



# Programme Guide

PGIS Research Congress 2019 - 11<sup>th</sup> October 2019

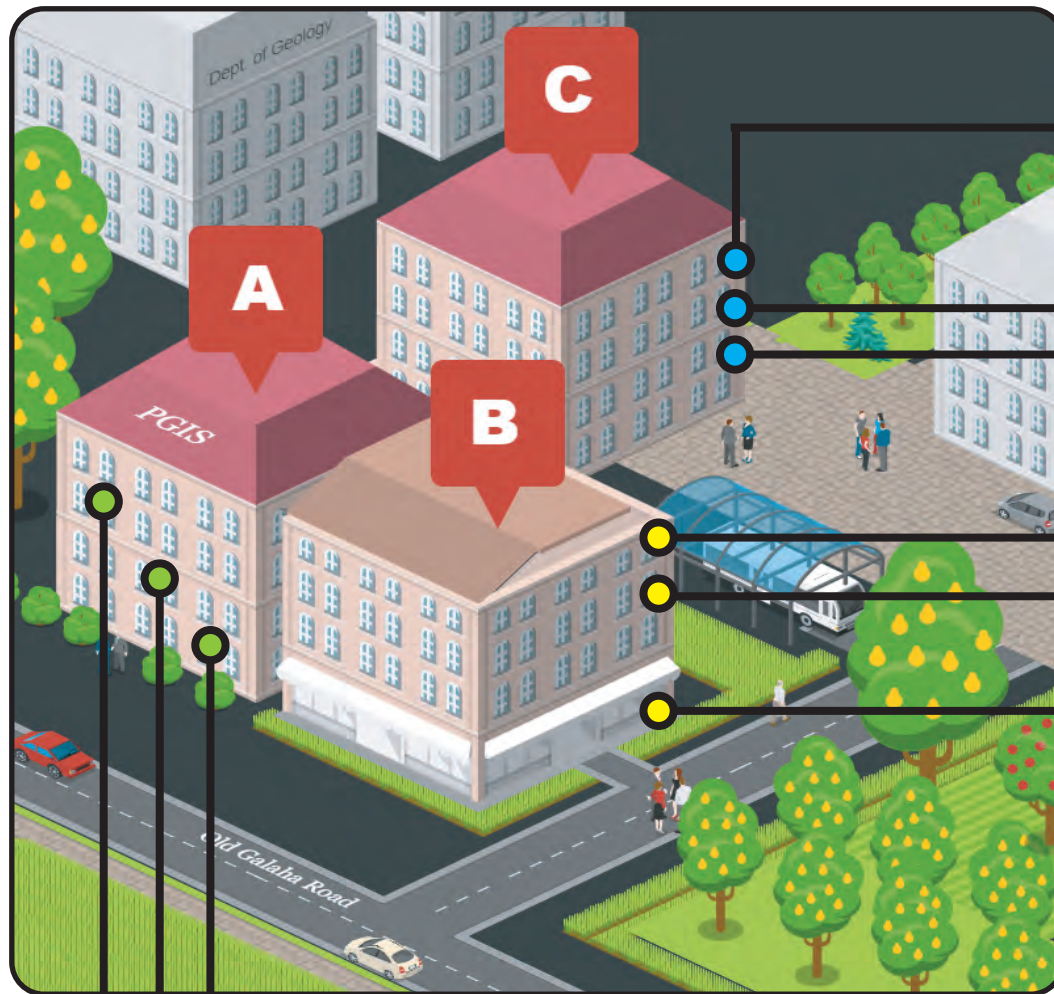
Earth and Environmental Sciences (EES)

ICT, Mathematics and Statistics (ICTMS)

Life Sciences (LS)

Physical Sciences (PS)

Science Education (SE)



*3<sup>rd</sup> Floor*

CONFERENCE ROOM

*2<sup>nd</sup> Floor*

CAFETERIA

*1<sup>st</sup> Floor*

C.2.4

C.2.5 (POSTER SESSION)

C.2.6

*3<sup>rd</sup> Floor*

ROOF TOP

*2<sup>nd</sup> Floor*

B.3.1 and B.3.2

*Ground Floor*

CAR PARK

*Ground Floor*

A.1.1 and A.1.2

*1<sup>st</sup> Floor*

PGIS OFFICE

*2<sup>nd</sup> Floor*

AUDITORIUM, A.3.1, A.3.2

# RESCON 2019

Conference and Event Centre

## PGIS Research Congress 2019 - Technical Session

Time	EES1	EES2	ICTMS	ICTMS	LS1	LS2	LS3/PS1	PS2	SE1
	PGIS (NEW) C.2.4	PGIS (NEW) C.2.6	PGIS B.3.1	PGIS B.3.2	PGIS A.3.1	PGIS A.3.2	PGIS Auditorium	PGIS A.1.1	PGIS A.1.2
7:30 AM - 8:30 AM	<b>REGISTRATION (PGIS CAR PARK)</b>								
8:30 AM - 10:30 AM	<b>INAUGURATION CERAMONY (PGIS AUDITORIUM)</b>								
10:30 AM - 11:00 AM	<b>REFRESHMENTS</b>								
11:00 AM - 11:15 AM	90	91	10	11	171	136	96	113	2
11:15 AM - 11:30 AM	110	76	44	34	43	80	124	111	57
11:30 AM - 11:45 AM	86	15	48	75	6	39	153	109	100
11:45 AM - 12:00 AM	31	81	65	74	93	7	137	67	146
12:00 AM - 12:15 PM	158	18	66	116	139	104	49	84	161
12:15 PM - 12:30 PM	8	12	132	165	42	20	47	121	
12:30 PM - 12:45 PM	154	53	134	167	103	58			
12:45 PM - 1:00 PM	141	77	160	174					
1:00 PM - 2:00 PM	<b>LUNCH</b>								
2:00 PM - 2:15 PM	99		89	173	37	152	23	169	125
2:15 PM - 2:30 PM	176		56	102	156	40	24	70	128
2:30 PM - 2:45 PM	131		61	105	142	139	45	16	177
2:45 PM - 3:00 PM	130		62	122	54	59	60	145	147
3:00 PM - 3:15 PM	71		33	117	19	149	85	162	
3:15 PM - 3:30 PM	87		73	172	21	168	27	101	
3:30 PM - 3:45 PM	114		98	30	22	13	127		
3:45 PM - 4:00 PM			144	36	148				
4:00 PM - 5:00 PM	<b>POSTER SESSION (PGIS NEW C.2.5) &amp; TEA</b>								

11<sup>th</sup> October, 2019 (Friday) PGIS Research Congress 2019 - Technical Session (Morning)

