b> <b>Living with Dust Particles in the Air: Current Status and Future Outlook for Sri Lanka</b>			
12.00 p.m.	<b>Lunch</b>			
1.00 p.m.	<b>Presidential Address - Section F</b> <b>Sustainable Measures to Safeguard the Families of CKDu Patient in Sri Lanka</b>			
2.00 p.m.	<b>Poster Session</b>			
3.00 p.m.	<i>Tea</i>			
3.30 p.m.		<u>611/E2</u> Yield efficiency and structural characteristics of cellulose fibers extracted from industrial Ananas comosus (pineapple) peel waste  <i>R A D Rajapaksha</i> <i>M D J C Sandarani</i> <i>N Adassooriya</i> <i>C V L Jayasinghe</i>		
3.45 p.m.		<u>612 / E2</u> Air frying as a way to substantially lower fat content of snacks with desired quality attributes  <i>N N G Chiranthika</i> <i>O D A N Perera</i> <i>H L D Weerahewa</i>		

<b>05<sup>th</sup> December 2018 (Wednesday ) Ctd..</b>				
<b>Time</b>	<b>Section A</b>	<b>Section B</b>	<b>Section C</b>	<b>Section D</b>
8.00 a.m.		<u><b>211 / B</b></u> Changes in rice bran antioxidants and their antioxidant activity with fermentation by <i>Rhizopusoryzae</i>  <i>G Janarny</i> <i>K D P P Gunathilake</i>		<u><b>409/D</b></u> Hydrology, land use pattern and soil physical properties in Meeriyabedda landslide area, Koslanda  <i>T M Paranavithana</i> <i>E P N Udayakumara</i> <i>H M I Prasanna</i> <i>L V Ranaweera</i>
8.15 a.m.		<u><b>212 / B</b></u> Extraction and characterization of arabinoxylans from bran of BG 352 rice variety  <i>P A D S Palihaderu</i> <i>K D P P Gunathilake</i>		<u><b>410/D</b></u> A rainfall intensity-duration threshold for mass movements in tropical highlands : A case study from Badulla District - Sri Lanka.  <i>E N C Perera</i> <i>D T Jayawardana</i>
8.30 a.m.		<u><b>213 / B</b></u> Iron fortification to four rice cultivars in Northern Province through the parboiling Process  <i>S Sivashankar</i> <i>K D P P Gunathilake</i>	<u><b>308/C</b></u> Evaluating the current rules and regulations for three-wheelers and identifying solutions to improve safety  <i>I Dias</i> <i>M Lakshan</i>	<u><b>411/D</b></u> Direct Impacts of Landslides on Sustainable Agroforestry System: A Case Study from Aranayake, Sri Lanka  <i>E N C Perera</i> <i>D T Jayawardana</i>

05 <sup>th</sup> December 2018 (Wednesda) Ctd..				
Time	Section E1	Section E2	Section E3	Section F
8.00 a.m.		<p><b><u>613 / E2</u></b></p> <p>The effect of different charge distributions of urea on molecular wire formation in a single walled carbon nanotube via computational approach</p> <p><i>U Abeyruwan</i> <i>S Weerasinghe</i></p>		
8.15 a.m.				
8.30 a.m	<p><b><u>509/E1</u></b></p> <p>Orbital elements of SZ Lyn</p> <p><i>J Adassuriya</i> <i>K P S C Jayaratne</i> <i>S Ganesh</i></p>			<p><b><u>803 / F</u></b></p> <p>A baseline toolkit framework on community-based flood disaster evaluation: A case study of Kalu Oya and Muduna Ela Basin, Sri Lanka</p> <p><i>S Herath</i> <i>R Piyadasa</i></p>



