



# PROGRAMME GUIDE

## PGIS RESEARCH CONGRESS - 2018

9<sup>th</sup> and 10<sup>th</sup> November 2018

Earth and Environmental Sciences

ICT, Mathematics and Statistics

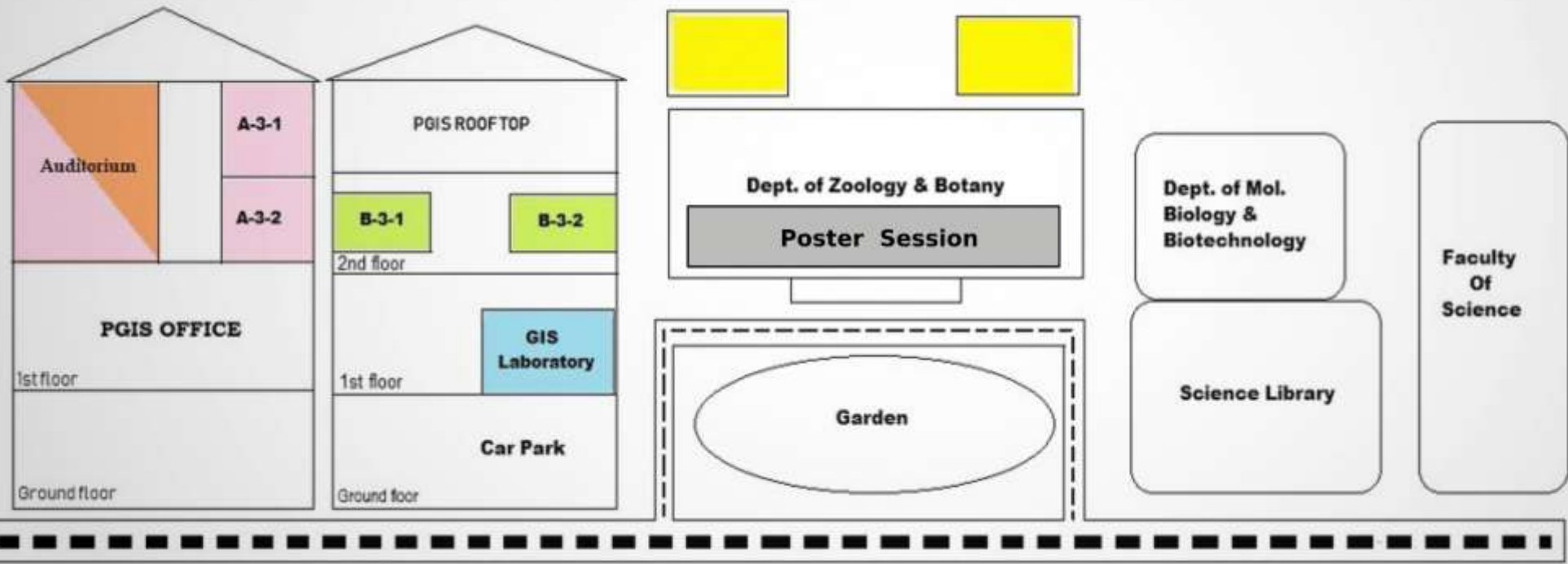
Life Sciences

Physical Sciences

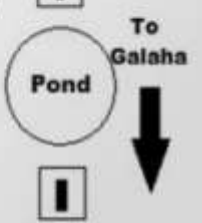
Science Education



# RESCON 2018 SESSION VENUE MAP



Old Galaha Road



- Science Education
- Earth & Environmental Science
- Life Sciences
- Physical Sciences
- ICT, Mathematics & Statistics

## PGIS Research Congress 2018 - Technical Session

Time	EES1	EES2	SE / EES3	ICTMS	LS1	LS2	PS1	PS2
	PGIS A.3.1	PGIS A.3.2	PGIS Auditorium	PGIS GIS Lab	Zoology old	Botany Old	PGIS B.3.1	PGIS B.3.2
7:30 AM - 8:30 AM	<b>REGISTRATION (PGIS CAR PARK)</b>							
8:30 AM - 8:50 AM	ID-375630	ID-764499	ID-498209	ID-542264	ID-688078	ID-923340	ID-864040	RH8
8:50 AM - 9:10 AM	ID-066771	ID-768573	ID-976749	ID-859156	ID-867365	RH6	ID-550685	ID-527702
9:10 AM - 9:30 AM	ID-430631	ID-889697	ID-652548	ID-654404	ID-868644	ID-597155	ID-227956	ID-847198
9:30 AM - 9:50 AM	ID-783470	ID-211251	ID-889423	ID-592631	ID-417966	RH7	ID-551583	ID-591870
9:50 AM - 10:10 AM	ID-207301			ID-543035	ID-827231	ID-147391	ID-734204	ID-584008
10:15 AM - 10:45 AM	<b>INVITED TALK BY PROF. N.S. KUMAR (PGIS AUDITORIUM)</b>							
10:45 AM - 11:15 AM	<b>POSTER (BOTANY-ZOOLOGY LOBBY) &amp; TEA</b>							
11:15 AM - 11:35 AM	ID-423097	ID-485272	ID-806907	ID-235273	ID-103566	ID-728651	ID-240789	RH9
11:35 AM - 11:55 AM	ID-601591	ID-321435	ID-259347	ID-701389	ID-288418	ID-073931	ID-795946	ID-112590
11:55 AM - 12:15 PM	ID-957681	ID-076465	ID-175521	ID-578467	RH4	ID-239147	ID-164399	ID-452330
12:15 PM - 12:35 PM	ID-444703	ID-456986	ID-118765	ID-261736	ID-092349	ID-139066	ID-222201	ID-557994
12:35 PM - 12:55 PM	ID-408291	ID-073935	ID-961283		ID-278313	ID-851631	ID-816135	ID-083755
12:55 PM - 1:15 PM	ID-649718	ID-993691	ID-332863		ID-792249	ID-149048		
1:15 PM - 2:15 PM	<b>POSTER (BOTANY-ZOOLOGY LOBBY) &amp; LUNCH</b>							
2:15 PM - 2:35 PM	ID-932436	ID-755893	RH2	RH3	RH5		ID-196591	RH10
2:35 PM - 2:55 PM	ID-933351	ID-907784	ID-076823	ID-866237	ID-588225		ID-163402	ID-372729
2:55 PM - 3:15 PM	RH1	ID-098450	ID-468680	ID-278385	ID-193862		ID-734296	ID-538711
3:15 PM - 3:35 PM	ID-594667	ID-618074	ID-971781	ID-247313			ID-483439	
3:35 PM - 3:55 PM	ID-530892			ID-656493				



