



Sri Lanka Association for the Advancement of Science

GLANCE PROGRAMME - 73rd Annual Sessions

Theme: "Engagement of Scientists in the Economic Development of Sri Lanka"

Host Institution - The Open University of Sri Lanka

Ceremonial Inauguration	4th December 2017	Committee Room A, BMICH
Theme Seminar	5th December 2017	Bougainvillea Hall, Hotel Galadari, Colombo 01
Scientific Sessions	6th-8th December 2017	The Open University of Sri Lanka
All Island School Inventor's Competition cum Exhibition	6th-7th December 2017	Exam Hall - 11C & 11d
Mini Symposium	6th-7th December 2017	New CRC Building - Lecture Hall 15
Annual General Meeting	8th December 2017 at 11.15 a.m.	The Auditorium, Block 07

(Visit www.slaas.lk for online information about the 73rd Annual Sessions and latest updates)

Co - organizer :



**NATIONAL
SCIENCE
FOUNDATION**

SLAAS Annual Session 2017 - Venues : The Open University of Sri Lanka

(SLAAS Member Car Pass Holders : Entry / Exit using OUSL Gates 3 & 4 : Parking around Block 10)

(OUSL Gate 03: D.M. Colambage Mw. & OUSL Gate 04: Nawala - Narahenpita Rd.)

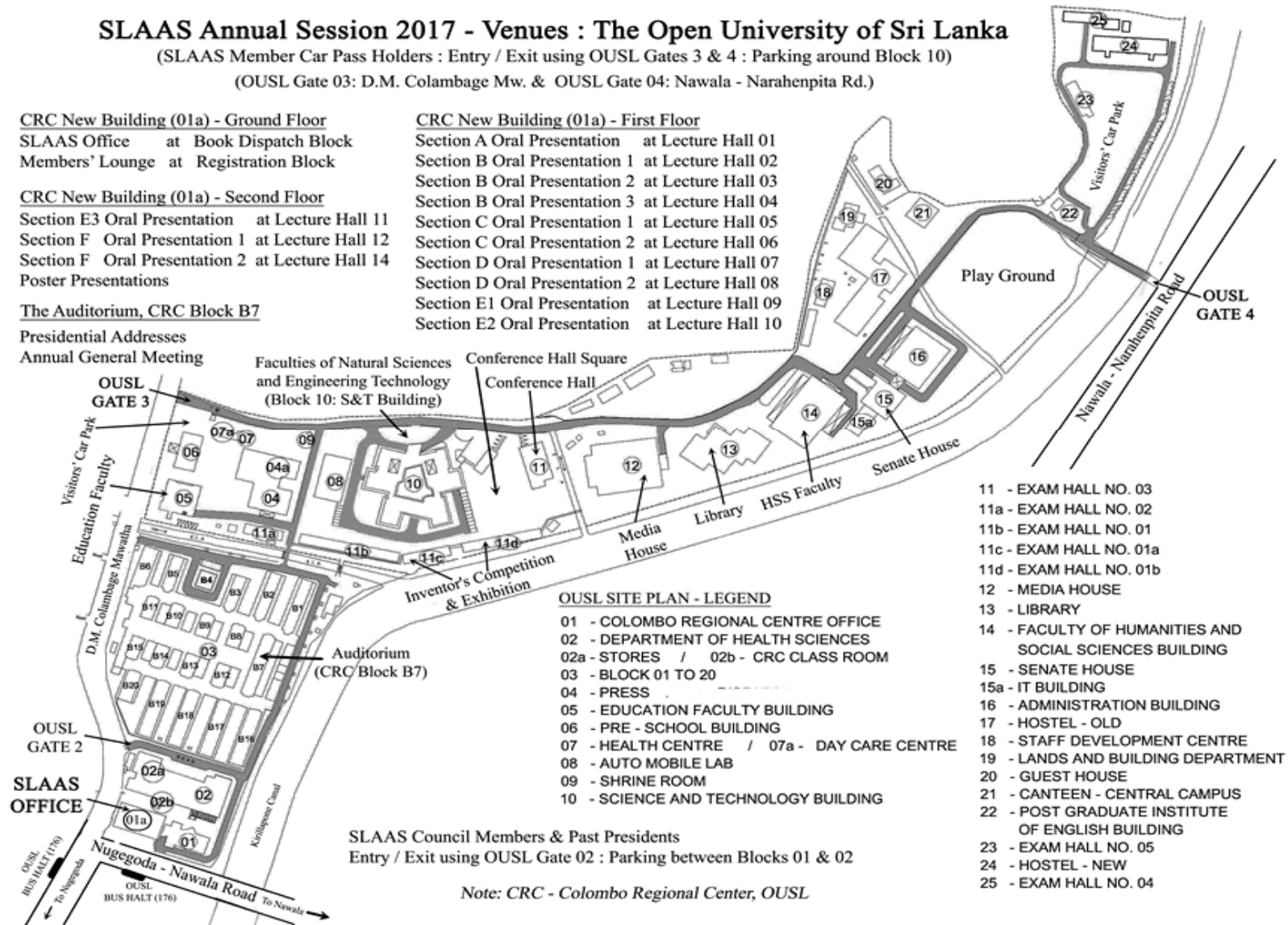
CRC New Building (01a) - Ground Floor
 SLAAS Office at Book Dispatch Block
 Members' Lounge at Registration Block

CRC New Building (01a) - Second Floor
 Section E3 Oral Presentation at Lecture Hall 11
 Section F Oral Presentation 1 at Lecture Hall 12
 Section F Oral Presentation 2 at Lecture Hall 14
 Poster Presentations

The Auditorium, CRC Block B7

Presidential Addresses
 Annual General Meeting

CRC New Building (01a) - First Floor
 Section A Oral Presentation at Lecture Hall 01
 Section B Oral Presentation 1 at Lecture Hall 02
 Section B Oral Presentation 2 at Lecture Hall 03
 Section B Oral Presentation 3 at Lecture Hall 04
 Section C Oral Presentation 1 at Lecture Hall 05
 Section C Oral Presentation 2 at Lecture Hall 06
 Section D Oral Presentation 1 at Lecture Hall 07
 Section D Oral Presentation 2 at Lecture Hall 08
 Section E1 Oral Presentation at Lecture Hall 09
 Section E2 Oral Presentation at Lecture Hall 10



SLAAS - Theme Seminar 2017

***Theme: "Engagement of Scientists in the
Economic Development of Sri Lanka"***

05th December 2017

08.15 a.m to 4.00 p.m

**Venue: Bougainvillea Hall, Hotel Galadari
Colombo 01**

Registration Fee : Rs. 1000/-

(Refundable at the Venue Only)