05 <sup>th</sup> December 2018 (Wednesday) Ctd..				
Time	Section A	Section B	Section C	Section D
8.45 a.m.		<p><b><u>214 / B</u></b>  Determination of antioxidant activity of Aloe Vera (Aloe barbadensis) gel</p> <p><i>B M V Chathurangi</i>  <i>K D P P Gunathilake</i></p>	<p><b><u>309/C</u></b>  An analysis of alternative technologies of cement production based on a life cycle approach</p> <p><i>E D H Silva</i>  <i>S Karunaratne</i></p>	
9.00 a.m.	<p><b><u>101/A</u></b>  Tinospora cordifolia (Thunb) Miers (rasakinda) grown in Sri Lanka: pharmacognostical, physico-chemical and phytochemical analysis of the stem</p> <p><i>J M Dahanayake</i>  <i>P K Perera</i>  <i>P Galappatty</i>  <i>P Fernando</i>  <i>L D A M Arawwawala</i></p>	<p><b><u>215 / B</u></b>  Evaluate energy and mechanical properties of bio briquettes produced using mix waste paper, industrial food processing waste and sawdust bio char</p> <p><i>W A R T W Bandara</i>  <i>H A D A K Jayawardana</i></p>	<p><b><u>310/C</u></b>  Preliminary study for self sustaining home composting machine</p> <p><i>L B P Kalpa</i>  <i>S A D A N Dissanayake</i></p>	
9.15 a.m.	<p><b><u>102/A</u></b>  <i>In-vitro</i> antioxidant activities of Tamalakyadi decoction (poly herbal formulation used in Ayurveda) and its modified preparation forms</p> <p><i>J M Dahanayake</i>  <i>P K Perera</i>  <i>P Galappatty</i>  <i>H P S M Perera</i>  <i>L D A M Arawwawala</i></p>	<p><b><u>216 / B</u></b>  Evaluation of energy and mechanical properties of biomass pellets produced from above ground plant materials of rubber (Hevea brasiliensis).</p> <p><i>W A R T W Bandara</i>  <i>S R Leelarathna</i></p>	<p><b><u>311/C</u></b>  Design and development of landfill leachate treatment with bio-reactors and leachate barricades</p> <p><i>S M R Joseph</i>  <i>B Dilsharan</i>  <i>N D Punchihewa</i>  <i>M Vithanage</i>  <i>B C L Athapattu</i></p>	

05 <sup>th</sup> December 2018 (Wednesday) Ctd..				
Time	Section E1	Section E2	Section E3	Section F
8.45 a.m.	<p><b><u>510 / E1</u></b>  Photometric study of SN2014J type 1a supernova</p> <p><i>N I Medagangoda</i>  <i>R A S S Gunasekara</i>  <i>J Adassuriya</i>  <i>G M L P Aponsu</i>  <i>K D Bandara</i>  <i>J A D M Dharmathilaka</i></p>			
9.00 a.m.	<p><b><u>511/E1</u></b>  Forecasting performances of hybrid ANN-SARIMA, Grey and SARIMA models for monthly rainfall data</p> <p><i>D M K N Seneviratna</i>  <i>R M K T Rathnayaka</i></p>			<p><b><u>804 / F</u></b>  Assessing the factors motivating medical doctors to prescribe generic brands, with comparion to originals: A case study of pharmaceutical industry, Sri Lanka</p> <p><i>R Ahmed</i>  <i>P Neelawala</i></p>
9.15 a.m.	<p><b><u>512/E1</u></b>  Artificial Neural Network and ARIMA based new hybrid statistical approach for stock market predictions</p> <p><i>R M K T Rathnayaka</i>  <i>D M K N Seneviratna</i></p>			<p><b><u>805 / F</u></b>  International space law as a mediator between space science and sustainable development.</p> <p><i>A Rathnayake</i></p>