Time	EES1 (PGIS (NEW) C.2.4)	EES2 (PGIS (NEW) C.2.6)	ICTMS (PGIS B.3.1)	ICTMS (PGIS B.3.2)
<b>SESSION CHAIRS</b>	<i>Prof. G.A.D. Perera</i> <i>Prof. K.M.G.G. Jayasuriya</i>	<i>Prof. H.A. Dharmagunawardane</i> <i>Dr. A.A.J.K. Gunathilake</i>	<i>Prof. A.A.I. Perera</i> <i>Dr. A.A.S. Perera</i>	<i>Prof. P. Wijekoon</i> <i>Prof. W.B. Daundasekara</i>
11.00 AM - 11:15 AM	<b>ID90</b> -PHYTOCHEMICAL SCREENING, ANTIFUNGAL AND ANTIBACTERIAL ACTIVITY OF <i>PSIDIUM GUAJAVA</i> LEAF EXTRACTS  <i>K.A.M.R. Samarasinghe, R. Srikanan and A.C. Thava</i>	<b>ID91</b> -MODIFICATION OF ZEOLITE FOR REMOVAL OF FLUORIDE IN WATER  <i>E.M.A.P.B. Ekanayake, W.M.A.T. Bandara, S.V.R. Weerasooriya and I.P.L. Jayarathna</i>	<b>ID10</b> -THE DOMINATION NUMBER AND NON - SPLIT DOMINATION NUMBER OF ROACH GRAPH  <i>K.G.M.U. Wickramasinghe and K.K.K.R. Perera</i>	<b>ID11</b> -SPATIAL AND CLUSTER ANALYSIS OF DENGUE TRANSMISSION IN WESTERN PROVINCE  <i>G.A.P. Kethmi and L.P.N. D. Premarathna</i>
11:15 AM - 11:30 AM	<b>ID110</b> -FINFISH SPECIES COMPOSITION AND COMMERCIAL FISH PRODUCTION OF BOLGODA NORTH LAKE, SRI LANKA  <i>D.M.C.P. Dissanayake and S.M.D.A.U. de Alwis</i>	<b>ID76</b> -MITIGATION OF HIGH TDS WATER WITH ELECTRODIALYSIS REVERSAL METHOD – AN ALTERNATIVE SOLUTION FOR DRY ZONE WATER PROBLEM IN SRI LANKA  <i>J.U. Halpegama, P. Rukshagini, B. Tian, A.C. Herath, S.K. Weeragoda, Y. Wei and R. Weerasooriya</i>	<b>ID44</b> -AN ASYMMETRIC CRYPTOSYSTEM BASED ON MULTIPLICATIVE TRAPDOOR KNAPSACK AND MULTI-PRIME RSA  <i>A.P. Madushani and P.G.R.S. Ranasinghe</i>	<b>ID34</b> -STABILITY ANALYSIS OF SRI LANKAN TEA EXPORT MARKETS USING MARKOV CHAIN APPROACH  <i>S. Kayathiri and A. Laheetharan</i>
11.30 AM - 11.45 AM	<b>ID86</b> -MORPHOLOGICAL DIVERSITY OF PHYTOLITHS OF SELECTED SRI LANKAN TRADITIONAL RICE LANDRACES  <i>W.M.M.T. Thennakoon and M.L.A.M.S. Munasinghe</i>	<b>ID15</b> -EFFECTS OF SELECTED WATER QUALITY PARAMETERS ON SEASONAL FLUCTUATIONS OF 2- METHYLISOBORNEOL IN SURFACE WATER BODIES OF SRI LANKA  <i>G.S.S. Ganegoda, S.D.M. Chinthaka and P.M. Manage</i>	<b>ID48</b> -AN IMPROVED METHOD TO FIND AN INITIAL FEASIBLE SOLUTION TO A TRANSPORTATION PROBLEM  <i>N.G.S.A. Nawarathne and Z.A.M.S. Juman</i>	<b>ID75</b> -A SURVIVAL ANALYSIS ON DENGUE PATIENTS IN KALUTARA DISTRICT  <i>T. Chanika Dilushi De Silva, N. Satkunanathan and M.B.A. Ghouse</i>
11:45 AM - 12:00 AM	<b>ID31</b> -ENHANCEMENT OF PHOSPHORUS SOLUBILITY OF EPPAWALA ROCK PHOSPHATE USING MICROBIAL BIOFILMS  <i>J.P.H.U. Jayaneththi, G. Seneviratne, H.M.S.P. Madawala and M.G.T.S. Amarasekara</i>	<b>ID81</b> -VARIATIONS IN WATER QUALITY PARAMETERS IN NEGOMBO LAGOON, SRI LANKA AND ITS IMPACT ON FISH AND SHELLFISH ABUNDANCE  <i>R.M.S.W. Rathnayake and D.C.T. Dissanayake</i>	<b>ID65</b> -CONSTRUCTION OF MAGIC SQUARES OF ORDERS $q^n$ , WHERE $q$ IS ODD AND $n \in \mathbb{N}$  <i>W.V. Nishadi and A.G.C. Perera</i>	<b>ID74</b> -THE BEST- FIT PROBABILITY DISTRIBUTION AND RETURN LEVELS FOR ANNUAL MAXIMUM MONTHLY RAINFALL  <i>P.A.D.A.N. Appuhamy, L.G.De Silva and E.M.P.Ekanayake</i>

11<sup>th</sup> October, 2019 (Friday) PGIS Research Congress 2019 - Technical Session (Morning)