10<sup>th</sup> November, 2018 (Saturday) PGIS Research Congress 2018 - Technical Session (Morning)

Time	EES1 (PGIS A.3.1)	EES2 (PGIS A.3.2)	SE / EES3 (PGIS Auditorium)	ICTMS (PGIS GIS Lab)
7:30 AM - 8:30 AM	<b>REGISTRATION (PGIS CAR PARK)</b>			
8:30 AM - 8:50 AM	<p><b>375630.</b> RAPID SCREENING OF SOURCE WATERS BY INTEGRATED WATER QUALITY INDEX <i>AN Erangani, P Rukshagini, P Wijekoon, SK Weragoda, and R Weerasooriya</i></p>	<p><b>764499.</b> EFFECT OF COMPOST AMENDMENTS ON GROWTH AND PHYTOREMEDIATION POTENTIAL OF <i>IMPATIENS BALSAMINA</i> L. IN SOIL CONTAMINATED WITH USED LUBRICATING OIL <i>SSW Gamage, K Masakorala, MT Brown, and SMK Widana Gamage</i></p>	<p><b>498209.</b> MOTIVATION OF UNDERGRADUATES THROUGH POSITIVE PSYCHOLOGY AND SELF-DETERMINATION THEORY <i>WD Chandrasena, ACA Jayasundera and AMRS Bandara</i></p>	<p><b>542264.</b> MEAN SQUARE ERROR COMPARISON BETWEEN RIDGE AND LASSO ESTIMATORS IN THE MISSPECIFIED LINEAR REGRESSION MODEL <i>M Kayanan and P Wijekoon</i></p>
8:50 AM - 9:10 AM	<p><b>066771.</b> APPLICATION OF TANK MODEL AND QUANTITATIVE ASSESSMENT TO PREDICT RAINFALL INDUCED DISPLACEMENT ON LANDSLIDE: A CASE STUDY ON NAWALAPITIYA LANDSLIDE, SRI LANKA <i>AGRP Weerasinghe, KN Bandara, and J Gunatilake</i></p>	<p><b>768573.</b> COMPARISON OF SOIL ORGANIC CARBON FRACTIONS OF VEGETABLE AND TEA GROWN SOILS IN THE UPCOUNTRY OF SRI LANKA <i>DDAE Hemamali, UWA Vitharana, CP Attanayake, WS Dandeniya, and BLWK Balasooriya</i></p>	<p><b>976749.</b> A REVIEW OF RESEARCH ON PROJECT BASED LEARNING <i>PMJR Piyatissa and WD Chandrasena</i></p>	<p><b>859156.</b> STOCHASTIC MODELING OF LOTKA-VOLTERRA COMPETITION MODEL WITH ALLEE EFFECTS <i>TMM De Silva and SPDSSK Karunarathna</i></p>
9:10 AM - 9:30 AM	<p><b>430631.</b> HYDROGEOLOGICAL AND GEOCHEMICAL INVESTIGATION FOR THE WATER INGRESS IN HEAD RACE TUNNEL OF UMA OYA MULTI PURPOSE DEVELOPMENT PROJECT, SRI LANKA <i>JLGS Jayawardena and J Gunatilake</i></p>	<p><b>889697.</b> FABRICATION OF NEW FLOW CELL FOR SURFACE TITRATIONS OF HETEROGENEOUS SOLID SUBSTRATES <i>P Rukshagini, BAYB Jayawardhana, IPL Jayarathne, SK Weragoda, and R Weerasooriya</i></p>	<p><b>652548.</b> STUDENT PROBLEMS IN PERFORMING CHEMICAL CALCULATIONS ON THE CONCEPT OF MOLE AT G.C.E. (A/L) <i>WMKR Seneviratne and WD Chandrasena</i></p>	<p><b>654404.</b> REGULAR EXPRESSIONS BASED APPROACH TO DETECT SQL INJECTIONS <i>R Senthana, EYA Charles, and SR Kodituwakku</i></p>
9:30 AM - 9:50 AM	<p><b>783470.</b> COLIFORM QUALITY ASSESSMENT OF GROUND WATER IN JAFFNA, SRI LANKA <i>S Sivathasan, S. Saravanan and T. Barathithasan</i></p>	<p><b>211251.</b> DETERMINATION OF DESCRIPTOR VALUES FOR SAFROLE USING POLY(DIMETHYLPHENYLSILOXANE) STATIONARY PHASE AND A LIQUID-LIQUID PARTITION SYSTEM <i>AWTD Ambagaspitiya, CF Poole, and JATC Ariyasena</i></p>	<p><b>889423.</b> AN INVESTIGATION OF STUDENTS' SELFCONCEPTS AND MOTIVATION ON DIFFERENT TEACHING METHODS IN G.C.E. (O/L) PHYSICS <i>SAB Maheshinee, WD Chandrasena and JP Liyanage</i></p>	<p><b>592631.</b> A MODEL TO CLASSIFY SOCIAL MEDIA TEXTS FOR PHARMACOVIGILANCE <i>ST Jarashanth and RD Nawarathna</i></p>
9:50 AM - 10:10 AM	<p><b>207301.</b> APPLICATION OF WATER QUALITY INDEX FOR GROUNDWATER QUALITY ASSESSMENT IN CKDU AREA IN SRI LANKA <i>WAC Udeshani, HMKP Dissanayake, GEM Wimalasiri, SV Gunatilake, and SK Gunatilake</i></p>			<p><b>543035.</b> IMPLEMENTATION OF A WIRELESS SENSOR NETWORK ROUTING PROTOCOL ON NS-3 <i>BGMP Banneggedara, R Siyambalapatiya, and HROE Dayaratna</i></p>
10:15 AM - 10:45 AM	<b>INVITED TALK BY PROF. N.S. KUMAR (PGIS AUDITORIUM)</b>			
10:45 AM - 11:15 AM	<b>TEA &amp; POSTER</b>			