<b>05<sup>th</sup> December 2018 (Wednesday) Ctd..</b>				
<b>Time</b>	<b>Section A</b>	<b>Section B</b>	<b>Section C</b>	<b>Section D</b>
9.30 a.m.	<p><b><u>103/A</u></b></p> <p>A preliminary study of early clinical and laboratory indicators of acute dengue illness</p> <p><i>P C Sigera</i> <i>N L De Silva</i> <i>P Weeratunga</i> <i>S Rajapaksha</i> <i>K S A Jayasinghe</i> <i>S Handunneththi</i> <i>D Fernando</i></p>	<p><b><u>217 / B</u></b></p> <p>Development of a relationship between a drought index and its impacts on rubber yield in wet zone</p> <p><i>D N Wijayarathna</i> <i>E Lokupitiya</i> <i>T U K Silva</i></p>	<p><b><u>312/C</u></b></p> <p>Assessment of atmospheric depositions in highway construction</p> <p><i>P M A D I Thilakarathna</i> <i>M K S P Fernando</i> <i>M Vithanage</i> <i>B C L Athapattu</i></p>	
9.45 a.m.	<p><b><u>104/A</u></b></p> <p>Cell proliferative activity on human umbilical cord-derived mesenchymal stem cells by fresh leaves of <i>Camelia sinensis</i> grown in Sabaragamuwa</p> <p><i>R A U I Ranatunga</i> <i>P Soysa</i></p>	<p><b><u>218 / B</u></b></p> <p>Determination of floristic diversity in Adam's Peak mountain along the altitudinal gradient</p> <p><i>S M Pawuluwage</i> <i>H S Kathriarachchi</i> <i>A M A S Attanayake</i></p>	<p><b><u>313/C</u></b></p> <p>Assessment of noise levels at Rajagiriya junction after the inclusion of flyover</p> <p><i>S D Pakianathan</i> <i>G N Paranavithana</i> <i>B C L Athapattu</i></p>	
10.00 a.m.	<b>Tea</b>			

05 <sup>th</sup> December 2018 (Wednesday) Ctd..				
Time	Section E1	Section E2	Section E3	Section F
9.30 a.m.	<p><b>513 / E1</b></p> <p>Preliminary studies of data and measurements from MAGDAS-9 magnetometer in Sri Lanka</p> <p><i>A D M P Ranasinghe</i> <i>K P S C Jayaratne</i> <i>A Yoshikawa</i></p>			
9.45 a.m.				<p><b>806 / F</b></p> <p>The impact of enacting ECTA towards Software Project Based Companies in Sri Lankan IT Sector</p> <p><i>D Kaushaly</i> <i>P Neelawala</i></p>
10.00 a.m.	<i>Tea</i>			

05 <sup>th</sup> December 2018 (Wednesday) Ctd..								
Time	Section A	Section B	Section C	Section D	Section E1	Section E2	Section E3	Section F
10.30 a.m.	<b>Sectional Business Meeting</b>							
11.30 a.m.	<b>Presidential Address - Section B Biomass Energy: A Sustainable Mitigation Option for Green House Gas (GHG) Emissions</b>							
12.30 p.m.	<b><i>Lunch</i></b>							
1.15 p.m.	<b>Prseidential Address - Section A Evidence Based Clinical Drug Development: Standards and Regulation in Sri Lanka</b>							
2.15 p.m.	<b>Public talk on " The Future of Wildlife in Peninsular Malaysia " by Prof. Vellayan Subramaniam, immediate Former General Secretary, Malaysian Scientific Association</b>							
3.00 p.m.	<b><i>Tea</i></b>							
3.30p.m.	<b>Presidential Address - Section E2 Phytoextraction of Heavy Metals From Contaminated Environments-Using Plants to Clean up the Mess We Make</b>							

06 <sup>th</sup> December 2018 (Thursday) Ctd..				
Time	Section A	Section B	Section C	Section D
8.30 a.m.		<p><b><u>219 / B</u></b>            Characterization of mucilaginous polysaccharide of fresh leaves of Neolitsea cassia</p> <p><i>I G G Kasunmala</i>  <i>S B Navarathne</i>  <i>I Wickramasinghe</i></p>		
8.45 a.m.		<p><b><u>220 / B</u></b>            Antioxidant properties and proximate composition of selected industrial fruit waste in Sri Lanka</p> <p><i>J M L R Bandara</i>  <i>L H A G Wathsala</i>  <i>D C K Illeperuma</i>  <i>A Navaratne</i>  <i>C V L Jayasinghe</i></p>		
9.00 a.m.		<p><b><u>221 / B</u></b>            Comparison of physiochemical properties of Sri Lankan wild bee honey with New Zealand manuka honey</p> <p><i>H G Y R Silva</i>  <i>R A C H Seneviratne</i>  <i>C V L Jayasinghe</i></p>		
9.15a.m.	<p><b><u>105/A</u></b>            Dose response study of Gmelina arborea Roxb. (Verbenaceae) bark extract against adriamycin induced nephrotoxicity in Wistar rats</p> <p><i>A M S S Amarasiri</i>  <i>A P Attanayake</i>  <i>K A P W Jayatilaka</i>  <i>L K B Mudduwa</i></p>	<p><b><u>222 / B</u></b>            Impact of extraction conditions on the degree of esterification of pectin from lime peel wastes</p> <p><i>G Sinthuya</i>  <i>S Sangheetha</i>  <i>D C K Illeperuma</i>  <i>C V L Jayasinghe</i></p>		