Limited seats are available

For registration 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

Email: hqslaas@gmail.com

*Visit www.slaas.lk for latest updates
and programme details*

SLAAS - Theme Seminar 2017

**"Engagement of Scientists in the
Economic Development of Sri Lanka"**

Programme

- | | |
|------------------|--|
| 08.15- 08.45 am | Registration |
| 08.45- 08.55 am | Traditional lighting of the oil lamp |
| 08.55- 09.00 am | Welcome address – Eng V Regunathan , General President, SLAAS |
| 09.00- 09.15 am | Invited Speech- Prof Sirimalee Fernando , Chairperson, National Science Foundation |
| 09.15- 09.55 am | <i>Beyond the Silicon Valley model: STI for emerging economies-Transforming lab -Origin propulsive projects into development initiatives in Sri Lanka-</i> Prof. Monte Cassim |
| 09.55- 10.05 am | Discussion |
| 10.05- 10.35 am | Tea |
| 10.35- 11.15 am | <i>Extracting Value from Big Data Using Predictive Analytics -</i> Prof. Sudha Ram |
| 11.15- 11.55 am | <i>Electronics Industry as a Catalyst for Economic Development - The Role of Universities -</i> Dr. Ajith Pasqual |
| 11.55- 12.35 pm | <i>Nitrogen Management in Soil and Water for Our Future Earth-</i> Prof. Morihiro Maeda |
| 12.35- 12.45 pm | Discussion |
| 12.45- 13.45 pm | Lunch |
| 13.45- 14.25 pm | <i>Ecological Aspects of Development -</i> Dr. U K G K Padmalal |
| 14.25- 15.05 pm | <i>Is Marine Conservation Possible in A Profit Driven Economy?-</i> Dr. Asha de Vos |
| 15.05- 15.45 pm | <i>The Application of Academic Knowledge with Process Discipline and Control to Achieve Economic Success -</i> Eng. Kandiah Sivayogaiswaran |
| 15.45 - 15.55 pm | Discussion |
| 15.55- 16.00 pm | Vote of Thanks - Prof. K P S Chandana Jayaratne -President Elect - 2018 |
| 16.00 pm- | Tea |
| | End of Programme |

PRESIDENTIAL ADDRESSES

Venue : The Auditorium - Block 07, The Open University of Sri Lanka

Section A :

6th December 2017 @ 2.15 p.m

Coconut & Health: Facts & Fallacies

Prof Sureka Chackrewarthy

Section B :

8th December 2017 @ 10.15 a.m.

Sustainable Management of Aquatic Resources for Food Security

Mrs A Shamila L E Corea

Section C :

6th December 2017 @ 11.15 a.m.

Extreme Rainfall Analysis: Facing the Complexities

Dr Kumari Fernando

Section D :

7th December 2017 @ 10.30 a.m.

Potential of Agricultural Biotechnology for National Economic Development

Dr Chamari Hettiarachchi

Section E1 :

7th December 2017 @ 11.30 a.m.

Energy and Storage Devices for Unconventional Sustainability

Dr Chinthaka De Silva

Section E2 :

7th December 2017 @ 1.15 p.m.

Metals and Human Health

Prof Janitha Liyanage

Section E3 :

8th December 2017 @ 8.45 a.m.

Interoperability! A Mandatory Enabler for Total Success

Dr Prasad M Jayaweera

Section F :

7th December 2017 @ 3.45 p.m.

Emotional Intelligence: Conceptualization and Practice

Dr Chandana Jayawardena

SCIENTIFIC SESSIONS AT THE OPEN UNIVERSITY OF SRI LANKA

Oral Presentations

Section A	New CRC Building - Lecture Hall 1
Section B	New CRC Building - Lecture Hall 2, 3 & 4
Section C	New CRC Building - Lecture Hall 5 & 6
Section D	New CRC Building - Lecture Hall 7 & 8
Section E1	New CRC Building - Lecture Hall 9
Section E2	New CRC Building - Lecture Hall 10
Section E3	New CRC Building - Lecture Hall 11
Section F	New CRC Building - Lecture Hall 12 & 14

Poster Presentations - New CRC Building - Second Floor

Special Venues

SLAAS Office	New CRC Building, 01
Member's Lounge	New CRC Building - Registration Block
Refreshments & Tea Corner	New CRC Building - Registration Block

Exhibitions

All Island School	Exam Hall 11C & 11D
Inventor's Competition cum Exhibition	

Venues for Presidential Addresses & Meetings

Presidential Addresses	Auditorium, Block 7
Business Meetings	New CRC Building (Sectional Venues - Lecture Halls 1, 2, 5, 7, 9, 10, 11, 12)
Annual General Meeting	Auditorium, Block 7
Council Meeting	Senate House, Block 15

Exhibitions, Symposia, Public Talks and Other Events

<p>All Island School Inventor's Competition cum Exhibition 6th - 7th December 2017 Exam Hall 11C & 11D</p>	<p>Poster Presentations 6th - 8th December 2017 2nd floor, New CRC Building</p>	<p>Mini Symposium on Innovations 6th December 2017 3.15 p.m. - 5.00 p.m. New CRC Building - Lecture Hall 15</p>
<p>Section B Public Talk <i>"Is consumer informed about packed food as per the national legislation and standards"</i> 6th December 2017 8.45 a.m. - 9.45 a.m. The Auditorium, Block 7</p>	<p>Astronomical Night 6th December 2017 8.00 p.m. Conference Hall Square</p>	<p>Inventor's Talk for Juniors 6th December 2017 1.15 p.m - 2.00 p.m. New CRC Building - Lecture Hall 15</p>

Annual Dinner

" Ruby Ball Room", Hotel Janaki, Colombo 06

Wednesday 6th December 2017

7.30 p.m. onwards

A limited number of tickets (Rs, 2500/-) available at SLAAS office

Contact : 0112-688740/ 0112-691681

06 th December 2017 (Wednesday) Ctd..					
Time	Section A	Section B	Section C		Section D
8.00 a.m.		<p>201/B A New Device for Demarcating Furrow Lines for Sugarcane Cultivation on Undulating Terrain</p> <p><i>L M J R Wijayawardhana, A L C De Silva, G A A Chathuranga</i></p>	<p>301/C Assessment of the exposure of Sri Lanka to Tsunamis generated at the Sunda Trench</p> <p><i>P P R Abeygunawardana, A H R Ratnasooriya</i></p>	<p>316/C Traditional crafts and future development: Key factors to uplift traditional Lac (Laksha) craft in Sri Lanka</p> <p><i>W M N D Ranasinghe</i></p>	<p>401/D <i>Plutella xylostella</i> (Diamond Black Moth) larvicidal and antifeedant activities of endophytic fungal cultures obtained from <i>Cyperus iria</i></p> <p><i>S D Herath, S U Rajapaksha, J M N M Jayasundara, P B Ratnaweera, K M D W P Nishantha, E D De Silva</i></p>
8.15 a.m.		<p>202/B Residual effect of applied organic manure on crop performance of coconut</p> <p><i>H M I K Herath, N A Tennakoon</i></p>	<p>302/C Tsunami housing villages: A post occupancy evaluation</p> <p><i>T Chandrasekera</i></p>	<p>317/C Finite element analysis of an excavator bucket to satisfy the industrial requirement</p> <p><i>A G P Lankathilaka, N T Medagedara, P D S H Gunawardane</i></p>	<p>402/D Assessing the environmental stress in the Diyawannawa wetland using macro-benthic molluscan diversity based Abundance-Biomass curves</p> <p><i>B K A Bellanthudawa, W M D N Wijeyaratne</i></p>
8.30 a.m.	<p>101/A Protective effects of virgin coconut oil against hepatosteatorsis and lipid peroxidation in Wistar rats</p> <p><i>H A E Samaranyake, R M U S Rathnayake, R Karunakaran, B P Galhena, S Chackrawarthy</i></p>	<p>203/B The role of gender in perceiving societal damage of a product harm crisis: Special reference to Sri Lankan young consumers</p> <p><i>G C Samaraweera</i></p>	<p>303/C Assessment of the extent of salt water intrusion and vulnerability of freshwater aquifers at Koggala lagoon area</p> <p><i>C Bandara, B C L Athapattu, H B Asanthi, M Vithanage</i></p>	<p>318/C Design of a self-balancing rotatable mobile hoist for small workshop</p> <p><i>K G N D Bandara, N T Medagedara, P D S H Gunawardane</i></p>	<p>403/D Investigating Acetinomycetes for Antimicrobial compounds</p> <p><i>C M Nanayakkara, K S D Rathnayake</i></p>