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LS1 (Zoology old)	LS2 (Botany Old)	PS1 (PGIS B.3.1)	PS2 (PGIS B.3.2)
<b>POSTER (BOTANY-ZOOLOGY LOBBY) &amp; TEA</b>			
<p><b>688078.</b> PEOPLE'S KNOWLEDGE, ATTITUDE AND PRACTICES TOWARDS DENGUE INFECTION AND PREVENTION IN A SEMI URBAN AREA, SRI LANKA <i>WLS Perera, PK Perera, AM Ambagahawita, C Wijesundara, and KO Bandaranayaka</i></p>	<p><b>923340.</b> DIVERSITY AND CONSERVATION OF LESS KNOWN LEAFY LIVERWORTS OF SRI LANKA <i>BMSK Bandaranayake and SCK Rubasinghe</i></p>	<p><b>864040.</b> IMPROVING THE PERFORMANCE OF CdS QUANTUM DOT-SENSITIZED SOLAR CELLS BY TiO<sub>2</sub> NANOPARTICLE/ NANOFIBER PHOTOANODE <i>T Jaseetharan, MAKL Dissanayake, and GKR Senadeera</i></p>	<p><b>RH8.</b> UTILIZATION OF ENVIRONMENTAL POLLUTANTS AND BIOMASS FOR THE PRODUCTION OF BIOFUELS AND INDUSTRIAL CHEMICALS USING HETEROGENEOUS CATALYSTS <i>TMM Marso</i></p>
<p><b>867365.</b> SURVEY OF ANOPHELINE MOSQUITO FAUNA IN A VIRGIN FOREST IN DAMBANA: THE FIRST RECORD OF <i>ANOPHELES BARBUMBROSUS</i> IN BADULLA DISTRICT <i>DMCJ Dissanayake, SN Weerakoon, ISP Amarasinghe, TC Weeraratne, and SHPP Karunaratne</i></p>	<p><b>RH6.</b> TAXONOMY, BIOGEOGRAPHY AND EVOLUTIONARY RELATIONSHIPS OF THALLOID LIVERWORTS AND HORNWORTS OF SRI LANKA <i>NCS Ruklani</i></p>	<p><b>550685.</b> HYDROTHERMAL SYNTHESIS OF HIERARCHICAL TiO<sub>2</sub> MICROSPHERES FOR PHOTOANODES IN DYE-SENSITIZED SOLAR CELLS <i>S Senthuran, MAKL Dissanayake, and GKR Senadeera</i></p>	<p><b>527702.</b> ELECTROCHEMICAL REDUCTION OF CARBON DIOXIDE USING COPPER BASED METAL ORGANIC FRAMEWORK AS AN ELECTROCATALYST <i>KN Devindi and MYU Ganehenege</i></p>
<p><b>868644.</b> POTENTIAL OF PREDATORY LARVAE OF <i>ARMIGERES SUBALBATUS</i> (DIPTERA: CULICIDAE) FOR BIOLOGICAL CONTROL OF VECTOR MOSQUITOES <i>WGD Chathuranga, SHPP Karunaratne and WAPP de Silva</i></p>	<p><b>597155.</b> PHYSIOLOGICAL CHARACTERIZATION AND GENETIC DIVERSITY ANALYSIS OF THE RHIZOBIAL POPULATIONS INHABITING <i>GLIRICIDIA SEPIUM</i> FROM SELECTED LOCATIONS OF ANURADHAPURA DISTRICT, SRI LANKA <i>VRRU Udapamunuwa, PWI Nawanjana and RGSC Rajapakse</i></p>	<p><b>227956.</b> ENHANCING EFFICIENCY OF DYE-SENSITIZED SOLID-STATE SOLAR CELLS USING ALKYL-FUNCTIONALIZED ORGANIC DYE <i>DN Liyanage, ACA Jayasundera, K Tennakoon, KDMSPK Kumarasinghe, and GRA Kumara</i></p>	<p><b>847198.</b> DEVELOPMENT OF A COLORIMETRIC SENSOR SELECTIVE FOR Cr<sup>3+</sup> USING POLY(VINYL ALCOHOL) FUNCTIONALIZED SILVER NANOPARTICLES <i>PBG Dhanushka, KAA Sarangi, MUS Kulathunga, and NMS Sirimuthu</i></p>
<p><b>417966.</b> SPATIAL AND TEMPORAL VARIATIONS OF TOXIC ELEMENTS IN CULTURED AND WILD OYSTERS <i>CRASSOSTREA MADRASENSIS</i> IN PUTTALAM LAGOON, SRI LANKA <i>MM Subasinghe, BKKK Jinadasa, AN Navarathne and S Jayakody</i></p>	<p><b>RH7.</b> ASSEMBLING A CORE COLLECTION OF SRI LANKAN TEA GERMLASM USING SELECTED MORPHOLOGICAL, BIOCHEMICAL AND MOLECULAR CHARACTERS <i>MAB Ranatunga</i></p>	<p><b>551583.</b> ENHANCEMENT OF THE EFFICIENCY OF A DYE-SENSITIZED SOLID-STATE SOLAR CELL BY ELIMINATING EXCESS IODINE IN CuI <i>AWMV Ekanayake, GRA Kumara, and RMG Rajapaksa</i></p>	<p><b>591870.</b> ELECTRICITY GENERATION FROM SOIL <i>SP Karunaratne, MMD Anuradha, P Ekanayake, RGSC Rajapaksha, and VN Seneviratne</i></p>
<p><b>827231.</b> NEW LOCALITY RECORD AND FOOD HABITS OF ENDEMIC AND CRITICALLY ENDANGERED FISH <i>LABEO FISHERI</i> (JORDAN AND STARKS, 1842) (TELEOSTEI: CYPRINIDAE: CYPRININAE) IN SRI LANKA <i>KGDD Thilakarathne, GN Hirimuthugoda and KB Ranawana</i></p>	<p><b>147391.</b> POLYAMINE-INDUCED NITRIC OXIDE PRODUCTION IN <i>ARABIDOPSIS THALIANA</i> <i>R Wimalasekera and GFE Scherer</i></p>	<p><b>734204.</b> HIGH PERFORMANCE ACTIVE COCONUT SHELL CHARCOAL COUNTER ELECTRODE FOR DYE-SENSITIZED SOLAR CELLS <i>KDMSPK Kumarasinghe, GRA Kumara, and RMG Rajapakse</i></p>	<p><b>584008.</b> VOLATILE COMPOUNDS AND PHYSICO-CHEMICAL PROPERTIES OF COCONUT TODDY AND SPIRIT <i>DMDA Bandara, KB Jayasundera, and AB Thollabugolla</i></p>
<b>INVITED TALK BY PROF. N.S. KUMAR (PGIS AUDITORIUM)</b>			
<b>POSTER (BOTANY-ZOOLOGY LOBBY) &amp; TEA</b>			