LS1 (PGIS A.3.1)	LS2 (PGIS A.3.1)	LS3 (PGIS Auditorium)	PS2 (PGIS A.1.1)	SE1 (PGIS A.1.2)
<p><b>Prof. N.L.V.V. Karunaratne</b> <b>Prof. B.M.R. Bandara</b></p>	<p><b>Prof. R.G.S.C. Rajapakse</b> <b>Prof. Sudharma K Yatigammana</b></p>	<p><b>Prof. D.M.D. Yakandawala</b> <b>Prof. C.L. Abayasekera</b></p>	<p><b>Prof. M.A.K.L. Dissanayake</b> <b>Dr. P.W.S.K. Bandaranayake</b></p>	<p><b>Prof. H.M.S.P. Madawala</b> <b>Dr. W.D. Chandrasena</b></p>
<p><b>ID171</b>-SCREENING ANTI-BACTERIAL ACTIVITY OF ENDOLICHENIC FUNGI COLLECTED FROM NEGOMBO LAGOON, SRI LANKA</p> <p><u>W.R.H. Weerasinghe, R.N. Attanayake, G. Weerakoon and P.A. Paranagama</u></p>	<p><b>ID136</b>-ANTIMICROBIAL, BRINE SHRIMP LETHALITY, ANTIOXIDANT AND ANTI-INFLAMMATORY ACTIVITIES OF ALKALOIDS OF <i>HOLARRHENA MITIS</i> (VAHL) R.BR.</p> <p><u>A.T. Jayaweera, W.G.D. Wickramasingha, D.N. Karunaratne, S. Jayasinghe and V. Karunaratne</u></p>	<p><b>ID96</b>-<i>ERAGROSTIS TEF</i> (TEFF), AS A BRIDGING SPECIES TO IDENTIFY BLAST DISEASE RESISTANCE GENES IN UNDERUTILIZED CEREAL CROPS</p> <p><u>G.K.S.N. Gajjanayake and H.A.C.K. Ariyaratna</u></p>	<p><b>ID113</b>-DOSIMETRY ON <sup>131</sup>I TREATMENT AT THE NUCLEAR MEDICINE UNIT OF UNIVERSITY OF PERADENIYA</p> <p><u>M.F. Shirooza, D.K.K. Nanayakkara, J.A.C.P. Jayalath and V. Sivakumar</u></p>	<p><b>ID02</b>-EXPLORATION OF EXISTING STATUS OF THE SCHOOL BASED ASSESSMENT SYSTEM IN G.C.E. ADVANCED LEVEL CHEMISTRY</p> <p><u>G.G.P.S. Perera, W.M.A.T. Bandara and T.M.S.S.K. Yatigammana Ekanayake</u></p>
<p><b>ID43</b>-INVESTIGATION OF INHIBITORY EFFECTS OF <i>AZADIRACHTA INDICA</i> (KOHOMBA) BARK AND LEAVES, <i>MIMOSA PUDICA</i> (NIDIKUMBA) AND <i>TERMINALIA CATAPPA</i> (KOTTAMBA) ON GLYCATION AND GLYCATION INDUCED CROSS-LINKING</p> <p><u>O. Dheerasekera and H. K. I. Perera</u></p>	<p><b>ID80</b>-EMBRYONIC DEVELOPMENT IN THE GOLDEN CARP (<i>CYPRINUS CARPIO</i>) UNDER LABORATORY CONDITIONS</p> <p><u>K.G.D.D. Thilakarathne, P.H.T. Lakkana, G.N. Hirimuthugoda and S. Kumburegama</u></p>	<p><b>ID124</b>-DETERMINATION OF SEED DORMANCY AND GERMINATION BEHAVIOUR OF 25 PLANT SPECIES FROM TROPICAL LOWLAND RAINFORESTS IN SRI LANKA</p> <p><u>B.R.C.P. Samarasinghe, K.M.G.G. Jayasuriya, A.M.T.A. Gunaratne and S.M.C. Senanayaka</u></p>	<p><b>ID111</b>-DETERMINATION OF THERMAL NEUTRON FLUX AND THERMAL TO EPITHERMAL NEUTRON FLUX RATIO OF THE Am-Be NEUTRON SOURCE</p> <p><u>W.W.S. Poornima, V. Sivakumar, C.P. Jayalath and T.P. Ranawaka</u></p>	<p><b>ID57</b>-A CASE STUDY OF STUDENT-CENTRED CHEMICAL LABORATORY ACTIVITIES FOR GRADE 11 STUDENTS' CHEMISTRY LEARNING IN VAVUNIYA DISTRICT</p> <p><u>T. Sakeetharan, A.D.L.C. Perera and T.M.S.S.K. Yatigammana Ekanayake</u></p>
<p><b>ID06</b>-VALIDATION OF TRIPLEX POLYMERASE CHAIN REACTION BASED METHOD FOR MOLECULAR IDENTIFICATION OF YELLOWFIN, BIGEYE AND SKIPJACK FRESH TUNA SAMPLES.</p> <p><u>S.N.H. Ariyaratne and W.W.P. Rodrigo</u></p>	<p><b>ID39</b>-RESISTANCE TO PARASITISM IN COMMON HOURGLASS TREE FROG, <i>POLYPEDATES CRUCIGER</i> TOWARDS TREMATODE INFECTIONS: ARE EARLY TADPOLE STAGES MORE VULNERABLE TO CERCARIAE?</p> <p><u>N.U.K. Pathirana, M. Meegaskumbura and R.S. Rajakaruna</u></p>	<p><b>ID153</b>-CALLUSING AND SHOOT PROLIFERATION OF <i>RAUVOLFIA SERPENTINA</i></p> <p><u>H.N.T.M. Kumarasiri, K.K.H.H.Sasanthika and P.L. Hettiarachchi</u></p>	<p><b>ID109</b>-MIXING VEGETABLE OILS WITH LUBRICANT OIL FOR AUTOMOBILES AS A COST REDUCTION METHOD</p> <p><u>W.H.P. Kumari and L.R.A.K. Bandara</u></p>	<p><b>ID100</b>-FACTORS AFFECTING STUDENTS' LOW ENROLMENT IN G.C.E. ADVANCED LEVEL SCIENCE STREAM: A CASE STUDY IN KULIYAPITIYA EDUCATION ZONE</p> <p><u>L.M. Hettige and T.M.S.S.K. Yatigammana Ekanayake</u></p>
<p><b>ID93</b>-ANTICARIOGENIC EFFECTS OF DIFFERENT SOLVENT EXTRACTS OF A TRADITIONAL SRI LANKAN HERBAL MIXTURE (DAHAT WATTIYA) USED TO PROTECT ORAL HEALTH - AN IN VITRO STUDY</p> <p><u>G.R.A.I. Rathnayaka, B.G.T.L. Nandasena, J.A.M.S. Jayatilake and M.P. Paranagama</u></p>	<p><b>ID07</b>-HELMINTHIASIS OF DOGS IN PERADENIYA UNIVERSITY PREMISES: A POTENTIAL PUBLIC HEALTH PROBLEM</p> <p><u>C. S. Sepalage, P. K. Perera and R. S. Rajakaruna</u></p>	<p><b>ID137</b>-CLINICO-LABORATORY PROFILES AND COMPARISON OF NS1 AND VIRAL RNA DETECTION IN A SELECTED GROUP OF DENGUE SUSPECTED PATIENTS</p> <p><u>S.D.K Wijesuriya, Madhumanee Abeywardena, Faseeha Noordeen and W.A.S.S Wickrama</u></p>	<p><b>ID67</b>-CONSTRUCTION OF CARBON DIOXIDE MONITOR AND ACQUISITION OF DATA IN SOME SELECTED PLACES</p> <p><u>R.P.N.R. Rajapakse and P.W.S.K. Bandaranayake</u></p>	<p><b>ID146</b>-SCIENCE PERFORMANCE OF INDIGENOUS STUDENTS AND THEIR NON-INDIGENOUS COUNTERPARTS IN MAHIYANGANAYA EDUCATION ZONE IN SRI LANKA</p> <p><u>A.M.R.S. Bandara and T.M.S.S.K. Yatigammana Ekanayake</u></p>

11<sup>th</sup> October, 2019 (Friday) PGIS Research Congress 2019 - Technical Session (Morning)