06 th December 2017 (Wednesday) Ctd..						
Time	Section D	Section E1	Section E2	Section E3	Section F	
8.00 a.m.	<p>414/D Diurnal activity budget of endemic Dull-blue Flycatcher <i>Eumyias sordidus</i> Volden 1870, (Passeriformes: Muscicapidae) in Tropical montane cloud forests of Sri Lanka <i>W A D Mahaulpatha, W D S C Dharmarathne</i></p>				<p>801/F Towards improved decision making: Valuation of Ecosystem Services provided by Pigeon Island National Park, Trincomalee, Sri Lanka <i>C T Jayaratne</i></p>	<p>816/F Use of hedonic models to value urban disamenities: A case study of Meethotamulla dumpsite, Sri Lanka <i>G K Udugama, U A D P Gunawardena</i></p>
8.15 a.m.	<p>415/D Nest site selection of Sri Lanka Yellow-eared Bulbul (<i>Pycnonotus penicillatus</i>) in Horton Plains National Park <i>W A D Mahaulpatha, P H S P Chandrasiri</i></p>	<p>501/E1 The spectral response broadening in dye sensitized devices due to the length of polymethine chain and the other ligands in cyanine dyes <i>P K D D P Pitigala</i></p>	<p>601/E2 Hepatoprotective activity of <i>Atalantia ceylanica</i> against ethanol induced hepatotoxicity on HepG2 cell line <i>J H A C P Jayathilake, S S S B D P Soysa</i></p>	<p>701/E3 Message Brokering Framework for the health care Service Application Interoperability <i>E A R S Perera</i></p>	<p>802/F The living conditions of resettled families due to southern transport development project: A sociological study <i>T G D Udayakanthi</i></p>	<p>817/F Competitiveness of black tea exports from Sri Lanka in the Japanese market <i>R M H V Rajapaksha, P Weligamage</i></p>
8.30 a.m.	<p>416/D Effect of blood meal source on the feeding preference and some aspects of reproductive success of <i>Aedes aegypti</i> (L.) <i>G A S M Ganehiarachchi, M L S Ashani</i></p>	<p>502/E1 Identification of the shape of a drumhead by the sound it produces <i>D S Rodrigo, D C N Perera, A A P Sachithra</i></p>	<p>602/E2 Analysis of proximate composition and physicochemical properties of pineapple wastes <i>K H G K Kodagoda, R A U J Marapana</i></p>	<p>702/E3 Awareness of Cyber Security Level and its Effects on System Usage Intention among Employees of Higher Education Sector with Special Emphasis to The Institute of Chartered Accountants of Sri Lanka <i>N Illangasingha, P Neelawala</i></p>	<p>803/F Authentication of chemistry- based concepts in primary grade syllabi (3-5) through environmental-based activities <i>R P P Lenora, A N Navarathne, U M Sedere</i></p>	<p>818/F Discrepancy between country's resource capacity and level of fabrication: Prospect for Sri Lankan gem and jewellery industry <i>K K G I C Samarasekara</i></p>

06 th December 2017 (Wednesday) Ctd..					
Time	Section A	Section B	Section C		Section D
8.45 a.m.	<p>102/A School performance, school attendance & peer pressure contributing to stress among adolescents in Colombo district Sri Lanka</p> <p><i>L S Kathriarachchi, D C Hewage, S W Wimalasekara, R Ranjan, A L S Mendis</i></p>	<p>Public Talk on "Is consumer informed about packed food as per the national legislation and standards" Organized by the SLASS Section B</p>	<p>304/C Septic tank with up flow anaerobic filter compact unit for treating domestic wastewater in low-lying areas</p> <p><i>D K Pathirana, D P M Chandana, B C L Athapattu, M Vithanage</i></p>	<p>319/C Minimizing fuel consumption in printing process of Glass bottle Industry</p> <p><i>H G P Chandrakumara, N S M P Sandaruwan, P R Dadigamuwa, T S S Jatunnarachchi</i></p>	<p>404/D Application of direct toxicity assessment approaches using organisms belonging to different tropic levels in Combination with Physico-Chemical analysis for assessing potential ecological impacts of treated rubber industry effluents reaching Kalu river, Sri Lanka</p> <p><i>H K A D Silva, A Pathiratne</i></p>
9.00 a.m.	<p>103/A Effects of perceived dental neglect on oral health and oral health related quality of life in 15 to 19 year old adolescents attending public schools in Gampaha district</p> <p><i>A M U Amilani</i></p>		<p>305/C Energy efficiency and sustainability of wastewater treatment plants</p> <p><i>T Wickramanayake, S Karunaratne</i></p>	<p>320/C Performance Enhancement of a Laboratory Steam Power Plant Condenser</p> <p><i>M J B Morapitiya, D C Wijewardana, T S S Jatunnarachchi</i></p>	<p>405/D Assessment of plant growth and phytoremediation potential of <i>Eichhornia crassipes</i>, <i>Salvinia molesta</i> and <i>Pistia stratiotes</i> for the removal of total dissolved solids and electrical conductivity in sludge of common waste water treatment plant and Biyagama EPZ</p> <p><i>K A R K Kodituwakku, M D M D W M M K Yatawara</i></p>
9.15 a.m.	<p>104/A Anticancer effects of <i>Plumeria rubra</i> in HER2 positive breast cancer cell lines</p> <p><i>A I Kuruppu</i></p>		<p>306/C Sustainability of coastal windrows: case study on the Colombo coastal region</p> <p><i>S Randima, B Wickramaarachchi, B C L Athapattu</i></p>	<p>321/C A techno-economic comparison of utilizing aerial bundled conductors with bare conductors in distribution systems</p> <p><i>R Saparamadu, K A C Udayakumar</i></p>	<p>406/D Antioxidant potential of traditional kurakkan thalapa meals</p> <p><i>K G Wijesinghe, S Ekanayake</i></p>