**10<sup>th</sup> November, 2018 (Saturday) PGIS Research Congress 2018 - Technical Session (Afternoon)**

Time	EES1 (PGIS A.3.1)	EES2 (PGIS A.3.2)	SE / EES3 (PGIS Auditorium)	ICTMS (PGIS GIS Lab)
10:15 AM - 10:45 AM	<b>INVITED TALK BY PROF. N.S. KUMAR (PGIS AUDITORIUM)</b>			
10:45 AM - 11:15 AM	<b>POSTER (BOTANY-ZOOLOGY LOBBY) &amp; TEA</b>			
11:15 AM - 11:35 AM	<b>423097.</b> DEMARCATION OF LAND VALUATION ZONES USING GIS (CASE STUDY IN GANGAWATA KORALE DSD) <i>LRTC Weeraratne, MDN Chandramali, and J Gunatilake</i>	<b>485272</b> INTERLAYER EXPANSION OF SRI LANKAN VEIN GRAPHITE VIA REDUCTION OF GRAPHITE OXIDE <i>JN Kanagaratnam, HWMAC Wijayasinghe, NWB Balasooriya, and THNG Amaraweera</i>	<b>806907.</b> THE IMPACT OF SCIENTIFIC LITERACY AND MOTIVATION OF GRADE 11 STUDENTS ON THEIR PERFORMANCE IN SCIENCE <i>NWL Narangoda, WD Chandrasena, and WAPP de Silva</i>	<b>235273.</b> CONSTRUCTION OF GENERALIZED HADAMARD MATRICES OF ORDER $p^2$ , WHERE $p$ IS PRIME AND $n \geq 1$ <i>WV Nishadi and AAI Perera</i>
11:35 AM - 11:55 AM	<b>601591.</b> WEBGIS TECHNOLOGIES FOR PROJECT MANAGEMENT AND MONITORING: A CASE STUDY FROM SABARAGAMUAWA PROVINCE <i>DAJS Kumara, J Gunatilake, and M Gunawardhana</i>	<b>321435.</b> USE OF BIOFILMS IN BIO SOLUBILIZATION OF EPPAWALA ROCK PHOSPHATE <i>JPHU Jayaneththi, G Seneviratne, HMSP Madawala, and MGTS Amarasekara</i>	<b>259347.</b> INVESTIGATING THE EFFECTIVENESS OF USING SELF-DETERMINATION THEORY IN TEACHING BIOLOGY FOR GRADE 10 STUDENTS <i>HPR Menike and WD Chandrasena</i>	<b>701389.</b> A DEPTH FIRST SEARCH BASED APPROACH TO IMPROVE THE MOLECULAR PATHWAY SEARCH <i>WMLM Wijesundara, R Siyambalapatiya, and PMPC Gunathilake</i>
11:55 AM - 12:15 PM	<b>957681.</b> VIOLATION OF THE INTERNATIONAL MARITIME BOUNDARY LINE BY UNAUTHORIZED BOATS: GIS BASED APPROACH <i>KGCM Gamage and Jagath Gunatilake</i>	<b>076465.</b> PERFORMANCE ASSESSMENT OF A BEACH SAND DERIVED GARNET FILTER MEDIA FOR TURBIDITY REMOVAL IN WATER <i>KMDP Kodithuwakku, THNG Amaraweera, GWAR Fernando, and KWSN Kumari</i>	<b>175521.</b> TEACHER PERCEPTIONS ON TEACHER MOTIVATION AND USE OF EFFECTIVE TEACHING METHODS IN G.C.E. (O/L) SCIENCE <i>WD Chandrasena, ACA Jayasundera and AMRS Bandara</i>	<b>578467.</b> GROUP GRAPH MEASURES OF BRAIN NETWORKS: NEW CONCEPTS AND DEFINITIONS <i>S Vinayakavasekaran, AAI Perera, and N Ratnarajah</i>
12:15 PM - 12:35 PM	<b>444703.</b> LANDSLIDE HAZARD ZONATION MAPPING USING GIS: (A CASE STUDY FROM ARANAYAKA DS DIVISION, SRI LANKA) <i>DMNP Dissanayaka and L Manawadu</i>	<b>456986.</b> FABRICATION OF GRAPHENE ZERO-VALENT IRON ANODE MATERIALS FOR ELECTROCOAGULATION WATER TREATMENT FACILITY <i>JU Halpegama, CAN Fernando, HMAMC Herath, and R Weerasooriya</i>	<b>118765.</b> INVESTIGATION OF TEACHER PERCEPTION ON ISSUES AND REMEDIAL MEASURES IN CONDUCTING G. C. E. (A/L) BIOLOGY LABORATORY PRACTICALS: A CASE STUDY IN SOUTHERN PROVINCE <i>KHN Prasad, and WD Chandrasena</i>	<b>261736.</b> GENERATION OF THE CYCLIC GRAPHS USING THE NORMALIZED HADAMARD MATRICES <i>KDE Dhananjaya, MAD Priyadarshani, and AAI Perera</i>
12:35 PM - 12:55 PM	<b>408291.</b> GIS BASED ANALYSIS OF UTILIZATION OF CLUSTERED HOSPITALS IN JAFFNA DISTRICT <i>KDNP Ranaweera, J Gunatilake, M Gunawardana, and KKSA Withanage</i>	<b>073935.</b> PRODUCTION OF GRAPHITE OXIDE BASED SUPER SAND FOR DRINKING WATER TREATMENT <i>RT Perera, JA Liyanage, AR Kumarasinghe and R Weerasooriya</i>	<b>961283.</b> KEY FACTORS AFFECTING SCIENCE PERFORMANCE IN DIMBULAGALA EDUCATION ZONE <i>WN Rukmalee and WAPP de Silva</i>	
12:55 PM - 1:15 PM	<b>649718.</b> DENGUE OUTBREAKS IN VAVUNIYA DISTRICT, SRI LANKA <i>S Vijitharan, A Nanthakumaran, and J Gunatilake</i>	<b>993691.</b> PSEASONAL VARIATION OF HEAVY METALS AND OTHER PHYSICO-CHEMICAL PARAMETERS IN KATTAKADUWA <i>SR Hettiarachchi, AD Brinili, EA Edirisinghe, CMD Samaraweera</i>	<b>332863.</b> KNOWLEDGE AND ATTITUDES ON FIRST AID AMONG G.C.E. ADVANCED LEVEL STUDENTS IN GOVERNMENT SCHOOLS OF GAMPAHA EDUCATION ZONE, SRI LANKA <i>PV Alahakoon, PK Perera, C Wijesundara and KO Bandaranayaka</i>	
1:15 PM - 2:15 PM	<b>POSTER (BOTANY-ZOOLOGY LOBBY) &amp; LUNCH</b>			

