



PROGRAMME GUIDE

PGIS RESEARCH CONGRESS - 2017



8th and 9th September 2017

Earth and Environmental Sciences

ICT, Mathematics and Statistics

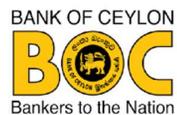
Life Sciences

Physical Sciences

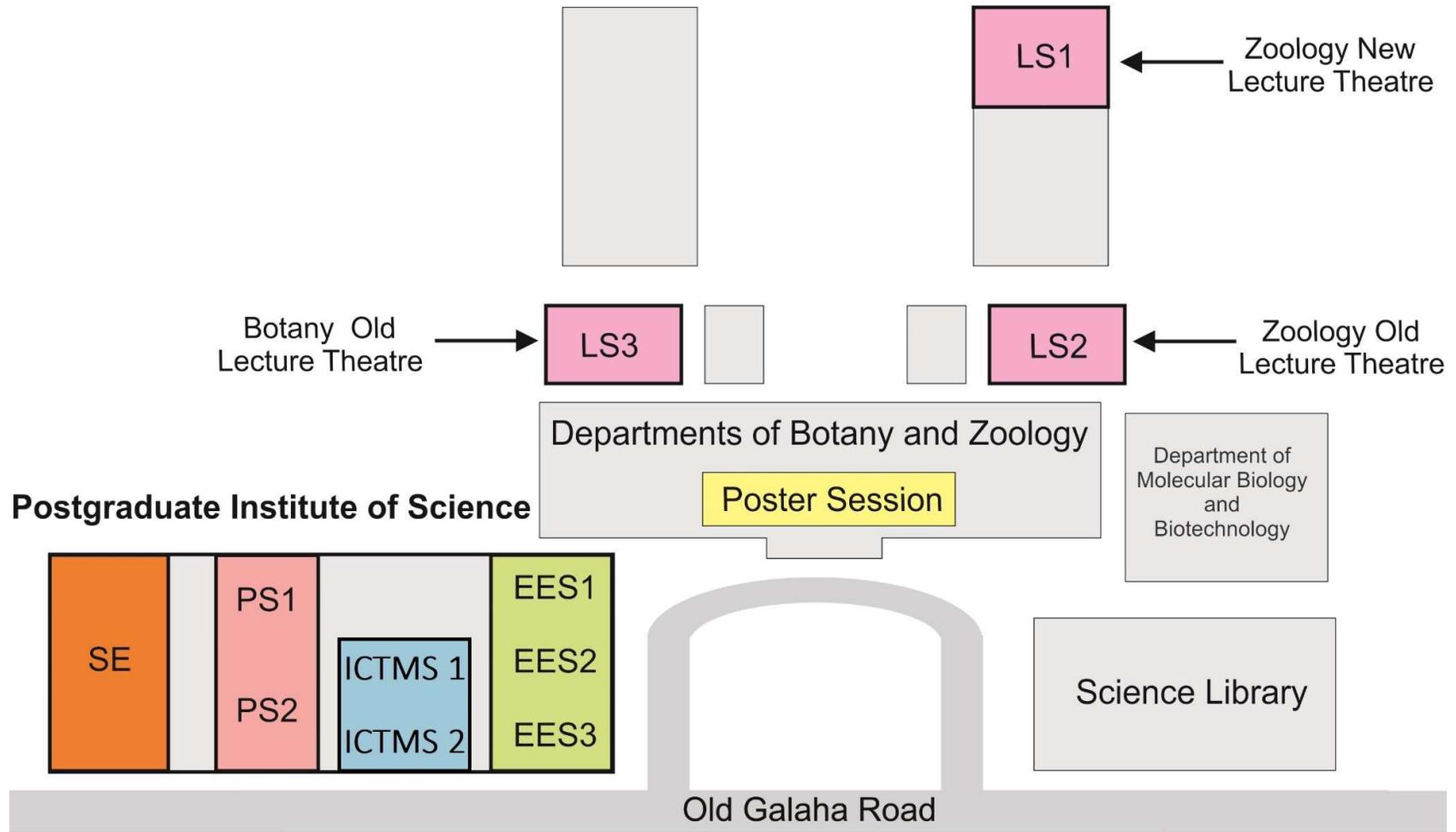
Science Education

RESEARCH

CONGRESSES



PGIS Research Congress 2017 - Session Venue Map



Session Themes	Session Venue		
Earth & Environmental Science (EES)	PGIS-New-B-3-3	PGIS-New-B-3-2	PGIS-New-B-3-1
ICT, Mathematics & Statistics (ICTMS)	PGIS-New-A-1-1	PGIS-New-A-1-2	
Life Sciences (LS)	Botany Lecture Theatre	Zooology Lecture Theatre	Zooology New Lecture Theatre
Physical Sciences (PS)	PGIS-A-3-1	PGIS-A-3-2	
Science Education (SE)	PGIS-Auditorium		
Poster Sessions	Lobby of the Departments of Botany and Zoology		