06 <sup>th</sup> December 2018 (Thursday) Ctd..				
Time	Section E1	Section E2	Section E3	Section F
8.30 a.m.				
8.45 a.m.				
9.00 a.m.				<p><b>807 / F</b> Small scale farmer perception on organic farming in Anuradhapura district</p> <p><i>H R U Aravinda</i> <i>D N Korlagama</i></p>
9.15 a.m.				<p><b>808 / F</b> Cultural factors affecting career advancement of women in local banks in Colombo District</p> <p><i>M I D Perera</i></p>

06 <sup>th</sup> December 2018 (Thursday) Ctd..					
Time	Section A	Section B	Section C	Section D	Section E1
9.30 a.m.	<p><b>106/A</b> Integration of <i>Wolbachia</i> infection and irradiation to obtain sterile male mosquitoes of <i>Aedes albopictus</i> to be used in integrated vector control in Sri Lanka</p> <p><i>N D A D Wijegunawardana</i> <i>Y I N Silva Gunawardene</i> <i>W Abeyewickreme</i> <i>T G A N Chandrasena</i> <i>R S Dassanayake</i> <i>Zhiyong Xi, K. Bourtzis</i></p>	<p><b>223 / B</b> Effect of elevational factor on physiochemical properties of Sri Lankan instant black tea</p> <p><i>M H Padmakumara</i> <i>D Akila</i> <i>C V L Jayasinhe</i></p>			
9.45 a.m.	<p><b>107/A</b> Comparative fitness assessment of engineered transgenic mosquitoes expressing blood meal induced multiple-miR-shRNA to block dengue virus transmission in <i>Aedes aegypti</i></p> <p><i>H P B K D Ramyasoma R S Dassanayake</i> <i>Y I N S Gunawardene, M Hapugoda</i> <i>N V Chandrasekaran, W Abeyewickreme</i></p>	<p><b>224 / B</b> Extraction, characterization and application of ash gourd peel wax in edible coating of Spicy cube</p> <p><i>W R A T S Wijesundara</i> <i>M D J C Sandarani</i> <i>C V L Jayasinghe</i></p>			
10.00 a.m.	<i>Tea</i>				
10.30 a.m.	<p><b>108/A</b> Predatory effects of selected dragonfly nymphs in Sri Lanka on <i>Aedes aegypti</i> larvae under laboratory settings</p> <p><i>W R C Samanmali</i> <i>N W B A L Udayanga</i> <i>R M T B Ranathunge, J P Sandun</i> <i>M Hapugoda, P M C J A C Welivitiya</i></p>	<p><b>225 / B</b> Analysis of glutamic acid content of selected vegetables, for the development of a natural flavour enhancer as a replacement for monosodium glutamate</p> <p><i>K N Wijayasekara</i> <i>J Wansapala</i></p>			
10.45 a.m.	<p><b>109/A</b> Sustaining malaria free status despite the threat of urban malaria vector <i>Anopheles stephensi</i> in a previously malaria endemic area in Sri Lanka: importance of</p> <p><i>W M K T de A W Gunasekera</i> <i>H M P Hewavitharana</i> <i>H D B Herath</i></p>				