Time	EES1 (PGIS (NEW) C.2.4)	EES2 (PGIS (NEW) C.2.6)	ICTMS (PGIS B.3.1)	ICTMS (PGIS B.3.2)
<b>SESSION CHAIRS</b>	<b>Prof. G.A.D. Perera</b> <b>Prof. K.M.G.G. Jayasuriya</b>	<b>Prof. H.A. Dharmagunawardane</b> <b>Dr. A.A.J.K. Gunathilake</b>	<b>Prof. A.A.I. Perera</b> <b>Dr. A.A.S. Perera</b>	<b>Prof. P. Wijekoon</b> <b>Prof. W.B. Daundasekara</b>
12:00 PM - 12:15 PM	<b>ID158</b> -IMPACT OF ASSOCIATED ANIONS ON LEAD UPTAKE BY <i>PISTIA STRATIOTES</i> FROM WASTEWATER  <i>K.N.M.H.H. Kosqahakumbura, C.V. Hettiarachchi and H.M.S.P. Madawala</i>	<b>ID18</b> -TOTAL HARDNESS LEVEL OF GROUNDWATER IN A COASTAL AQUIFER  <i>A.H.L.C.M. Athapaththu, D. Wickramasinghe and H. Manthirithilake</i>	<b>ID66</b> -CONSTRUCTING STRONGLY REGULAR GRAPHS FROM SKEW-HADAMARD MATRICES  <i>D.M.T.B. Dissanayake, M.D.M.C.P. Weerathna, D.G.S.D. Dehigama and A.C.G. Perera</i>	<b>ID116</b> -MAXIMIZING THE PRODUCTION TIME USING A MIXED INTEGER NON-LINEAR MATHEMATICAL MODEL  <i>A.A.D.R.G. Amarasinghe, D.M. Geekiyanage, S.W.S. Sasna, A.S. Nakandala, H.D.S.I. Madusanka, P.H.S.A. Gunawardane and T.H.K.R. De Silva</i>
12:15 PM - 12:30 PM	<b>ID08</b> -TOLERANCE OF Cr(VI) AND Cd(II) BY THREE BACTERIAL GENERA ISOLATED FROM A WATER BODY RECEIVING INDUSTRIAL EFFLUENT  <i>D.G.N.S. Senevirathne and I.V.N. Rathnayake</i>	<b>ID12</b> -HYDROGEOCHEMICAL CHARACTERISTICS OF GROUNDWATER IN WILGAMUWA REGION: AN AREA WITH HIGH INCIDENCE OF CHRONIC KIDNEY DISEASE WITH UNCERTAIN ETIOLOGY (CKDU)  <i>H.P. Amaratunga, S. Balasooriya, S. Diyabalanage and R. Chandrajith</i>	<b>ID132</b> -OPTIMAL ROUTING OF SOLID WASTE COLLECTION TRACTORS: A CASE STUDY AT KURUNEGALA MUNICIPAL COUNCIL  <i>R.D.S.S. Rambandara, R.A.R. Prabodanie, E.A.C.P. Karunaratne and R.D.D. Rajapaksha</i>	<b>ID165</b> -STOCHASTIC MODELING OF POPULATION INTERACTION WITH ALLEE EFFECTS AND STOCKING  <i>S.P.D.S.S.K Karunaratne, T.M.M. De Silva and R.A.C.S. Ranawaka</i>
12:30 PM - 12:45 PM	<b>ID154</b> -INFLUENCE OF <i>CANNA INDICA</i> ON BOD <sub>5</sub> AND COD IN DAIRY WASTEWATER THROUGH CONSTRUCTED HORIZONTAL SUB SURFACE FLOW WETLAND  <i>K.G.S. Madhushani and U.D.S.S. Ranasinghe</i>	<b>ID53</b> -DRINKING WATER QUALITY AND THE CKDU OCCURRENCE IN WILGAMUWA, SRI LANKA  <i>H.P.M. Hewavitharane, N. Nanayakkara, S. Anand, R. Chandrajith, P. Vlahos, S. Schensul, J. Schensul, L. Haider, K.T. Silva, R.M.M.B. Karunaratne and W.M.K.P. Wijerathne</i>	<b>ID134</b> -REDUCING 'UNIT COST PER MINUTE' IN A GARMENTS MANUFACTURING PROCESS USING GOAL PROGRAMMING TECHNIQUES  <i>D.S.O. De Silva, H.M.K.B. Wijerathna, A.Y. De Costa, K.M.E.N. Bandara, A.S.M.C.D. Abhayawickrame, W.A.L.S. Boyagoda and T.H.K.R. De Silva</i>	<b>ID167</b> -ESTIMATION OF THE AGE-STRUCTURED FEMALE POPULATION OF SRI LANKA USING LESLIE MATRIX  <i>G.K.S. Hansika, D.M.N.K. Dissanayaka and T.H.K.R. De Silva</i>
12:45 PM - 1:00 PM	<b>ID141</b> -TOURIST COMPOSITION AND THEIR OPINION ON ECOTOURISM POTENTIALS IN THE JAFFNA DISTRICT, SRI LANKA  <i>P. Rajkumar and Chaminda S. Wijesundara</i>	<b>ID77</b> -ASSESSING DRINKING WATER QUALITY AMONG CKDU PATIENTS WITH TUBULITIS: A CROSS SECTIONAL STUDY CONDUCTED IN SRI LANKA  <i>O.S.S. Premarathne, N. Nanayakkara, R. Chandrajith and H.P.M. Hewavitharane</i>	<b>ID160</b> -A MODEL TO DETECT MALFUNCTIONS OF AN AUTOMOBILE ENGINE AND TO RECOMMEND ACTIONS USING GAS EMISSION DATA  <i>W.M.L.N. Wanninayake, R.D. Nawarathna and S.R. Kodituwakku</i>	<b>ID174</b> -OPTIMAL LAND ALLOCATION FOR PADDY CULTIVATION IN SRI LANKA  <i>S.R.T. Kulasekara and D.M. Samarathunga</i>
1.00 PM - 2.00 PM	<b>LUNCH</b>			

11<sup>th</sup> October, 2019 (Friday) PGIS Research Congress 2019 - Technical Session (Morning)

LS1 (PGIS A.3.1)	LS2 (PGIS A.3.1)	LS3 (PGIS Auditorium)	PS2 (PGIS A.1.1)	SE1 (PGIS A.1.2)
<i>Prof. N.L.V.V. Karunaratne</i> <i>Prof. B.M.R. Bandara</i>	<i>Prof. R.G.S.C. Rajapakse</i> <i>Prof. Sudharma K Yatigammana</i>	<i>Prof. D.M.D. Yakandawala</i> <i>Prof. C.L. Abayasekera</i>	<i>Prof. M.A.K.L. Dissanayake</i> <i>Dr. P.W.S.K. Bandaranayake</i>	<i>Prof. H.M.S.P. Madawala</i> <i>Dr. W.D. Chandrasena</i>
<b>ID139</b> -LARVICIDAL ACTIVITY OF SYNTHESIZED ZINC OXIDE NANOPARTICLES AGAINST MOSQUITO VECTORS  <i>U.M.T.M. Gunathilaka, W.A.P.P. de Silva and R.M.G. Rajapakse</i>	<b>ID104</b> -ANALYSIS OF GENETIC DIVERSITY AND ANTAGONISTIC ACTIVITY OF DIVERSE <i>TRICHODERMA</i> ISOLATES IN SRI LANKA  <i>D.W.G.A.S. Alukumbura and M.P.C.S. Dhanapala</i>	<b>ID49</b> -A PRELIMINARY PHYLOGENY OF BALLINI JUMPING SPIDERS IN SRI LANKA (ARANEAE: SALTICIDAE)  <i>D.P. Bopearachchi, N. Kanesharatnam, N. Athukorala and S.P. Benjamin</i>	<b>ID84</b> -STUDY OF SCIENCE BEHIND BISSOKOTUWA IN ANCIENT LAKES IN SRI LANKA  <i>D.C. Maddumage and B.M.K. Pemasiri</i>	<b>ID161</b> -USE OF A PRACTICAL COMPONENT TO IMPROVE STUDENTS' BASIC SCIENCE PROCESS SKILLS  <i>G.G.H.M.H.S. Bandara and P.R.K.A. Vitharana</i>
<b>ID42</b> -PREVALENCE OF <i>HELICOBACTER PYLORI</i> IN THE ORAL CAVITIES OF A GROUP OF SRI LANKAN DENTAL STUDENTS WITH CLINICAL EXPOSURE  <i>M.A.D.K.S. Mallikaarachchi, J.A.M.S. Jayatilake and R.G.S.C. Rajapakse</i>	<b>ID20</b> -PROBIOTIC POTENTIAL OF BACTERIAL ENDOPHYTES ISOLATED FROM LEAVES OF <i>MURRAYA KOENIGII</i> L.  <i>A.C. Bandara, C.L. Abayasekera, A.M. Karunaratne and G.J. Panagoda</i>	<b>ID47</b> -TREE AND SHRUB DIVERSITY AND ABUNDANCE ALONG AN ELEVATION GRADIENT OF AMBOKKA MOUNTAIN RANGE, SRI LANKA  <i>M.P.T. Wijewickrama, H.M.S.B. Herath, D.S.A. Wijesundara and H.M.S.P. Madawala</i>	<b>ID121</b> -A NEW APPROACH TO DETERMINE THE DEAD TIME OF A GEIGER MÜLLER COUNTER  <i>M.F.M. Hijas and C.P. Jayalath</i>	
<b>ID103</b> -EVALUATION OF CONSERVATION STATUS OF GENUS <i>SALACIA</i> (CELASTRACEAE) IN SRI LANKA  <i>W.I.N.S. Senevirathne, P.L. Hettiarachchi, D.M.D. Yakandawala and A. Attanayake</i>	<b>ID58</b> -DNA ISOLATION AND AMPLIFICATION FROM DRIED BARK OF CINNAMON  <i>M.A.L.M. Peiris and W.R.P. Wijesinghe</i>			
<b>LUNCH</b>				