06 th December 2017 (Wednesday) Ctd..						
Time	Section D	Section E1	Section E2	Section E3	Section F	
8.45 a.m	<p>417/D Detecting of Knock Down Resistance (<i>kdr</i>) F1534C Allele in the Dengue Vector <i>Aedes aegypti</i> in Colombo South Peri-Urban Areas</p> <p><i>W K D L Hegoda, H S D Fernando, B G D N K De Silva</i></p>	<p>503/E1 Theoretical study of nonlocal effects in nanoplasmonic structures</p> <p><i>A U Asela</i></p>	<p>603/E2 Effect of Psidium guineense Sw. leaf (PGL) extract and coconut cacke (CC) extract on serum lipid profiles and serum antioxidant capacity of Wistar rats</p> <p><i>C M Senanayake, K N Seneviratne, N Jayathilaka, S Ekanayaka</i></p>	<p>703/E3 Analysis of Alcoholic and Non-alcoholic EEG signals</p> <p><i>T Vinothraj, S Amarakeerthi</i></p>	<p>804/F Investigation on perceived service quality and customer loyalty at hela bojun sales centers in kandy district</p> <p><i>D W K Madubhashini, H V A Wickramasuriya</i></p>	<p>819/F Success factors of software/ technology acceptance in language translation sector in Sri Lanka</p> <p><i>N Liyanaarachchi, P Neelawala</i></p>
9.00 a.m.	<p>418/D Promoter hypermethylation of <i>TIMP3</i> and <i>PCQAP 5'</i> tumor suppressor genes in saliva of oral and oropharyngeal cancer patients: A pilot study in Sri Lanka</p> <p><i>C D K Liyanage, B W M R A I Wathupola, K A Perera, P V Udaagama</i></p>	<p>504/E1 A new cosmological model Inflation, Deceleration, Acceleration and Deceleration again</p> <p><i>K D W J Katugampola, P V N M C Perera</i></p>	<p>604/E2 Antioxidant properties of fenugreek (<i>Trigonella foenum-graecum</i>) seed extracts used in Sri Lankan ethnomedicine</p> <p><i>U P T C Abayarathna, W K S M Abeysekera, G A S Premakumara, M C N Jayasooriva</i></p>	<p>704/E3 Factors restricting the implementation of automating the tea auctioning system in sri lanka</p> <p><i>Z Mohamed, P Neelawala</i></p>	<p>805/F Assessing the factors contributing to career indecisiveness among undergraduates of Peradeniya University</p> <p><i>D G T Damayanthi, L N A C Jayawardena</i></p>	
9.15 a.m.	<p>419/D Molecular and biological aspects of Kawakawa (<i>Euthynnus affinis</i>) from the coastal waters of Sri Lanka</p> <p><i>D R Herath, A A D G U Amarakoon, H A C C Perera, G H C M Hettiarachchi</i></p>	<p>505/E1 Wettability determined by angle of contact measurements for electrodeposited Cu₂O thin films with Sulphur based surface treatments or Chlorine doping</p> <p><i>J T Kalani, H W H S Weerasinghe, K N D Bandara, J L K Jayasingha, K M D C Jayathilaka, I K D S Jayanetti</i></p>	<p>605/E2 Study on physicochemical and fatty acid profile of Sri Lankan groundnuts (<i>Arachis hypogaea</i> L.)</p> <p><i>L H A G Wathsala, H M T Herath, M A J Wansapala</i></p>	<p>705/E3 Application of user attributes and location tag similarities to handle the cold start problem in travel recommendation systems</p> <p><i>S Ahangama, S S Wijenayake</i></p>	<p>806/F Trends in Global Production and Regional Shifts of Major Pulse Crops: 1961-2013</p> <p><i>P Weligamage</i></p>	

06 th December 2017 (Wednesday) Ctd..				
Time	Section A	Section B	Section C	Section D
9.30 a.m.	<u>105/A</u> Effect of vascular endothelial growth factor 165a on initiation of porcine primordial follicle development under the short-term culture system <i>M P S Mahagamage, D N N Madushanka, W R A S Mayurawansa, H A D Ruwandeepika</i>	Public Talk on "Is consumer informed about packed food as per the national legislation and standards" Organized by SLASS Section B	<u>307/C</u> Assessment of the exposure of Sri Lanka to Tsunamis generated at the Makran Fault <i>P H Y Prabhuddhaka, A H R Ratnasooriya</i>	<u>407/D</u> Petrography of Some Primary Iron Ore Bearing Rocks From Belihuloya Area, Balangoda <i>A G T Ayesha, L V Ranaweera, N D Subasinghe</i>
10.00 a.m.	Sectional Business Meeting			
10.30 a.m.	<i>Tea</i>			
11.15 a.m.	Presidential Address - Section C 'Extreme Rainfall Analysis: Facing the Complexities'			
12.15 p.m.	<i>Lunch</i>			
1.00 p.m.	Poster Session/ All Island School Inventor's Competition cum Exhibition Inventor's Talk for Junior Inventors			
2.00 p.m.	Presidential Address - Section A 'Coconut & Health: Facts & Fallacies'			
3.00 p.m.	<i>Tea</i>			
3.15 p.m.	Mini Symposium on Innovations			

06 th December 2017 (Wednesday) Ctd..						
Time	Section D	Section E1	Section E2	Section E3	Section F	
9.30 a.m.	420/D Diagnostic accuracy of in-house developed indirect enzyme-linked immunosorbent assays for HPV18 high- risk human papillomaviral infections in oral and oropharyngeal cancer patients in Sri Lanka <i>K B W M R A I</i> <i>Wathupola,</i> <i>K A Perera,</i> <i>P V Udagama</i>	506/E1 Comparison of interface properties of post-treated p-Cu ₂ O/Au Schottky junctions <i>F S B Kafi,</i> <i>K M D C Jayathilaka,</i> <i>L B D R P Wijesundera,</i> <i>W Siripala</i>		706/E3 A Modified Firefly Algorithm to Solve Systems of Nonlinear Equations <i>M K A Ariyaratne,</i> <i>T G I Fernando,</i> <i>S Weerakoon</i>	807/F Changing shares and value growth of destination markets for exports from Sri Lanka <i>A Weerawardhane</i>	
10.00 a.m.	Sectional Business Meeting					
10.30 a.m.	<i>Tea</i>					
11.15 a.m.	Presidential Address - Section C <i>'Extreme Rainfall Analysis: Facing the Complexities'</i>					
12.15p.m.	<i>Lunch</i>					
1.00 p.m.	Poster Session/ All Island School Inventor's Competition cum Exhibition Inventor's Talk for Junior Inventors					
2.00 p.m.	Presidential Address - Section A <i>'Coconut & Health: Facts & Fallacies'</i>					
3.00 p.m.	<i>Tea</i>					
3.15 p.m.	Mini Symposium on Innovations					

07 th December 2017 (Thursday) Ctd..					
Time	Section A	Section B		Section C	
8.00 a.m.		<p><u>204/B</u> Evaluation of energy and mechanical properties of biomass briquettes produced with invasive <i>Eichornia crassipes</i> (Water hyacinth), wood residues and cow dung.</p> <p><i>W A R T W Bandara,</i> <i>P Kowshayini</i></p>	<p><u>212/B</u> Variation of phytochemicals and antioxidant capacity of domesticated and nondomesticated populations of <i>Momordica charantia</i> L. (Cucurbitaceae) fruits harvested at different maturity stages</p> <p><i>G Rathnayake,</i> <i>D C Abeyasinghe,</i> <i>R M Dharmadasa,</i> <i>P A Gamika,</i> <i>L J A P A Jayasooriya</i></p>	<p><u>220/B</u> Development of a flake mix using legumes with high total dietary fiber, resistant starch and low glycemic index</p> <p><i>O D A N Perera,</i> <i>I S Eashwarage,</i> <i>H M T Herath</i></p>	<p><u>308/C</u> Investigation on flat slabs in Sri Lanka</p> <p><i>G D R Hettiarachchi,</i> <i>U G M P Gamage,</i> <i>D N Ilayaperuma,</i> <i>D I Fernando</i></p>
8.15 a.m.	<p><u>106/A</u> Leishmaniasis trend and effects of climatic factors in Polpithigama Medical Officer of Health (MOH) area in Kurunegala district, Sri Lanka</p> <p><i>P A D H N Gunathilake,</i> <i>A C T Wijerathne,</i> <i>N K Gunawardena,</i> <i>W W P Rodrigo</i></p>	<p><u>205/B</u> Comparison of existing <i>Phyllanthus</i> populations by means of phytochemical contents and its bioactivity</p> <p><i>G K D S Wimalasiri,</i> <i>D C Abeyasinghe,</i> <i>R M Dharmadasa</i></p>	<p><u>213/B</u> Phytochemical contents and antioxidant capacity of different parts of <i>Momordica charantia</i> Linn (Cucurbitaceae)</p> <p><i>K K S Withanage,</i> <i>D C Abeyasinghe,</i> <i>R M Dharmadasa,</i> <i>G A Prathapasinghe,</i> <i>L J A P A Jayasooriya</i></p>	<p><u>221/B</u> Antioxidant properties of black plum (<i>Syzygium cumini</i>) fruits and their processed products</p> <p><i>K D P P Gunathilake,</i> <i>G U W U P Kumari</i></p>	<p><u>309/C</u> Light weight cement stabilised bricks with partial replacement of rice husk ash</p> <p><i>U Wimalaratne,</i> <i>S Karunaratne</i></p>