06 <sup>th</sup> December 2018 (Thursday) Ctd..				
Time	Section E1	Section E2	Section E3	Section F
9.30 a.m.				
9.45 a.m.				<p><b>809 / F</b> Application of participatory rural appraisal techniques for agricultural development planning</p> <p><i>M Wijeratne W N De Silva K K L Hasini</i></p>
10.00 a.m.	<i>Tea</i>			
10.30 a.m.				
10.45 a.m.				<p><b>810 / F</b> The Influencing Factors which Create Inconsistency in the Stability of the Non-Banking Financial Industry of Sri Lanka Emphasising the Experience of Senior Staff of Serendib Finance Ltd</p> <p><i>P Edirisinghe P Neelawala</i></p>

06 <sup>th</sup> December 2018 (Thursday) Ctd..								
Time	Section A	Section B	Section C	Section D	Section E1	Section E2	Section E3	Section F
11.00 a.m.	<b>Presidential Address - Section E3</b> <b>Challenges in Digital Image Tamper Detection: Noise Centric Approaches</b>							
12.00 p.m.	<i>Lunch</i>							
1.00 p.m.	<b>Presidential Address - Section D</b> <b>Male Infertility Problem in the Modern World: Present Status and Future Focus</b>							
2.00 p.m.	<b>Public talk on "Design of a Novel HIV Vaccine Strategy, Bench to Clinicorganized"</b> <b>by Associate Prof. Charani Ranasinghe</b>							
3.00 p.m.	<i>Tea</i>							
3.30 p.m.	<b>Council Meeting</b>							

07 <sup>th</sup> December 2018 (Friday) Ctd..								
Time	Section A	Section B	Section C	Section D	Section E1	Section E2	Section E3	Section F
8.45 a.m.	<p align="center"><b>Public talk on "A Reinvigorated Solar System"</b>  <b>by Dr. Nalin Samarasinha (Senior Scientist, Planetary Science Institute, USA)</b>  <b>(Venue: New Physics Lecture Theatre)</b></p>							
9.45 a.m.	<p align="center"><i>Tea</i></p>							
10.15 a.m.	<p align="center"><b>Presidential Address - Section E1</b>  <b>Solar Energy and Wind Energy for Future Sri Lanka (Venue: UCSC Auditorium)</b></p>							
11.15 a.m.	<p align="center"><b>Annual General Meeting (Venue: UCSC Auditorium)</b></p>							
12.45p.m.	<p align="center"><i>Lunch</i></p>							
1.45 p.m.	<p align="center"><i>End</i></p>							

08<sup>th</sup> December 2018 (saturday) Ctd..

Time

1.30 p.m.

***Awards Ceremony of All Island School Inventors' Competition***

*End*

## Poster Presentations

### Section A

<b>901 / A</b>	Response of imported malaria patients to antimalarial medicines in Sri Lanka following malaria elimination	<i>H P R Dharmawardena, R P Premaratne, K N Mendis and S D Fernando</i>
<b>902 / A</b>	A preliminary study on isolation and characterization of pathogenic bacteria from wild bird droppings around the Kandy Lake, Central Sri Lanka	<i>M A Y N Weerasinghe, S W Watagodakumbura and D N Magana-arachchi</i>
<b>903 / A</b>	Comparative analysis of serologic and molecular methods for High Risk-HPV 16 detection in oral and oropharyngeal cancers in Sri Lanka	<i>A I Wathupola, K A Perera and P V Udagama</i>
<b>904 / A</b>	Evaluation of the existing knowledge on dengue among 13-15 year old school children of Kelaniya education zone in Gampaha District of Sri Lanka	<i>L Radhika, P ADHN Gunanthilaka, N W B A L Udayanga, A Kasthuriratne and W Abeyewickreme</i>
<b>905 / A</b>	Prevention of spread of vector borne diseases through monitoring mosquito populations in and around Bandaranaike International Airport (BIA)	<i>M Hewavitharana, I N S Anuranga, R D J Harishchandra, C Salgado and D A Ranaweera</i>
<b>906 / A</b>	Use of molecular markers for monitoring therapeutic efficacy of malaria patients in the malaria prevention of reintroduction phase in Sri Lanka	<i>W M K T de A W Gunasekera, R G Premaratne, O V D S J Weerasena, S M Handunnetti, S Premawansa and S D Fernando</i>