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LS1 (Zoology old)	LS2 (Botany Old)	PS1 (PGIS B.3.1)	PS2 (PGIS B.3.2)
<b>INVITED TALK BY PROF. N.S. KUMAR (PGIS AUDITORIUM)</b>			
<b>POSTER (BOTANY-ZOOLOGY LOBBY) &amp; TEA</b>			
<p><b>103566.</b> ANTIBIOTIC RESISTANCE AND PHYLO-TYPING OF <i>ESCHERICHIA COLI</i> FROM NATURAL WATER AND HOSPITAL WASTE WATER SOURCES <i>MIF Ishara, CL Abayasekara, BN Dissanayake, BNLD Rangama and EWMA Ekanayake</i></p>	<p><b>728651.</b> IMPROVEMENT OF SEED QUALITY THROUGH HYDRO-PRIMING AND THE BEST STORAGE TREATMENT FOR TWO TRADITIONAL RICE VARIETIES OF SRI LANKA, BATAPOLA-EL AND SUWENDAL <i>MO Galappaththi, KMGG Jayasuriya and NS Gama-Arachchige</i></p>	<p><b>240789.</b> GROWTH AND CHARACTERIZATION OF SEED ASSISTED, Cd<sub>(1-x)</sub>Zn<sub>x</sub>S WITH EDTA TREATMENT <i>WGC Kumaraage, RKKGRG Kumarasinghe, WKDAU Wijesinghe, RP Wijesundera, VA Seneviratne, CP Jayalath, BS Dassanayake</i></p>	<p><b>RH9.</b> GLYCOLIPID FOR STABILIZATION OF BIOACTIVE COMPOUNDS IN MICROEMULSION FORMULATION <i>EPN Premarathne</i></p>
<p><b>288418.</b> DETECTION OF <i>MECA</i> GENE AND METHICILLIN RESISTANCE IN STAPHYLOCOCCI ISOLATED FROM HUMAN ORAL CAVITY <i>WMDA Wijesundara, JAMA Jayatilake, RGSC Rajapakse and JAMS Jayatilake</i></p>	<p><b>073931.</b> EFFECT OF PACKING MATERIAL AND MOISTURE CONTENT AT PACKING ON SEED GERMINATION AND VIGOR OF THREE POPULAR RICE VARIETIES OF SRI LANKA <i>AACB Alahakoon, DSDZ Abeysirwardena, JW Damunupola and NS Gama-Arachchige</i></p>	<p><b>795946.</b> COMPARATIVE ASSESSMENT OF CI ACTIVATION ON CBD-CdS THIN FILMS; CdCl<sub>2</sub> AND MgCl<sub>2</sub> <i>WGC Kumaraage, RKKGRG Kumarasinghe, RP Wijesundera, VA Seneviratne, CP Jayalath, and BS Dassanayake</i></p>	<p><b>112590.</b> FACILE FABRICATION OF OMNIPHOBIC SURFACES ON POLYESTER FABRIC <i>UGM Ekanayake, N Rathuwadu, and MMMGPG Manthilaka</i></p>
<p><b>RH4.</b> ACTIVITY OF TRIPHALA, AGAINST MULTI DRUG-RESISTANT HUMAN PATHOGENS: VALUE ADDITION AND SYNERGISM WITH SYNTHETIC ANTIBIOTICS <i>A Manoraj</i></p>	<p><b>239147.</b> ESTABLISHMENT OF VARIETAL IDENTITY OF SELECTED EXPORTABLE AND MEGA PRODUCTION RICE GENOTYPES IN SRI LANKA USING DNA FINGERPRINTING <i>WWMUK Wijesundara, GKS Ananda, SK Kannangara, SI Karunrathne, LT Ranaweera, UAKS Udawela, CK Weebadde, and SDSS Sooriyapathirana</i></p>	<p><b>164399.</b> ENHANCING THE THERMAL CONDUCTIVITY OF BASE FLUIDS BY INCORPORATING GRAPHITE <i>VAS Sumanasinghe, TP Ranawaka, and BS Dassanayake</i></p>	<p><b>452330.</b> ENHANCING ADSORPTION EFFICACY OF ACTIVATED CARBON BASED ON COCONUT COIR DUST FOR WATER DEFLUORINATION APPLICATIONS <i>AAAWK Rathnapala, MNS Kottegoda, and ADLC Perera</i></p>