07 th December 2017 (Thursday) Ctd..					
Time	Section D	Section E1	Section E2	Section E3	Section F
8.00 a.m.					<p>808/F How does service quality impact on customer satisfaction? A case with LOLC Finance PLC – Sri Lanka</p> <p><i>D Warnakulasuriya, P Neelawala</i></p>
8.15 a.m.	<p>408/D Effect of rhythmic buddhist chanting (pirith) and pop music on growth performance of <i>Codoriocalyx motorius</i> (Houtt.)</p> <p><i>D S P Munasinghe, K C M Liyanage, S R Weerakoon, D M L C Dissanayake, S Somaratne</i></p>	<p>507/E1 Characterizing musical sounds with the aid of linear algebra through Matlab</p> <p><i>G D D P Jayaweera, L M Liyanage, N C Ganegoda, M A C P Gunawardhana</i></p>		<p>707/E3 Online Mechanism for Prevention of Ragging and Violence in Universities/HEI, Sri Lanka: A System Study based on Call Centre Mechanism for Prevention of Ragging in India</p> <p>N Lankasena</p>	<p>809/F Divergence between per capita GDP and per capita median household income and the economic wellbeing of Sri Lanka during last ten years</p> <p><i>W D Wickramasinghe</i></p>

07 th December 2017 (Thursday) Ctd..					
Time	Section A	Section B		Section C	
8.30 a.m.	<p>107/A The clinico-epidemiological and diagnostic patterns of malaria in transition – experience from Sri Lanka 2015-2016</p> <p><i>P Dharmawardena, K N Mendis, R G Premarathne, A R W Wickramasinghe, P Weerathunga, S D Fernando</i></p>	<p>206/B Determination of Photosynthetic biomass gain rate by leaves of selected plant species at their early growth stages</p> <p><i>W A R T W Bandara, F R Senanayake, L K D N Tharaka</i></p>	<p>214/B Phytochemical distribution and antioxidant capacity of different parts of <i>Tagetes erecta</i> Linn (Asteraceae)</p> <p><i>P M A S Perera, D C Abeyasinghe, R M Dharmadasa</i></p>	<p>222/B Physiochemical, functional and antioxidant properties of rice bran protein concentrates isolated from At 308, At 362 and BG 300 Sri Lankan rice varieties.</p> <p><i>R K R Dilhani, K D P P Gunathilake</i></p>	<p>310/C Review on quantifying the carbon footprint in a construction project in the supply chain management</p> <p>V Edirisinghe</p>
8.45 a.m.	<p>108/A Determination of variant and insecticide resistance status in <i>Anopheles stephensi</i> Liston in Mannar ; a threat for prevention of reintroduction of malaria into Sri Lanka</p> <p><i>J Harischandra, G Dharmasiri, I C Somaweera, M Hewawitharana</i></p>	<p>207/B Analysis of genetic diversity of cabbage head rot fungus, <i>Sclerotinia sclerotiorum</i>, by mycelial compatibility groups</p> <p><i>T Mahalingam, K P Somachandra, C S K Rajapakse, R N Attanayake</i></p>	<p>215/B Some agronomical studies and phytochemical analysis of <i>Stevia rebaudiana</i> (Bertoni) Bertoni - A natural low calorie sweetener</p> <p><i>E G D Ranasinghe, D C Abeyasinghe, R M Dharmadasa</i></p>	<p>223/B Evaluation of flour prepared from Gahala (<i>Colocasia esculenta</i>), Innala (<i>Plectranthus rotundifolius</i>), & Kiriala (<i>Xanthosomasagittifolium</i>) in bread making</p> <p><i>A M V C Attanayaka, K D P P Gunathilake, A M M U Adikari, V P N Prasadi</i></p>	<p>311/C Assessment on expressway development to the ambient air quality</p> <p><i>S Fernando, B C L Athapattu, M Vithanage</i></p>
9.00 a.m.	<p>109/A Breeding habitat preference and man biting habit of <i>Anopheles stephensi</i> in Island of Mannar in Sri Lanka</p> <p><i>M Hewawitharana, J Harischandra, G Dharmasiri, I Somaweera</i></p>	<p>208/B In Silico Analysis of salt tolerance associated gene OsHKT8 in Sri Lankan rice accessions.</p> <p><i>B P Abhayawickrama, D R Gimhani, N S Kottarachchi</i></p>	<p>216/B Aporosa lindleyana baill (kebella) tea: and alternative to green tea</p> <p><i>S Kathirgamanathan, W P K M Abeysekera, D M K P Weerasinghe, P Ranasinghe, A M C U Binduhewa, M D P M Peiris</i></p>	<p>224/B Isolation of arabinoxylan gum from leaves of <i>Neolitsea cassia</i> as a thickening agent for sauce</p> <p><i>W S Jeewanthi, K D P P Gunathilake</i></p>	<p>312/C Predicting indoor air quality and thermal comfort using energy simulation and computational fluid dynamics</p> <p><i>R M P S Bandara, P H V Nimarshana, R A Attalage, W C D K Fernando</i></p>