11<sup>th</sup> October, 2019 (Friday) PGIS Research Congress 2019 - Technical Session (Afternoon)

Time	EES1 (PGIS (NEW) C.2.4)	EES2 (PGIS (NEW) C.2.6)	ICTMS (PGIS B.3.1)	ICTMS (PGIS B.3.2)
<b>SESSION CHAIRS</b>	<b>Prof. Rohan Weerasooriya</b> <b>Prof. G.W.A. Rohan Fernando</b>		<b>Prof. Roshan D Yapa</b> <b>Dr. Kanthi Perera</b>	<b>Prof. S.R. Kodithuwakku</b> <b>Dr. Amalka J Piniidiyaarachchi</b>
2:00 PM - 2:15 PM	<b>ID99-USE OF POST CONSUMER POLY(ETHYLENE TEREPHTHALATE) BOTTLES AS A SOURCE OF METAL ORGANIC FRAMEWORK SYNTHESIS</b>  <u>D.S.D. Weerasinghe and W.S.S. Gunathilake</u>		<b>ID89-A NOVEL APPROACH OF VOICE RECOGNITION USING MFCC AND GMM, SPEECH RECOGNITION AND TEXT RECOGNITION TO ASSIST FOR EMAIL COMMUNICATION FOR VISUALLY IMPAIRED PEOPLE</b>  <u>K. Senthujā and S. Mahesan</u>	<b>ID173-IDENTIFICATION OF DRUG-RELATED PERSONAL EXPERIENCE SOCIAL MEDIA CONTENT USING A DEEP LEARNING MODEL</b>  <u>S.T. Jarashanth and R.D. Nawarathna</u>
2:15 PM - 2:30 PM	<b>ID176-MINERALOGICAL CHARACTERISTICS OF THE ROAD, HOUSEHOLD AND ROCK DUST IN SRI LANKA</b>  <u>R.K.D.S. Samaradiwakara, H.M.T.G.A. Pitawala, D.G.G.P. Karunaratne, M.M.M.G.P.G. Mantilaka and C.P. Galagoda</u>		<b>ID56-A MODEL TO PREDICT DEPRESSION OF UNDERGRADUATES IN FACULTY OF DENTAL SCIENCE, UNIVERSITY OF PERADENIYA</b>  <u>W.A.L.S. Boyagoda, M.K.D.C.K. Chandrasiri, H.M.K.B Wijerathna, L.S. Nawarathna and T.P. Gamedara</u>	<b>ID102-ARTIFICIAL NEURAL NETWORK BASED APPROACH FOR SPEECH EMOTIONS RECOGNITION OF SINHALA LANGUAGE</b>  <u>N. Dharmabandu and S.Thirukumaran</u>
2:30 PM - 2:45 PM	<b>ID131-WASTE PEANUT HULL AS A BIOSORBENT TO TREAT RICE MILL WASTEWATER: A COMPARISON WITH THE EFFICIENCY OF GRANULAR ACTIVATED CARBON</b>  <u>U.D.T.M. Uduwarage and S. Devaisy</u>		<b>ID61-PHONE USAGE PATTERN ANALYSIS TOWARDS SERVICE ENHANCEMENT.</b>  <u>Y. Jerom and T. Kartheeswaran</u>	<b>ID105-IMPACT OF CROSSOVER OPERATORS ON THE GENETIC ALGORITHM TO SOLVE CAPACITATED VEHICLE ROUTING PROBLEM</b>  <u>M.K.D.D. Sandaruwan, D.M. Samarathunga and W.B. Daundasekara</u>
2:45 PM - 3:00 PM	<b>ID130-ABUNDANCE AND GRAIN MORPHOLOGY OF HEAVY MINERAL ACCUMULATIONS IN SOUTH-WESTERN COAST OF SRI LANKA</b>  <u>A.M.G.K. Wijeratne and S.P.K. Malaviarachchi</u>		<b>ID62-ANALYSIS OF MEDICAL SENSOR DATA TOWARDS HEALTH DISORDER IDENTIFICATION</b>  <u>S. Meruja and E.Y.A. Charles</u>	<b>ID122-A NOVEL APPROACH IN SOLVING FUZZY TRANSPORTATION PROBLEMS USING MODIFIED ANT COLONY ALGORITHM</b>  <u>E.M.U.S.B. Ekanayake and W. B. Daundasekara</u>