<p><b>092349.</b> MORPHOMETRIC ANALYSIS OF THE GENUS <i>SALACIA</i> (CELASTRACEAE) OCCURRING IN SRI LANKA <i>WINS Senevirathne, PL Hettiarachchi and DMD Yakandawala</i></p>	<p><b>139066.</b> ENCAPSULATION OF CINNAMON LEAF OIL WITHIN CHITOSAN: FORMULATION AND CHARACTERIZATION <i>UGPP Subasinghe and S Wickramarachchi</i></p>	<p><b>222201.</b> MODIFICATION OF HIGHLY FLUORESCENT CdTe QUANTUM DOTS UNDER ATMOSPHERIC CONDITIONS <i>MME Munasinghe, YB Jayawardhene, AMMH Athapaththu, W Abeywickreme, and L Jayarathna</i></p>	<p><b>557994.</b> CUTTING EDGE PROTEIN AND CARBOHYDRATE-BASED MATERIALS FOR DRUG DELIVERY <i>WRAPJ Ratnayake, JW Damunupola, ALCJ Liyanage, RGSC Rajapaksha, and ACA Jayasundera</i></p>
<p><b>278313.</b> INVESTIGATION OF THE STABILITY OF ANTIGEN-FUNCTIONALIZED METAL NANOPARTICLES FOR IMMUNODIAGNOSIS OF ANTI-LEPTOSPIRAL ANTIBODIES <i>DMMH Dahanayake, CD Gamage, NMS Sirimuthu and ACA Jayasundera</i></p>	<p><b>851631.</b> NON-TOXIC MONTMORRILONITE CLAY COMPOSITES OF <i>LIMONIA ACIDISSIMA</i> LEAF HEXANE EXTRACT AND THEIR ANTIBACTERIAL ACTIVITY AGAINST <i>ESCHERICHIA COLI</i> <i>BH Madhushini, NC Bandara, ISK Vithanage and BMR Bandara</i></p>	<p><b>816135.</b> SYNTHESIS OF ATMOSPHERIC STABLE ZERO VALENT IRON NANOPARTICLES ON RADIATION-INDUCED GRAFTED GRAPHENE OXIDE THIN FILMS <i>KAS Jayasekara, TP Ranawaka, KRC De Silva, AGR Kumarasinghe, SVR Weerasooriya.</i></p>	<p><b>083755.</b> TRENDS IN ENCAPSULATION CAPACITY OF DENDRIMERS WITH VARYING CORE-FUNCTIONALITY AND GENERATION <i>NPNR Kumarachchi, Z Dunajova, and RJKU Ranatunga</i></p>
<p><b>792249.</b> PRACTICAL APPLICABILITY OF THE GLUCOSE OXIDASE METHOD (GOD) IN ASSESSING α-AMYLASE ACTIVITY <i>R Visvanathan, C Jayathilake, R Liyanage and R Sivakanesan</i></p>	<p><b>149048.</b> EXOGENOUS <i>MORINGA OLEIFERA</i> LEAF EXTRACT AS A BIOSTIMULANT IMPROVES GROWTH AND PHYSIOLOGICAL ATTRIBUTES OF RUBBER (<i>HEVEA BRASILIENSIS</i>) UNDER SUB-OPTIMAL CLIMATIC CONDITION <i>NMC Nayanakantha, BMSS Panditharatne, SA Nakandala, W Karunathilake, and P Seneviratne</i></p>		
<b>POSTER (BOTANY-ZOOLOGY LOBBY) &amp; LUNCH</b>			