07 th December 2017 (Thursday) Ctd..					
Time	Section D	Section E1	Section E2	Section E3	Section F
8.30 a.m.	<p>409/D Screening of cyclotides in Sri Lankan medicinal plants</p> <p><i>S D W Mohotti, S Rajendran, E D De Silva, S Gunasekera, C M Hettiarachchi</i></p>	<p>508/E1 An investigation: Prime graph of non-commutative rings</p> <p><i>G S Wijesiri, D B V Kolombage</i></p>	<p>606/E2 Encapsulation of beta carotene fortified virgin coconut oil to form soft gel capsules</p> <p><i>A E Amarasinghe, R A U J Marapana</i></p>	<p>708/E3 Irrational aspects in Information Technology (IT) Governance: A Synthesis of the Literature</p> <p>N Lankasena</p>	<p>810/F Impact of Customer Attire on Price of Goods and the Service Quality in Small and Medium Scale Business Context</p> <p><i>M G Priyadarshanie, S Kumar</i></p>
8.45 a.m.	<p>410/D Comparison of the fecal indicator bacteria in beach sand collected from West coast of Sri Lanka</p> <p><i>T T Joseph, S I Abeygunawardena</i></p>	<p>509/E1 Establishing a criteria to develop non-destructive testing method for adhesively bonded textile structures using Fourier transforms</p> <p><i>W D R Fernando, D A Tanthrigoda, D R Jayasundara, S R D Rosa</i></p>	<p>607/E2 Synthesis of cellulose sulfate by enhancing cellulose swelling using microwave energy</p> <p><i>R M Munasinghe, H I C De Silva, D T U Abeytungga, L Karunanayake, M G A N Perera</i></p>		<p>811/F Factors affecting to loan repayment behaviour and credit risk of farmers in Kotiyagala village in Monaragala District</p> <p><i>N M K C Premarathne</i></p>
9.00 a.m.	<p>411/D Isolation of antibiotic resistant bacteria in different waste sources and determination of their level of resistance.</p> <p><i>G N Atapattu, A Halmillawewa</i></p>	<p>510/E1 Earth orbit determination using tidal waves</p> <p><i>J Munasinghe, K I S Kekulawala</i></p>	<p>608/E2 Computational investigation of the interaction of denaturing and protecting agents on folded and unfolded proteins</p> <p><i>G D H Keshani, S Weerasinghe</i></p>		<p>812/F Stress and coping among final year medical students of Sri Lanka</p> <p><i>W M N M Kumarasinghe, L N A C Jayawardena</i></p>

07th December 2017 (Thursday) Ctd..					
Time	Section A	Section B		Section C	
9.15 a.m.	<p>110/A Predatory efficacy of <i>Mesocyclop</i> and <i>Cyclops</i> Copepods on <i>Aedes aegypti</i> and <i>Aedes albopictus</i> larvae under laboratory settings</p> <p><i>M Hapugoda, N W B A L Udayanga, R M T B Ranathunga, M C M Iqbal, W Abeywickreme</i></p>	<p>209/B A comparative investigation on agronomic traits of popularly grown improved and traditional varieties of rice</p> <p><i>R F Hafeel, V P Bulugahapitiya, A P Bentota, G E D De Zoysa</i></p>	<p>217/B Possibility of incorporation the pineapple pulp waste in food industry as a solution to Sri Lankan Fruit processing by products.</p> <p><i>L H A G Wathsala, M D I Maheshika, C Illeperuma, A Nawarathna, S Sukirtha, C V L Jayasinghe</i></p>	<p>225/B Proximate composition and mineral assay of flour obtained from Gahala (<i>Colocasia esculenta</i>), Kiriala (<i>Xanthosomasagittifolium</i>) and Innala (<i>Plectranthusrotundifolius</i>)</p> <p><i>H A C O Hettiarachchi, K D P P Gunathilake, A M M U Adikari, V P N Prasadi</i></p>	<p>313/C Automatic garbage separation system</p> <p><i>H P N N Kumari, S A D A N Dissanayake</i></p>
9.30 a.m.	<p>111/A Applicability of malaria rapid diagnostic tests in diagnosing non-falciparum malaria infections in Sri Lanka-under zero indigenous malaria setting.</p> <p><i>W M K T de Silva, A W Gunasekera, R G Premaratne, O V D S J Weerasena, S M Handunnetti, S Premawansa, S D Fernando</i></p>	<p>210/B Isolation and morphological characterization of possible Glyphosate degrading bacteria from selected contaminated sites in Sri Lanka</p> <p><i>W H Kaushalya, C K Hemachandra, W W P Rodrigo, W R K Fonzeka, R Samarasekera</i></p>	<p>218/B Impact of gamma irradiation on postharvest shelf life extension of coated giant guava (<i>Psidium guajava</i> L.)</p> <p><i>P S Wickramarathna, R M N P Rathnayake, L H A G Wathsala, K V S P Dharmawansa, C V L Jayasinghe</i></p>	<p>226/B Evaluation of chitinase activity of Sri Lankan <i>Bacillus thuringiensis</i> strains</p> <p><i>R Y Baragamaarachchi, R Samarasekera, O V D S J Weerasena</i></p>	<p>314/C Preliminary study on automatic detection of Malitha flower</p> <p><i>H D S Jayashani, S A D A N Dissanayake, M A U K Premaratne</i></p>
9.45 a.m.		<p>211/B Water stability of aggregates in relation to water-repellent characteristics in a Eucalyptus (<i>Eucalyptus grandis</i>) forest soil</p> <p><i>H I G S Piyaruwan, D A L Leelamanie</i></p>	<p>219/B Utilization of pumpkin waste as a source of pectin</p> <p><i>M D J C Sandarani, D M C M K Dasanayaka, V P N Prasadi, C V L Jayasinghe</i></p>	<p>227/B Low salted dry fish production and value addition to dry fish by incorporating herbal salt extracted from <i>Halosarcia indica</i> (willd.) Paul G.Wilson</p> <p><i>A Lintha, R G S Wijesekera, R M Dharmadasa, P Ranasinghe, D C Abeyasinghe</i></p>	<p>315/C Design of an ultra user friendly domestic water pump controller</p> <p><i>M R H E Bandara, D N Balasuriya</i></p>

07 th December 2017 (Thursday) Ctd..					
Time	Section D	Section E1	Section E2	Section E3	Section F
9.15 a.m.	<p>412/D Presence of heavy metals and polycyclic aromatic hydrocarbons in the atmosphere of Kandy City and associated health risks</p> <p><i>L Weerasundara, D N Magana Arachchi, D G G P Karunaratne, M Vithanage</i></p>	<p>511/E1 Fermi-LAT GeV flux observation of the BL Lacertae object</p> <p><i>K L I Gunawardhana, K P S C Jayarathne, A U Abeysekara</i></p>	<p>609/E2 Usage of Stychnos potatorum seeds for reduction of chemical oxygen demand in laundry effluent</p> <p><i>D P C Sonali, Y L N Mathotaarachchige</i></p>		<p>813/F Factors influencing the choice of organic and non-organic farming among spice growers in Kandy District</p> <p><i>D M K Kansajith</i></p>
9.30 a.m.	<p>413/D Metal release from serpentine soils under two different soil water status and different soil amendment levels</p> <p><i>R M V N Gunarathne, N Rajakaruna, M Vithanage</i></p>	<p>512/E1 Finite difference Weerakoon-Fernando Method to solve nonlinear equations without using derivatives</p> <p><i>S Weerakoon, T G I Fernando, S Heenatigala</i></p>	<p>610/E2 Optimization and validation of curcumin method in determination of boron in steel and evaluation of the possibility of using curcumin extracted from turmeric in the analysis</p> <p><i>W K D L K Walpita, R C L De Silva</i></p>		<p>814/F Teaching sustainable engineering using disassemble -analyse- assemble (DAA) activities and lifecycle assessment (LCA) approach in first year engineering education</p> <p><i>S Karunaratne</i></p>
9.45 a.m.			<p>611/E2 Computational design and investigation of antioxidant activity of phenolic compounds and their derivatives</p> <p><i>K H K Surangika, D R Pandithavidana</i></p>		<p>815/F Analysis of consumer perceptions for making purchase decisions on fruit beverages in Sri Lankan supermarkets</p> <p><i>S G Kothalawala, J M J K Jayasinghe</i></p>