## Poster Presentations

### Section B

<b>907 / B</b>	Development of a chocolate coated snack based on curd and coconut	<i>K K J S De Alwis, A P D G Pathirana and W M A I K Bowatta</i>
<b>908 / B</b>	Comparison of physico-chemical, phytochemical properties and antioxidant capacity of three locally available Citrus varieties (Jamanaran, Heennaran, Penidodam) with imported sweet orange	<i>R K S N K Jayawardhana, R M Dharmadasa and D C Abeysinghe</i>
<b>909 / B</b>	Comparative study on essential oil content and composition of two varieties of Cymbopogon nardus populations in Sri Lanka	<i>R M Dharmadasa, A Lintha, G Y M Gunasekara, G B V U De Silva and S K U Sewwandi</i>
<b>910 / B</b>	In-vitro propagation of Stevia rebaudiana (Bertoni) Bertoni (Asteraceae)	<i>R M Dharmadasa, G B V U De Silva, D L C K Fonseka, A Lintha and P Ranasinghe</i>
<b>911 / B</b>	Effect of different treatment for coconut cream on quality of coconut milk based butter	<i>A M U S Alagiyawanna, L L W C Yalegama and K D P P Gunathilake</i>
<b>912 / B</b>	Development of a beer using malted finger millet as carbohydrate source	<i>A A A B M R D B Wariyagama and K D P P Gunathilake</i>
<b>913 / B</b>	Study of Phytochemical and physiochemical compositions of Momordica dioica Roxb. Ex. Willd fruits and leaves	<i>A M G N Rathnayake, K K S Withanage, D C Abeysinghe and R M Dharmadasa</i>
<b>914 / B</b>	Comparison of physicochemical parameters, phytochemicals and total antioxidant capacity of three local banana accessions with an introduced banana accession	<i>H A I D Hettiarachchi, D C Abeysinghe and R M Dharmadasa</i>

## Poster Presentations

### Section D

<b>915 / D</b>	Record of <i>Derocrania agnes</i> (Coleoptera, Cicindelinae) an arboreal tiger beetle from selected agro-ecosystems of Sri Lanka	<i>D L Abeywardhana, C D Dangalle and Y W Mallawarachchi</i>
<b>916 / D</b>	Determination of Coliform Bacteria from Bottled Drinking Water Manufactured in Sri Lanka and Identification of Anti-Microbial Herbal Compounds for Plant Based Water Purification	<i>A Azra, M S Kothalawala, and S G M R L Wimalasekara</i>
<b>917 / D</b>	Isolation of naphthalene degrading phyllosphere bacteria from the urban areas in Sri Lanka	<i>R B N Dharmasiri, A H L Nilmini, M M Pathmalal, L J S Undugoda N N R N Nugara and D Udayanga</i>
<b>918 / D</b>	Resistance of <i>Culex quinquefasciatus</i> (Diptera: Culicidae) to widely using insecticide groups of Sri Lanka	<i>P K G K Chandrasiri, H S D Fernando, P D Dayananda, I N Harischandra, B A N Mendis and B G D N K de Silva</i>
<b>919 / D</b>	Selected soil physical properties in a hazardous slope adjacent to Aranyake deadly landslide: Investigation towards mitigation	<i>M R M A T K Dissanayake, E P N Udayakumara, H M I Prasanna and L V Ranaweera</i>

## Poster Presentations

### Section E1

<b>920 / E1</b>	Growth of photoactive CZTS thin film by using spin coating technique	<i>W M N D Kulasinghe, W T M A P K Wanninayake, K M D C Jayathilaka and L B D R P Wijesundera</i>
<b>921 / E1</b>	Establishment of primary national standard for time and frequency with internationally	<i>R G S A Perera</i>