10<sup>th</sup> November, 2018 (Saturday) PGIS Research Congress 2018 - Technical Session (Evening)

Time	EES1 (PGIS A.3.1)	EES2 (PGIS A.3.2)	SE / EES3 (PGIS Auditorium)	ICTMS (PGIS GIS Lab)
1:15 PM - 2:15 PM	POSTER (BOTANY-ZOOLOGY LOBBY) & LUNCH			
2:15 PM - 2:35 PM	<p><b>932436.</b> GIS-BASED CRIME HOT SPOT MAPPING AND ANALYSIS:-A CASE STUDY OF MATARA POLICE DIVISION, SRI LANKA <i>HBTP Jayathilaka and VPIS Wijeratne</i></p>	<p><b>755893.</b> PLANT-MEDIATED GREEN SYNTHESIS OF IRON OXIDE PARTICLES FOR CADMIUM REMOVAL IN WASTE WATER <i>S Thevakumar and S Arasaretnam</i></p>	<p><b>RH2.</b> JURASSIC PLANT FOSSILS FROM THE TABBOWA BASIN, SRI LANKA; THEIR EVOLUTIONARY SIGNIFICANCE IN GONDWANA <i>EMSGM Edirisooriya</i></p>	<p><b>RH3.</b> POISSON MIXED MODELS FOR COUNT DATA FROM DEPENDENT CLUSTERS AND THEIR APPLICATIONS <i>KANK Karunaratna</i></p>
2:35 PM - 2:55 PM	<p><b>933351.</b> APPLICATION OF GIS TO ANALYZE SUITABILITY OF EXISTING SOLIDWASTE DUMPING SITES IN POLONNARUWA DISTRICT <i>MDN Chandramali and JRSR Jayakody</i></p>	<p><b>907784.</b> IRON OXIDE NANOSPHERES REINFORCED CHITOSAN NANOCOMPOSITE FILMS: PROMISING ALTERNATIVES FOR PETROCHEMICAL PACKAGING MATERIAL <i>GTD Chandrakumara, DMSN Dissanayaka, MMMGPG Mantilaka, RT De Silva, HMTGA Pitawala, KMN de Silva, and GAJ Amaratunga</i></p>	<p><b>076823.</b> SELECTION OF TUNNEL ALIGNMENT FOR PROPOSED BYPASS TUNNEL TO CONNECT EAST AND WEST OF KANDY CITY AREA <i>DLC Pushpakumara and J Gunatilake</i></p>	<p><b>866237.</b> MATHEMATICAL MODELING OF SPREAD OF DENGUE FEVER <i>DMNK Dissanayaka and THKR de Silva</i></p>
2:55 PM - 3:15 PM	<p><b>RH1.</b> MAPPING GEOTHERMAL RESOURCES IN SRI LANKA: COMBINED USE OF MAGNETOTELLURICS AND TRANSIENT ELECTROMAGNETIC METHOD <i>NB Suriyaarachchi</i></p>	<p><b>098450.</b> CHARACTERIZATION OF BACTERIA FOR THEIR CELLULOSE PRODUCTION <i>SK Jayasekara, CL Abayasekara, and RR Ratnayake</i></p>	<p><b>468680.</b> RELATIONSHIP OF ROCK MASS RATING AND TUNNELING QUALITY INDEX FOR METAMORPHIC ROCKS IN NORTH CENTRAL AND CENTRAL PROVINCES, SRI LANKA <i>MPKG Jayathilaka and J Gunatilake</i></p>	<p><b>278385.</b> MODELLING IMPACT OF MACROECONOMIC VARIABLES ON ALL SHARE PRICE INDEX IN COLOMBO STOCK EXCHANGES <i>GK Thalaqoda, KC Rathnayake, and SP Abeyundara</i></p>
3:15 PM - 3:35 PM	<p><b>594667.</b> LANDSLIDE SUSCEPTIBILITY ZONING USING OPEN SPATIAL DATA; A CASE STUDY IN UDUDUMBARA AND MEDADUMBARA DIVISIONAL SECRETARIATS IN SRI LANKA <i>JWMMPK Jayasinghe, J Gunatilake and NIC Peiris</i></p>	<p><b>618074.</b> EFFECTIVENESS OF BIOCHAR ON SOIL EROSION POTENTIAL IN A SLOPE LAND <i>KGS Madhushani and A Nandakumaran</i></p>	<p><b>971781.</b> CHUNDIKKULAM, NAGAR KOVIL AND ADJACENT AREAS AS ECOTOURISM DESTINATIONS IN THE JAFFNA PENINSULA, SRI LANKA <i>P Rajkumar and CS Wijesundara</i></p>	<p><b>247313.</b> A NOVEL HEURISTIC METHOD FOR SOLVING CAPACITATED VEHICLE ROUTING PROBLEM <i>MKDD Sandaruwan, DM Samarathunga, and WB Daundasekara</i></p>
3:35 PM - 3:55 PM	<p><b>530892.</b> REALITY MODELING IS A REPLACEMENT OF CONVENTIONAL LAND SURVEY PRACTICE - THE CASE STUDY OF A 11 ROAD <i>K Thulasivarman</i></p>			<p><b>656493.</b> A PRODUCTION PLAN FOR A BISCUIT MANUFACTURING PLANT USING INTEGER LINEAR PROGRAMMING <i>DK De Silva and WB Daundasekara</i></p>