07 th December 2017 (Thursday) Ctd..								
Time	Section A	Section B	Section C	Section D	Section E1	Section E2	Section E3	Section F
10.00 a.m.	<i>Tea</i>							
10.30 a.m.	Presidential Address - Section D <i>'Potential of Agricultural Biotechnology for National Economic Development'</i>							
11.30 a.m.	Presidential Address - Section E1 <i>'Energy and Storage Devices for Unconventional Sustainability'</i>							
12.30 p.m.	<i>Lunch</i>							
1.15 p.m.	Prseidentia Address - Section E2 <i>'Metals and Human Health'</i>							
2.15 p.m.	Awards Ceremony of All Island School Inventor's Competition							
3.15 p.m.	<i>Tea</i>							
3.45 p.m.	Presidential Address - Section F <i>'Emotional Intelligence : Conceptualization and Practice'</i>							
4.45 p.m.	Council Meeting							

08 th December 2017 (Friday) Ctd..								
Time	Section A	Section B	Section C	Section D	Section E1	Section E2	Section E3	Section F
8.45 a.m.	Presidential Address - Section E3 <i>'Interoperability! A mandatory enabler for Total Success'</i>							
9.45 a.m.	<i>Tea</i>							
10.15 a.m.	Presidential Address - Section B <i>'Sustainable management of aquatic resources for food security'</i>							
11.15 a.m.	Annual General Meeting							
12.45 p.m.	<i>Lunch</i>							
	<i>End</i>							

Poster Presentations

Section A

901/A	Knowledge of teachers regarding fine motor skills of children with Down syndrome in the context of special education in Southern Province of Sri Lanka	<i>S A Gamage, C J Wijesinghe, P Burtner, A R Wickramasinghe</i>
902/A	<i>Asparagus racemosus</i> (Willd) of Sri Lankan origin: Physico-chemical, phyto-chemical and nutritional profiles of root powder	<i>Y A U D Karunaratne, A P G Amarasinghe, U K A Samarasinghe, L D A M Arawwala</i>
903/A	The efficacy of Novaluron as an active ingredient in Autocidal Gravid Ovitrap (AGOs) to control <i>Aedes albopictus</i> (Skuse)	<i>M D Hapugoda, G P W K Withanage, W Abeywickreme</i>
904/A	Effect of hot water extract of <i>Tragia involucrata</i> L. on lipid profile in high fat diet STZ induced diabetic rats and normoglycaemic rats	<i>Pallie M S, P K Perera, C L Gunasekara, K M N Kumarasinghe, L D A M Arawwala</i>
905/A	Identification of bacteria in patients with bronchiectasis and suspected lung cancer; A Preliminary Study	<i>D Magana arachchi, A Ekanayake, D Madegedara</i>
906/A	Mathematical modelling to forecast dengue epidemics in Gangawata Korale and Kandy Municipal Council Medical Officer of Health (MOH) Divisions in Kandy district, Sri Lanka	<i>P A D H N Gunathilake, N W B A L Udayanga, M C M Iqbal, P H D Kusumawathie, M M M Najim, U S Amarasinghe, W Abeywickreme</i>
907/A	Dengue vector abundance and probable breeding habitats among selected school premises in the District of Gampaha, Sri Lanka	<i>N M L Radhika, P A D H N Gunathilake, A Kasthuriratne, W Abeywickreme</i>

Section B

908/B	Review of heat pump dryers for food drying	<i>P N R J Amunugoda, G D D R Jayasinghe, G R Dunuwila,</i>
909/B	Isolation and identification of soil micro fungi of semi natural montane forest and adjacent pine plantation in Peacock Hill, Pussellawa, NuwaraEliya district	<i>R G K Dharmasiri, B T S D P Kannangara</i>
910/B	Variation of phytochemicals and Antioxidant Capacity with the maturity of pods and different parts of <i>Moringa oleifera</i> Lam. (Moringaceae)	<i>A D G L Dilruni, D C Abeysinghe, R M Dharmadasa</i>
911/B	Effect of different spacing fertilizer treatments on physical and chemical yield of different plant parts of <i>Pogostemon heyneanus</i> Benth.	<i>R M Dharmadasa, R M D H Rathnayake, D C Abeysinghe</i>
912/B	Small scale poultry farming related constraints in Panduwasnuwara divisional secretariat division of Kurunegala district, Sri Lanka	<i>T G S L Prakash, M T C Perera</i>

Poster Presentations

Section B ctd..

913/B	The postharvest losses of vegetables through the normal transportation method in Sri Lanka	<i>T Vaikunthan, D M C M K Dasanayaka, M A Wijewardane, C V L Jayasinghe</i>
914/B	Application of Cleaner production for selected leeks and papaya value chains in Sri Lanka	<i>N M Rimzan, D M C M K Dasanayaka, A M D Shyamalee, C V L Jayasinghe</i>
915/B	Assessing of fish freshness using Torrymeter, chemical, microbiological and organoleptic methods in Skipjack tuna (<i>Katsuwonuspelamis</i>), Indian scad (<i>Decapterusrusselli</i>) and Spangled emperor (<i>Lethrinusnebulosus</i>)	<i>A P A Madushani, S Ariyawansa, C V L Jayasinghe</i>
916/B	Comparison of water quality and primary productivity between shrimp and seabass culture ponds	<i>A S L E Corea</i>
917/B	Extraction, characterization of chitosan from <i>Portunus pelagicus</i> and comparison with commercial chitosan	<i>T M H D Tennakoon, K D P P Gunathilake</i>
918/B	Development of crackers supplemented with Chitosan extracted from <i>Portunuspelagicus</i> shells	<i>T M H D Tennakoon, K D P P Gunathilake</i>
919/B	Performance Evaluation of a Newly Fabricated Steam Distillation Unit on Extracting Essential Oil from <i>Pogostomen heyneanus</i> Benth. (Lamiaceae)	<i>I J Amadoru, A M C M Senavirathna, D C Abeysinghe, R M Dharmadasa</i>
920/B	Quantification of selected prebiotics and prebiotic potential of local yams Gahala (<i>Colocasia esculenta</i>), Kiriala (<i>Xanthosomas agittifolium</i>), and Innala (<i>Plectranthus rotundifolius</i>)	<i>W S W M S M Kumarasinghe, A M M U Adikari, V P N Prasadi, K D D P Gunathilake</i>
921/B	Diligent deliberations on the functions of the paddy milling Industry in Eastern province of Sri Lanka as to whether it is in boom or bust?	<i>M M Nifras, K Umashankar</i>

Section C

922/C	Long term trends of temperature in Sri Lanka	<i>N Gnanapragasam, J Obeysekera, M Vithanage</i>
923/C	E-waste management practices: flea market as a stimulator to promote reuse and recycling of used computers and mobile phones	<i>T Jayaweera, B C L Athapattu, C P S Pathirana</i>
924/C	Timing correction of Frequency Demodulation of an FM signal by zero crossing detection by digital signal processing	<i>M H M N D Herath</i>
925/C	A supercapacitor-battery hybrid converter for PV solar powered lighting systems in Sri Lanka	<i>T C P K Wickramasinghe, A G M Lokuliyana</i>
926/C	Factors to consider in Proper Management of Human Resources for an Aircraft Maintenance Organization	<i>W D T Fernando, W M I M Gunasiri, E Bitare, S Masengesho</i>