## Poster Presentations

### Section F

<b>938 / F</b>	Impact of combination therapy on the infertility of women in Sri Lanka: A case study on PCOS/PCOD patients	<i>T Amunugma, P Neelawala</i>
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## Poster Presentations

### Section E2

<b>922 / E2</b>	Determination and comparison of antibacterial +C289:E293activity, phytochemical content and antioxidant activity of two dragon fruits species cultivated in Sri Lanka.	<i>K Kumaraguru and S Dias</i>
<b>923 / E2</b>	Determination of the phytochemical content and antioxidant activity of imported grapes present in Sri Lanka	<i>Y Rajapakse and S Dias</i>
<b>924 / E2</b>	Evaluation of the Antimicrobial Activity of Silver Nanoparticles Capped with Garcinol, extracted from <i>Garcinia quaesita</i> pierre.	<i>H N Fernando, U R Kumarasinghe, T D C P Gunasekara, S S N Fernando, P M Jayaweera, S P Rajapaksha</i>
<b>925 / E2</b>	Determination and comparison of the phenolic content, flavonoid content and total antioxidant activities of Sri Lankan cultivars of Garlic ( <i>Allium sativum</i> ), Onion ( <i>Allium cepa</i> ), and Shallot ( <i>Allium ascalonicum</i> )	<i>P Venkatramanan and S Dias</i>
<b>926 / E2</b>	Developing a method to increase the hardness of beeswax for wax sculpture industry	<i>D D J C Thilakasiri and C P Udawatte</i>
<b>927 / E2</b>	Improvement of oxidative stability of vanilla cake by phenolic extracts of coconut oil meal	<i>C M Senanayake, H Algama, R Lavindhi, R Siddeeqe, N Jayathilaka and K N Seneviratne</i>
<b>928 / E2</b>	Protective Effect of Coconut Milk Phenolic Antioxidants on Oxidative Stress Induced Macromolecular Damage in <i>Saccharomyces cerevisiae</i>	<i>M G A N Karunasiri, M M Gunawardena, D Damunupola, K N Seneviratne, and N Jayathilaka</i>
<b>929 / E2</b>	Investigation of antioxidant, antimicrobial properties and presence of flavonoids in <i>Syzygium caryophyllatum</i> (L.) Alston	<i>P H Udeshika, C Hettiarachchi, and P N Punyasiri</i>
<b>930 / E2</b>	Formulation development and analysis of protein rich Spirulina capsules	<i>K K G M P B Herath, S M N De Silva, S N A Gunawardena and A M J S Amarasinghe</i>
<b>931 / E2</b>	Study the effect of clay, sawdust and half-composted garden waste as bulking agents in food waste composting at a controlled elevated temperature	<i>M D S B Jayawardana, M D Y Milani and R C L De Silva</i>
<b>932 / E2</b>	A model system to investigate drug loading and releasing using bacterial nanocellulose and bovine serum albumin	<i>W R A P J Ratnayake, J W Damunupola, A L C J Liyanage, R G S C Rajapaksha, and A C A Jayasundera</i>
<b>933 / E2</b>	Development of HPLC/UV method for the analysis of nitrate and nitrite in cured meat and pepper	<i>D C Senavirathna and Wickramaratne M N</i>
<b>934 / E2</b>	Physiochemical and nutritional properties of selected traditional foods of Sri Lanka	<i>S R H Kandamby, W K S M Abeysekera, I G N Hewajuilge, U K Jayasundara and S L Liyanage</i>
<b>935 / E2</b>	Development of new light weight polyvinyl chloride material formulation without calcium carbonate and chlorinated paraffin	<i>R A K D Ranasinghe, D Ratnaweera and K T Mudiyansele</i>
<b>936 / E2</b>	High nutrient biscuit from Avocado ( <i>Persea Americana</i> ) seed flour & Finger millet ( <i>Eleusine coracana</i> ) flour	<i>M G Ranasinghe, J M A Wansapala and C S Udawatte</i>
<b>937 / E2</b>	Modification of Iron oxide nanoparticles using L-Cysteine capped CdTe quantum dots	<i>M M E Munasinghe, A M M H Athapaththu and L Jayarathne</i>