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LS1 (PGIS A.3.1)	LS2 (PGIS A.3.1)	PS1 (PGIS Auditorium)	PS2 (PGIS A.1.1)	SE1 (PGIS A.1.2)
<i>Prof. Rupika S Rajakaruna Prof. D.N. Karunaratne Prof. W.A.M. Daundasekera</i>	<i>Prof. O.A. Illeperuma Dr. W.M.A.T. Bandara Prof. M.Y.U. Ganehenage</i>	<i>Prof. R.M.G. Rajapakse Prof. R.P. Gunawardane Dr. V. A. Seneviratne</i>	<i>Prof. B.S.B. Karunaratne Prof. L.R.A.K. Bandara</i>	<i>Prof. P.R.K.A. Vitharana Prof. C.V. Hettiarachchi</i>
<b>ID37</b> -PHYSIOLOGICAL AND GENETIC CHARACTERIZATION OF RHIZOBIAL POPULATIONS INHABITING <i>GLIRICIDIA SEPIUMIN</i> SELECTED LOCATIONS OF POLONNARUWA DISTRICT, SRI LANKA  <i>S.M.N.S. Samarakoon and R.G.S.C. Rajapakse</i>	<b>ID152</b> -DEVELOPMENT AND CHARACTERIZATION OF POLYSACCHARIDE NANOPARTICLES FOR TARGETED DRUG DELIVERY  <i>M.F.F. Reesha, D.N. Karunaratne, A.D.L.C. Perera, V. Karunaratne and J.M.S.J. Menike</i>	<b>ID23</b> -ALIEN INVASIVE PLANT <i>PROSOPIS JULIFLORA</i> : ALKALOID-MONTMORILLONITE NANOCOMPOSITES AND ANTIOXIDANT AND CYTOTOXIC PROPERTIES  <i>N.D.J.L. Ananda, N.C. Bandara, D.S.A. Wijesundara and B.M.R. Bandara</i>	<b>ID169</b> -DEVELOPMENT OF ELECTROSPUN PVdF-HFP/PEO BLEND POLYMER MEMBRANE ELECTROLYTE FOR DYE SENSITIZED SOLAR CELLS  <i>J.M.K.W. Kumari, M.A.K.L. Dissanayake, G.K.R. Senadeera, C.A. Thotawatthage</i>	<b>ID125</b> -GUIDING THREE SELECTED STUDENTS OF GRADE SIX TO SOLVE STATEMENT BASED MATHEMATICAL PROBLEMS  <i>H.D.K.D. Hathurusinghe and W.D. Chandrasena</i>
<b>ID156</b> -IN VITRO PROPAGATION OF <i>HYLOCEREUS UNDATUS</i> (DRAGON FRUIT)  <i>M.A.N.F. Zumaira, P.L.T. Nirath and P.L. Hettiarachchi</i>	<b>ID40</b> -ASSESSMENT OF BOD, COD AND METAL CONTENT IN WASTEWATER IN DAIRY AND MEAT PROCESSING INDUSTRY IN SRI LANKA  <i>R.D.J. Sanjeevani, R.A.U.J. Marapana, A. Cooray</i>	<b>ID24</b> -MEDICINAL PLANT <i>HOLARRHENA ANTIDYSENTERICA</i> : ANTIOXIDANT ACTIVITY AND ALAKALOID-MONTMORILLONITE NANOCOMPOSITES  <i>G.D.N. Gunawardana, N.C. Bandara and B.M.R. Bandara</i>	<b>ID70</b> -LOW COST HYDROGEN PRODUCTION USING SOLAR ENERGY  <i>E.M.A.S. Edirisooriya and P.W.S.K. Bandaranayake</i>	<b>ID128</b> -APPLICATION OF A COMPUTER ASSISTED LEARNING MATERIAL IN A SELECTED TOPIC OF G.C.E. ADVANCED LEVEL PHYSICS: A CASE STUDY IN GIRIULLA ZONE  <i>J.D.U.K. Jayasinghe and W.D. Chandrasena</i>
<b>ID142</b> -ISSR PCR BASED GENETIC DIVERSITY OF <i>STAPHYLOCOCCUS AUREUS</i> AND <i>ESCHERICHIA COLI</i> FROM BOVINE SUBCLINICAL MASTITIS MILK IN SRI LANKA  <i>P.P. Jayasekara, I.S.B. Athapaththu, W.M.R.R. Wijethunga, G.A. Gunawardana, G.A.D. Chandana and R. Wimalagunaratne</i>	<b>ID139</b> -LARVICIDAL ACTIVITY OF SYNTHESIZED ZINC OXIDE NANOPARTICLES AGAINST MOSQUITO VECTORS  <i>U.M.T.M. Gunathilaka, W.A.P.P. de Silva and R.M.G. Rajapakse</i>	<b>ID45</b> -ALKALOID-MONTMORILLONITE NANOCOMPOSITES OF <i>ZANTHOXYLUM TETRASPERMUM</i> : ANTIOXIDANT AND CYTOTOXIC PROPERTIES OF EXTRACTS AND COMPOSITES/RELEASED ALKALOIDS  <i>S. Thilakarathne, N.C. Bandara, C.L. Abayasekara and B.M.R. Bandara</i>	<b>ID16</b> -SURFACE PLASMON RESONANCE EFFECT OF Au NANOPARTICLES ON THE EFFICIENCY OF CdS QUANTUM DOT-SENSITIZED SOLAR CELLS  <i>T. Jaseetharan, M.A.K.L. Dissanayake and G.K.R. Senadeera</i>	<b>ID177</b> -LEARNING SCIENCE IN BILINGUAL MODE: TRENDS AND ISSUES IN MONARAGALA DISTRICT  <i>G.R.S. Prabhath Kumara and T.M.S.S.K. Yatigammana Ekanayake</i>
<b>ID54</b> -EVALUATION OF NUTRITIONAL QUALITY OF <i>ULVA FASCIATA</i> AND <i>GRACILARIA EDULIS</i> SEAWEEDS COLLECTED FROM SRI LANKA  <i>M.M Jayakody, M.P.G Vanniarachchy and I. Wijesekara</i>	<b>ID59</b> -DETERMINATION OF CHANGES OCCUR IN CHEMICAL PROPERTIES OF PALM OIL DURING DEEP FAT FRYING WITH INCORPORATION OF DIFFERENT DIETARY ANTIOXIDANT SOURCES  <i>U.S. Wijewardhana, U.G.S.A. Gunathilaka and S.B. Navaratne</i>	<b>ID60</b> -NANOHYBRID BASED ZERO-VALENT COPPER NANOPARTICLES IMPREGNATED ACTIVATED CARBON FOR ANTIMICROBIAL APPLICATIONS  <i>C.B. Wijetunqa, R.G.S.C. Rajapakse, M. N. S. Kottegoda, Gayan Priyadarshane and A.D. L.C. Perera</i>	<b>ID145</b> -ACTIVATED CARBON BASED COMPOSITE ELECTRODES SUITABLE FOR SUPERCAPACITORS  <i>P.W.S.K. Bandaranayake and Manoj Rabindran</i>	<b>ID147</b> -EFFECTIVENESS OF TEACHING ALIPHATIC HYDROCARBONS IN G.C.E. (A/L) CHEMISTRY THROUGH COMPUTER ASSISTED LEARNING TOOLS  <i>A.D.N. Karunadasa and R.J.K.U. Ranatunga</i>

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Time	EES1 (PGIS (NEW) C.2.4)	EES2 (PGIS (NEW) C.2.6)	ICTMS (PGIS B.3.1)	ICTMS (PGIS B.3.2)
<b>SESSION CHAIRS</b>	<i>Prof. Rohan Weerasooriya Prof. G.W.A. Rohan Fernando</i>		<i>Dr. Kanthi Perera Dr. Ruwan D. Nawarathna Dr. S.P. Abeyesundara</i>	<i>Prof. S.R. Kodithuwakku Dr. Amalka J Pinidiyaarachchi</i>
3:00 PM - 3:15 PM	<b>ID71-SITE SUITABILITY ANALYSIS FOR SOLID WASTE DISPOSAL IN VAVUNIYA DISTRICT, SRI LANKA</b>  <i>H. Jayaweera, S. Devaisy, S. Wijeyamohan and A. Nanthakumaran</i>		<b>ID33-MEAN SQUARE ERROR COMPARISON OF ALMOST UNBIASED RIDGE ESTIMATOR AND MODIFIED ALMOST UNBIASED RIDGE ESTIMATOR IN LOGISTIC REGRESSION</b>  <i>N.Varathan and P.Wijekoon</i>	<b>ID117-SPLITTING ALGORITHM FOR ATTAINING THE NEAR OPTIMAL UPPER BOUND ON THE MINIMAL TOTAL COST TO THE SMALL SIZED TPVDS</b>  <i>Z.A.M.S. Juman, M.I.M. Waseem and N. Hamna</i>
3:15 PM - 3:30 PM	<b>ID87-SITE SUITABILITY EVALUATION OF BEACHES FOR ECOTOURISM DEVELOPMENT IN THE JAFFNA DISTRICT, SRI LANKA</b>  <i>Packiyathan Rajkumar and Chaminda S. Wijesundara</i>		<b>ID73-RESTRICTED LEAST ANGLE REGRESSION ALGORITHM FOR LASSO</b>  <i>M. Kayanan and P. Wijekoon</i>	<b>ID172- IMPORTANCE OF INTEGRATING APPEARANCE AND MOTION FEATURES TO CLASSIFY DYNAMIC PATTERNS USING DEEP LEARNING</b>  <i>S.P. KasthuriArachchi, W.G.C.W. Kumara, Timothy K. Shih</i>
3:30 PM - 3:45 PM	<b>ID114-PALEO-CLIMATE AND PALEO-ENVIRONMENT VARIABILITY OF SOUTHEASTERN SRI LANKA AS INFERRED BY A PALEO-PROXY RECORD FROM POTTUVIL LAGOON</b>  <i>Kusala Premaratne, Si-Liang Li, N.P. Ratnayake and R. Chandrajith</i>		<b>ID98-A BAYESIAN LINEAR REGRESSION MODEL FOR METHOD COMPARISON DATAWITH HOMOSCEDASTIC MEASUREMENTS</b>  <i>S.M.M. Lakmali, L.S. Nawarathna and P. Wijekoon</i>	<b>ID30-k-FACTORS OF k-FACTORIZATION OF <math>K_{(2,2,2,\dots,2)}</math> WITH n-PARTITE SETS FOR <math>k=1,2</math> AND <math>n \geq 2</math></b>  <i>M.D.M.C.P. Weerathna, D.M.T.B. Dissanayake, D.G.S.D. Dehigama, K.D.E. Dhananjaya and A.A.I. Perera</i>
3:45 PM - 4:00 PM			<b>ID144-A NEW FIVE PARAMETER GENERALIZED LINDLEY DISTRIBUTION</b>  <i>R. Tharshan and P. Wijekoon</i>	<b>ID36-PRIME LABELING OF ROACH GRAPH</b>  <i>D.G.S.D. Dehigama, D.M.T.B. Dissanayake, M.D.M.C.P. Weerathna, K.D.E. Dhananjaya and A.A.I. Perera</i>
4:00 PM - 5:00 PM	<b>POSTER SESSION (PGIS NEW C.2.5) &amp; TEA</b>			