Poster Presentations

Section D

927/D	Assessment of drinking water quality of domestic wells in Chunnakam and Vadamaradchi, Jaffna peninsula	<i>S Suvendran, W M D N Wijeyaratne</i>
928/D	Antimicrobial peptides in <i>Nephilengys malabarensis</i> (Hermit spider) web silk are secreted by the aggregate gland	<i>B M Y D E Amarasekera, Y N A Jayatunga, C Nanayakkara, I C Perera</i>
929/D	In silico identification of potential TALENS and CRISPER targets in Hepatitis B viral genome.	<i>D H H Munasinghe, W G B P Dharmasena</i>
930/D	Assessing potential toxicity of selected Henna based commercial hair dyes using the cytogenetic test model, <i>Allium cepa</i>	<i>N M S K Nawalage, A Pathiratne</i>
931/D	Floral phenology and pollination in interspecific hybrids <i>Momordica dioica</i> .	<i>L N Manawadu, T D Silva, D Weerasekara</i>
932/D	Development of a sample preparation method for the extraction of leptospiral DNA from environmental water samples	<i>G D P Madhubhashini, W A S Wijendra, K M E P Fernando, R Ramesh, K A K C Kulathunga</i>
933/D	Management of Pineapple Mealy Bug Wilt associated Virus (PMWaV) in pineapple (<i>Ananas comosus</i> (L.) Merr.) using different fertilizer application	<i>M A D P Mananadewa, L K R R Jayakody, C Ranasinghe</i>
934/D	Oviposition responses of <i>Aedes aegypti</i> and <i>Aedes albopictus</i> (Diptera: Culicidae) to five types of grass infusions	<i>G A S M Ganehiarachchi, V A S B Vithana Arachchi</i>
935/D	Phytotoxicity assesment of Profenofos based commercial insecticide using the model organism, <i>Allium cepa</i>	<i>G A M S Gunarathna, C K Hemachandra</i>
936/D	Isolation and morphological characterization of petroleum crude oil degrading fungi from chronically contaminated sites in Sri Lanka	<i>H K S P S Iddamalgoda, C K Hemachandra, W W P Rodrigo, W R K Fonseka</i>
937/D	Effect of crude methanolic extracts <i>Phyllanthus maderaspatensis</i> (Family: Euphorbeaceae) on cholesterol induced Wistar albino rats (<i>Mus norvegicus albinus</i>)	<i>D M L C Dissanayaka, S R Weerakoon, S Somaratne, N Nilakarawasam</i>
938/D	DNA sequence analysis of principal dengue vector provides evidence for high genetic adaptability	<i>M D Nirmani, K L N Perera, G H Galhena</i>
939/D	Comparative analysis to determine the antioxidants of <i>Averrhoa carambola</i> (Star fruit) in Sri Lanka and Malaysia.	<i>D Weerathunga, S Dias</i>
940/D	Screening of selected plants in genera Psychotria and Hediyotis for its antimicrobial activity and cyclotid	<i>R A S S Ranaweera, S Rajendran, S D W Mohotti, C M Hettiarachchi</i>
941/D	Isolation and screening of potential antibiotic producing bacteria from soil	<i>Y K A T M Kumarajith, M M Gunawardena</i>
942/D	Biochar as a sustainable solution for pollution remediation from the municipal solid waste dumps in Sri Lanka	<i>Y Jayawardhana, M Vithanage</i>
943/D	Poultry manure, a potential fertilizer source for increasing Mg levels in Coconut plantations	<i>M K F Nadeesha, A D Nainanayake</i>

Poster Presentations

Section E1

944/E1	Synthesis of reduced graphene oxide of local graphite using alternating microwave method	<i>M D R De Costa, R C L De Silva, L D C Nayanajith, H A M T Hettiarachchi, I R M Kottegoda, S R D Rosa</i>
945/E1	Investigation of Effect of temperature on the Transmission of Dengue Fever and Using Its Result to Propose an Eradication Strategy	<i>H D I M Nirmanamali, D S Rodrigo</i>
946/E1	Non-destructive analysis of monitoring the ripeness in mature lime fruit by pulse excitation technique	<i>R V Coore, B K Mahaarachchi</i>

Section E2

947/E2	Study on variation of amylose content and hydration properties of selected paddy varieties during storage	<i>A T Abeysundara, S B Navaratne, I Wickramasinghe</i>
948/E2	Antioxidant properties of selected pigmented whole long grain rice varieties of Sri Lanka	<i>M D W Samaranayake, W K S M Abeysekera, S L Liyanage, G A S Premakumara, W P K M Abeysekera</i>
949/E2	Evaluation of antioxidant activity of Manihot esculenta Crantz leaves and roots in vitro in Sri Lanka: A preliminary study	<i>S F Ameer, S Dias</i>
950/E2	Activity of some fractions of Barringtonia asiatica seed kernel against selected bacterial strains	<i>P Ragutharan, M M Weerasekera, S Ekanayake</i>
951/E2	Isolation, screening and identification of glucose oxidase producing fungi from Nelumwewa and Maha Oya hot water springs	<i>A M U S Amarapathy, C P D W Mathew</i>
952/E2	Production, purification and characterization of thermostable glucose oxidase from Talaromyces funiculosus AMS1 isolated from Nelumwewa hot water springs	<i>A M U S Amarapathy, C P D W Mathew</i>
953/E2	Purification and characterization of thermostable alpha amylase from Caldimonas manganoxidans MS1 isolated from Maha Oya hot water spring in Sri Lanka	<i>M F R Siraj, C P D W Mathew, C Witharana</i>
954/E2	Isolation, biochemical characterization and identification of thermostable alpha amylase producing bacteria from hot water springs in Sri Lanka	<i>M F R Siraj, C P D W Mathew, C Witharana</i>
955/E2	Screening of three selected medicinal plant extracts for in vitro antioxidant activity	<i>A M S S Amarasiri, A P Attanayake, K A P W Jayathilaka, L K B Mudduwa</i>
956/E2	Identification of main chemical compound responsible for the bitterness in pasteurized juice of "Bibila sweet" oranges	<i>G O De Silva, R A U J Marapana</i>
957/E2	Selected fatty acids in sweet potato (Ipomoea batatas) tuber flour	<i>G R N N Waidyarathna, S Ekanayake, G A P Chandrasekara</i>
958/E2	Aporosa lindleyana Baill. (Kebella) tea: An alternative to green tea	<i>S Kathirgamanathar, W P K M Abeysekera, D M K P Weerasinghe, P Ranasinghe</i>
959/E2	Application of fluorescence spectroscopy as a tool for quality determination of ayurvedic medicinal oils	<i>S M Vithanarachchi, A J Liyanarachchi</i>

Poster Presentations

Section E2 Ctd..

960/E2	Optimization of parameters for extraction of dye from <i>Swietenia macrophylla</i> (Mahogany) and adsorption isotherms on cotton fabric	<i>Y R Ranathunga, C N Ratnaweera</i>
961/E2	General water quality parameters of hospital wastewater from three selected hospitals, Sri Lanka	<i>D M W K Dissanayaka, C S Kalpage, M Vithanage</i>
962/E2	Rice flour fortification programme in Sri Lankan practice - A pilot scale study	<i>H M T Herath, M W D Samaranayake</i>

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