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LS1 (Zoology old)	LS2 (Botany Old)	PS1 (PGIS B.3.1)	PS2 (PGIS B.3.2)
<b>POSTER (BOTANY-ZOOLOGY LOBBY) &amp; LUNCH</b>			
<p><b>RH5.</b> IMPACTS OF RIVER REGULATION ON RIVERINE VEGETATION AND FISH POPULATIONS IN DOWNSTREAM OF MAHAWELI DIVERSION SCHEME FROM MINIPE TO MANAMPITIYA SRI LANKA <i>SL Rajakaruna</i></p>		<p><b>196591.</b> PERFORMANCE EVALUATION OF A LITHIUM RECHARGEABLE CELL WITH THE THICKNESS OF CONDUCTING POLYMER CATHODE <i>WADSS Weerasinghe, KP Vidanapathirana, KS Perera, AK Arof, and MA Careem</i></p>	<p><b>RH10.</b> CHEMISTRY AND BIOACTIVITY OF EXTRACTS AND METABOLITES FROM ENDOPHYTIC FUNGI IN THE FRUITS OF CARICA PAPAYA, AVERRHOA CARMBOLA AND SYZYGIUM SAMARANGENSE <i>T. Sritharan</i></p>
<p><b>588225.</b> SOLUBLE SILICA IMPROVES THE QUALITY OF 'EMBU' BANANA DURING STORAGE <i>NGDN Nikagolla, MY Udugala-Ganehenege and WAM Daundasekera</i></p>		<p><b>163402.</b> A STUDY OF THERMAL CONDUCTIVITY OF COMPOSITE BUILDING MATERIALS AND VERIFICATION OF MAXWELL'S THEORETICAL MODEL <i>AVDC Vithanage and K Premaratne</i></p>	<p><b>372729.</b> NANOCOMPOSITES OF CATION-EXCHANGED MONTMORILLONITE CLAYS, <math>\beta</math>-CYCLODEXTRIN AND <math>\alpha</math>-TOCOPHERYL ACETATE <i>MRSSB Gunasekera, NC Bandara, and BMR Bandara</i></p>
<p><b>193862.</b> OVER-DOMINANCE OF <i>BAMBUSA BAMBOS</i> ALTERS STRUCTURE AND COMPOSITION OF NATIVE FORESTS: A STUDY FROM TROPICAL MOIST EVERGREEN FORESTS IN SRI LANKA <i>MPT Wijewickrama, WAIP Karunaratne, DSA Wijesundara and HMSP Madawala</i></p>		<p><b>734296.</b> FREQUENCY COUNTER FOR THE SONOMETER STRING USING OPTICAL PICKUP METHOD <i>YMNWY Abeyrathna and LRAK Bandara</i></p>	<p><b>538711.</b> COMPUTATIONAL STUDY ON FREE ENERGY PROFILES OF PASSIVELY CELL PENETRATING PEPTIDES IN DIOLEOYLPHOSPHATIDYLCHOLINE (DOPC) LIPID BILAYER <i>BT Kumara, PWCM Purijjala, PVGM Rathnayake, and RJKU Ranatunga</i></p>
		<p><b>483439.</b> DEVELOPMENT OF A PROTOTYPE COMPUTERIZED DRIVING SYSTEM FOR THE LOCALLY MADE NEWTONIAN TELESCOPE <i>KG Samararathna, HDS Amaradasa, GDK Mahanama, SS Abeywickrama, and EM Ranatunga</i></p>	

10<sup>th</sup> November, 2018 (Saturday) PGIS Research Congress 2018 – Poster Session

**Physical Sciences**

941809	Zn/NATURAL GRAPHITE RECHARGEABLE CELL WITH AN IONIC LIQUID BASED GEL POLYMER ELECTROLYTE. <i>KW Prasadini, KS Perera, and KP Vidanapathirana</i>
680889	FLUORESCENCE SPECTROSCOPY AS AN ANALYTICAL TOOL FOR IDENTIFYING OIL DEGRADATION <i>RABM Ranawaka, NMS Sirimuthu, and CNK Patabendige</i>
419333	A STUDY OF THE PERFORMANCES OF CHENODEOXYCHOLIC ACID WITH TiO <sub>2</sub> BASED DYE-SENSITIZED SOLAR CELLS. <i>LWMS Jayathilake, BMK Pemasiri, WMNMB Wanninayake, and K Premaratne</i>
006031	SOFTENING OF HARD WATER USING ACTIVATED COCONUT COIR. <i>WGSS Gunarathne, MNS Kottegoda, and ADLC Perera</i>
489929	A STUDY ON GEL POLYMER QUASI SOLID STATE MAGNESIUM ION-BASED ELECTROLYTE <i>RMIGCAK Ranathunga, VA Senevirathne, and DMDV Bandara</i>
043252	DETERMINATION OF FUNDAMENTAL PROPERTIES OF CZTS SEMICONDUCTOR MATERIAL DEPOSITED BY THE SPRAY PYROLYSIS METHOD <i>AMKL Abeykoon and J Bandara</i>

**Science Education**

097819	LEARNER PERCEPTIONS ON DISTANCE LEARNING: A CASE STUDY AT THE CENTRE FOR DISTANCE AND CONTINUING EDUCATION, UNIVERSITY OF PERADENIYA, SRI LANKA <i>AMRS Bandara, WD Chandrasena, and M Pinnawala</i>
494934	READINESS OF STUDENTS AND TEACHERS FOR E-LEARNING IN BIOLOGY EDUCATION IN G.C.E. (A/L) IN THE NATIONAL SCHOOLS OF HOMAGAMA EDUCATIONAL ZONE <i>PH Dhammika and TMSSKY Ekanayake</i>
598083	FACTORS AFFECTING MATHEMATICS PERFORMANCE OF GRADE ELEVEN STUDENTS IN THUNUKKAI EDUCATION ZONE <i>C. Volantine and W.D. Chandrasena</i>

**Earth and Environmental Sciences**

386991	ASSESSMENT OF HYDROGEOLOGICAL CONDITIONS USING RESISTIVITY DATA: A CASE STUDY IN MORAGAHAKANDA AREA, SRI LANKA <i>AMNPB Abeysinghe, HAM Prasadani, RRGR Rajapakse, HA Dharmagunawardhana, and J Gunatilake</i>
428332	DETERMINATION AND COMPARISON OF FLUORIDE CONCENTRATION OF DRINKING WATER IN MEEGALEWA AND EPPAWALA AREAS IN SRI LANKA <i>BMSM Dissanayaka, JATC Ariyasena, and MMAN Navaratne</i>
186223	SYNTHESIS OF MONO-LAYERED ZINC OXIDE NANOPARTICLES ON THIN FILM OF MUSCOVITE MICA: NOVEL ADVANCED VALUE ADDITION TO SRI LANKAN MICA <i>A Senthilnathan, UGM Ekanayake, and MMGPG Mantilaka</i>
629567	UREA ASSISTED NANOPARTICLE DEPOSITED CINNAMON BIOCHAR- A POTENTIAL MATERIAL FOR WASTE WATER PURIFICATION STUDIES <i>NBP Senanayake, DMSN Dissanayake, UGM Ekanayake, GWCS Perera, and MMMGPG Mantilaka</i>
135111	GROUNDWATER QUALITY ENHANCEMENT AND EFFICIENT WATER MANAGEMENT PRACTICES IN JAFFNA PENINSULA, SRI LANKA <i>K Sivendram, and KDW Nandalal</i>



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