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LS1 (PGIS A.3.1)	LS2 (PGIS A.3.1)	PS1 (PGIS Auditorium)	PS2 (PGIS A.1.1)	SE1 (PGIS A.1.2)
<p><i>Prof. Rupika S Rajakaruna</i> <i>Prof. D.N. Karunaratne</i> <i>Prof. W.A.M. Daundasekera</i></p>	<p><i>Prof. O.A. Illeperuma</i> <i>Dr. W.M.A.T. Bandara</i> <i>Prof. M.Y.U. Ganehenage</i></p>	<p><i>Prof. R.M.G. Rajapakse</i> <i>Prof. R.P. Gunawardane</i> <i>Dr. V. A. Seneviratne</i></p>	<p><i>Prof. B.S.B. Karunaratne</i> <i>Prof. L.R.A.K. Bandara</i></p>	<p><i>Prof. P.R.K.A. Vitharana</i> <i>Prof. C.V. Hettiarachchi</i></p>
<p><b>ID19</b>-ANTIBACTERIAL ACTIVITY OF <i>ARISTEA ECKLONII</i> AND <i>PROSOPIS JULIFLORA</i> AGAINST MULTIDRUG-RESISTANT ACINETOBACTER SPP AND METHICILLIN-RESISTANT <i>STAPHYLOCOCCUS AUREUS</i></p> <p><i>K. Dilakshana, N.C. Bandara, A. Ekanayake, L.V.C. Liyanapathirana, D.S.A. Wijesundara and B.M.R. Bandara</i></p>	<p><b>ID149</b>-ISOLATION AND CHARACTERIZATION OF DIESEL-UTILIZING BACTERIA FROM PETROLEUM CONTAMINATED SITES</p> <p><i>K.M.A Karunathilaka and P. Samaraweera</i></p>	<p><b>ID85</b>-COMPARISON OF THE CATALYTIC ACTIVITY OF COBALT AND NICKEL BASED POLYOXOMETALATES FOR WATER REDUCTION</p> <p><i>M.P.G.D.L. Premarathna and M.Y.U. Ganehenage</i></p>	<p><b>ID162</b>-PRESSURE DEPENDENCE OF ELECTRICAL CONDUCTIVITY OF CARBON POLYMER COMPOSITES</p> <p><i>P.W.S.K. Bandaranayake and S.M.T.K. Labutale</i></p>	
<p><b>ID21</b>-INSECTICIDAL ACTIVITY OF SEVEN INVASIVE ALIEN PLANTS AGAINST APHIDS (<i>MYZUS PERSICAE</i>)</p> <p><i>V.G.A.U. Samarasinghe, K.M.D.W. Prabath Nishantha, N.C. Bandara, J.W. Damunupola, D.S.A. Wijesundara, and B.M.R. Bandara</i></p>	<p><b>ID168</b>-EFFECT OF FLUORIDE RICH WATER ON KIDNEY AND LIVER AND DISTILLED WATER FOR DAMAGE MITIGATION</p> <p><i>W.T.R. Perera, J.G.S. Ranasinghe, N. Alles and R. Waduge</i></p>	<p><b>ID27</b>-REMOVAL OF EXCESS ZINC AND ALUMINIUM PRESENT IN BIOLOGICAL TREATMENT PLANT SLUDGE OF WASTEWATER TREATMENT PLANTS OF NATURAL RUBBER GLOVE DIPPING INDUSTRIES USING CHELATING AGENTS AT DIFFERENT pH VALES</p> <p><i>A.S.S. Mendis, S. Walpolage and R.M.G. Rajapakse</i></p>	<p><b>ID101</b>-THE EFFECT OF CORE ARCHITECTURE ON THE LOADING CAPACITY OF DENDRIMERS</p> <p><i>K.M.W.K. Kulathunga, N.P.N.R. Kumarachchi and R.J.K.U. Ranatunga</i></p>	
<p><b>ID22</b>-APHIDICIDAL, ANTIOXIDANT AND CYTOTOXIC PROPERTIES OF FOUR INVASIVE ALIEN PLANTS</p> <p><i>J.H.P.K. Jayamaha, M.P.C.K. Marasinghe, N.C. Bandara, K.M.D.W. Prabath Nishantha, D.S.A. Wijesundara and B.M.R. Bandara</i></p>	<p><b>ID13</b>-ANTIBACTERIAL ACTIVITY OF COTTON FABRIC MODIFIED WITH COPPER-DOPED ZnO/CHITOSAN HYBRID NANOCOMPOSITE AGAINST SELECTED MEDICALLY IMPORTANT BACTERIA</p> <p><i>A.M.A.E. Dilrukshi, N. M. Adasooriya and A. C. A. Jayasundera</i></p>	<p><b>ID127</b>-ELECTROSPUN POLY (VINYL ALCOHOL) NANOFIBER MATS LOADED WITH <i>TERMINALIA CHEBULA</i> FRUIT EXTRACT – PREPARATION, CHARACTERIZATION AND ANTIMICROBIAL ACTIVITY</p> <p><i>J. Janeni, N.M. Adasooriya, S. Perera, R.G.S.C. Rajapakse, P.V.T. Weerasinghe, U.G.N.S. Udapitiya and M.A.D.K.S. Mallikaarachchi</i></p>		
<p><b>ID148</b>-COMPARISON OF SUSPECTED AND LABORATORY CONFIRMED CASES OF BOVINE AND CAPRINE BRUCELLOSIS AND THE DISEASE DISTRIBUTION PATTERN IN SRI LANKA</p> <p><i>G.I.S. Perera, P.S. Fernando, S.K. Yatigammana, K.M.S.G. Weerasooriya, M.A.R. Priyantha, S.M.T.S. Manchanayake and M.I. Wijemuni</i></p>				
<p><b>POSTER SESSION (PGIS NEW C.2.5) &amp; TEA</b></p>				

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Earth and Environmental Sciences	
<i>Prof Sanjeewa P.K. Malaviarachchi</i>	
ID04	SOLAR ENERGY FORECASTING WITH MACHINE LEARNING APPROACHES <i>M.D.S. Hossain</i>
ID26	TESTOSTERONE LEVELS IN RELATION TO ANTLER GROWTH IN MALE SAMBAR DEER (RUSA UNICOLOR UNICOLOR) IN HORTON PLAINS NATIONAL PARK, SRI LANKA <i>D.S. Weerasekera, A.N.L. Rathnasekara, H.M.S.S. Herath, D.K.K. Nanayakkara, S.J. Perera and K.B. Ranawana</i>
ID143	DEGRADATION OF SUMIFIX REACTIVE RED EXF AND BLUE EXF DYES USING A COBALT TRIMESIC COORDINATION POLYMER <i>H.M.C.B. Wathulanda, H.A.I.R. Perera and C.V. Hettiarachchi</i>

ICT, Mathematics and Statistics	
<i>Dr. Ruwan D. Nawarathna and Dr. Hakim A. Usoof</i>	
ID29	AN ATTENTION BASED CONVOLUTIONAL NEURAL NETWORK FOR LANDMARK RECOGNITION IN ASIAN REGION <i>S. Perera and A. Ramanan</i>
ID35	ANALYTICAL APPROACH TO THE CAMASSA HOLM-NONLINEAR SCHRODINGER EQUATION USING LAPLACE DECOMPOSITION METHOD <i>R. Thushanthani, K. Himalini and T. Mathanaranjan</i>
ID46	ACTION RECOGNITION IN VIDEOS USING CONVOLUTIONAL AND SPATIAL-TEMPORAL INTEREST POINT FEATURES <i>T. Tharmini and A. Ramanan</i>
ID55	A LOSSY GRAYSCALE IMAGE COMPRESSION BASED ON DELAUNAY TRIANGULATION <i>T.M.V.D. Gunasekara and A. Ramanan</i>
ID107	DEEP LEARNING APPROACH TO DETECT PLAGIARISM IN SINHALA TEXT <i>K.A.T. Chathurani and E.Y.A. Charles</i>
D115	I3D FACE RECONSTRUCTION USING SINGLE IMAGE <i>A.M.D. Bandara, R. Siyambalapitiya</i>
ID140	PARALLELIZING ACTIVE CONTOUR MODEL FOR OBJECT SEGMENTATION <i>B. Saranya and S. Suthakar</i>
ID157	BATSMEN PERFORMANCE ANALYSIS IN THE GAME OF CRICKET USING ARTIFICIAL NEURAL NETWORKS <i>D.T. Jayasekara and R. Siyambalapitiya</i>

Life Science	
<i>Prof. B.M.R. Bandara and Dr. J.W. Damunupola</i>	
ID05	EVALUATION OF MAIZE HYBRIDS TOWARDS A SUPERIOR HYBRID OPTION <i>H.M. Weerasooriya, W.N. Wickremasinghe and W.M. Ranjala Kumari</i>
ID17	MORPHOLOGICAL AND MOLECULAR CHARACTERIZATION OF PIPER LONGUM L. POPULATIONS FOUND IN DIFFERENT DISTRICTS OF SRI LANKA <i>H. Sukumaran, W.W.P. Rodrigo and R.M. Dharmadasa</i>

ID25	OPTIMIZATION OF A PROTOCOL FOR THE EXTRACTION OF DNA FROM HUMAN BLOOD FOR THE ISOLATION AND EXPRESSION OF THE HUMAN GENE CTSK, IN BACTERIAL EXPRESSION SYSTEM, <i>ESCHERICHIA COLI</i> <i>H. Madubashetha, Y. Dissanayake, L. Piyasiri, S. Wickramasinghe, N. De Silva, L. Warnakula and R. Cooray</i>
ID32	ISOLATION OF GENE CANDIDATES FOR SEMI-DWARFISM FROM PROSO MILLET ( <i>PANICUM MILIACEUM</i> ) <i>P.G.S.M. Chandresene and H.A.C.K. Aryarathne</i>
ID38	OPTIMIZATION OF DNA EXTRACTION AND PCR PROTOCOLS FOR THE TROPICAL FRUIT TREE SPECIES, <i>ELAEOCARPUS SERRATUS</i> (WERALU) AND <i>ELAEOCARPUS GANITRUS</i> (NIL WERALU) <i>W.G.A.S. Sumanarathne and S.D.S.S. Sooriyapathirana</i>
ID88	REAL TIME PCR-BASED METHOD FOR DETECTION OF VIABLE STAPHYLOCOCCUS AUREUS IN DAIRY PRODUCTS IN SRI LANKA <i>V.K. Siriwardena, T.N. Kapuruge, A.M.M.H. Athapaththu and W.A.J.S. Perera</i>
ID92	REAL TIME PCR-BASED METHOD FOR DETECTION OF VIABLE <i>SALMONELLA</i> SPP. IN MEAT PRODUCTS IN SRI LANKA <i>T. D. Senarathna, T.N. Kapuruge, A.M.M.H. Athapaththu and W.A.J.S. Perera</i>
ID95	VALIDATION OF A REAL TIME PCR (RT-PCR) BASED METHOD FOR IDENTIFICATION OF GENETICALLY MODIFIED (GM) BAKED BAKERY PRODUCTS <i>K.S. Sayakkara, A.M.M.H. Athapaththu and W.T.G.S.L. Withana</i>
ID97	TOWARDS ECO-FRIENDLY AGRICULTURE ON MARS: A PRELIMINARY STUDY WITH LETTUCE <i>C. Prematunga, N. Wijekoon, G. Seneviratne and U. Jayalal</i>
ID119	BIOFILM BIOFERTILIZER MEDIATED RESTORATION OF NITROGEN FIXERS IN THE SOIL-PLANT SYSTEM IN PADDY CULTIVATION <i>S.W. Meepegamage, G. Seneviratne and R.G.S.C. Rajapakse</i>
ID126	DOES BIOFILM BIOFERTILIZER WORK IN LARGE SCALE RICE CULTIVATION UNDER FARMERS' FIELD CONDITIONS? <i>A.T.D. Rathnathilaka and G. Seneviratne</i>
ID129	BIOFILM BIOFERTILIZER: A PROMISING ECO-FRIENDLY ALTERNATIVE TO FUTURISTIC MARTIAN AGRICULTURE <i>S. Gunarathne and G. Seneviratne</i>
ID133	OPPORTUNISTIC CANNIBALISM BY TADPOLES OF COMMON HOUR-GLASS TREE FROG, <i>POLYPEDATES CRUCIGER</i> <i>W.G.D. Chathuranga, Kalpa Kariyawasam, R.S. Rajakaruna and W.A.P.P. de Silva</i>
ID151	PRELIMINARY PHARMACOGNOSTIC EVALUATION AND <i>IN-VITRO</i> ANTI-CANDIDAL ACTIVITY OF YOUNG LEAVES OF COMMON BETEL TYPES IN SRI LANKA <i>W.G.M. Lakmal, S.N.P. Athukorala, G. J. Panagoda, C. L. Abayasekara, J.A.M.S. Jayathilaka, P.S. Rajapaksha and R.D. Jayasinghe</i>

### Physical Science

**Prof. R.P. Gunawardane**

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ID112	REMOVAL OF Cd <sup>2+</sup> FROM DRINKING WATER USING MgO NANO PARTICLES AND DESIGNING A WATER FILTER <i>B.A.A.R. Balasooriya, R.M.G. Rajapaksa and A.S.S. Mendis</i>

### Science Education

**Dr. W.D. Chandrasena**

ID163	TEACHERS' VIEWS ON TEACHING-LEARNING PROCESS OF G.C.E. (A/L) BIOSYSTEMS TECHNOLOGY IN KANDY DISTRICT <i>J.M.C.N. Jayasundara and P.R.K.A. Vitharana</i>
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