PGIS Research Congress 2017 - Technical Session

Time	EES			ICTMS		LS			PS		SE
	Session 1 (PGIS-New-B-3-3)	Session 2 (PGIS-New-B-3-2)	Session 3 (PGIS-New-B-3-1)	Session 1 (PGIS-New-A-1-1)	Session 2 (PGIS-New-A-1-2)	Session 1 (Botany Lecture Theatre)	Session 2 (Zoology Lecture Theatre)	Session 3 (Zoology New Lecture Theatre)	Session 1 (PGIS-A-3-1)	Session 2 (PGIS-A-3-2)	Session 1 (PGIS- Auditorium)
7:00 - 8:00	REGISTRATION										
8:00 - 8:30	Invited Talk 1 - Fabrication and Evaluation of Nanocarbon Supported Iridium Oxide Catalysts for Water Electrolysis by Prof. M. Hara										
8:30 - 8:50	ID 226	ID 17	ID 98	ID 94	ID 157	ID 179	ID 42	ID 107	ID 22	ID 167	ID 90
8:50 - 9:10	ID 224	ID 45	ID 104	ID 174	ID 61	ID 180	ID 48	ID 27	ID 64	ID 78	ID 227
9:10 - 9:30	ID 53	ID 72	ID 117	ID 33	ID 189	ID 184	ID 52	ID 30	ID 63	ID 196	ID 135
9:30 - 9:50	ID 187	ID 73	ID 143	ID 18	ID 101	ID 13	ID 67	ID 39	ID 85	ID 122	ID 139
9:50 - 10:10	ID 225	ID 71	ID 146	ID 2	ID 65	ID 41	ID 99	ID 207	ID 68	ID 145	ID 88
10:10 - 10:30		ID 46					ID 128	ID 15	ID 141	ID 183	
10:30 - 11:00	TEA + POSTER										
11:00 - 11:30	Invited Talk 2 - Is Research Worth the Effort? by Prof. S.W. Kotagama										
11:30 - 11:50	ID 32	ID 129	ID 43	ID 132	ID 24	ID 51	ID 14	ID 16	ID 103	ID 76	ID 209
11:50 - 12:10	ID 80	ID 74	ID 92	ID 152	ID 26	ID 57	ID 194	ID 190	ID 159	ID 29	ID 197
12:10 - 12:30	ID 87	ID 155	ID 95	ID 126	ID 108	ID 62	ID 96	ID 198	ID 200	ID 86	ID 124
12:30 - 12:50	ID 165	ID 214	ID 100	ID 75	ID 222	ID 133	ID 56	ID 234	ID 201	ID 113	ID 193
12:50 - 13:10	ID 151	ID 106	ID 123	ID 23			ID 60	ID 91	ID 158	ID 3	
13:10 - 14:20	LUNCH + POSTER										
14:20 - 14:40	ID 203	ID 162				ID 131	ID 154	ID 47	ID 20		ID 83
14:40 - 15:00	ID 220	ID 19				ID 137	ID 177	ID 235	ID 212		ID 89
15:00 - 15:20	ID 230	ID 84				ID 156	ID 148	ID 140	ID 161		ID 93
15:20 - 15:40	ID 160	ID 202				ID 169	ID 5	ID 97			ID 192
15:40 - 16:00		ID 9				ID 164	ID 6	ID 35			
16:00 - 16:20								ID 138			

09th September, 2017 (Saturday) PGIS Research Congress 2017 - Technical Session

	ESS - Session 1 (PGIS-New-B-3-3)	ESS - Session 2 (PGIS-New-B-3-2)	ESS - Session 3 (PGIS-New-B-3-1)	ICTMS - Session 1 (PGIS-New-A-1-1)	ICTMS - Session 2 (PGIS-New-A-1-2)
7:30 - 8:00	Registration				
8:00 - 8:30	Invited Talk 1 - Fabrication and Evaluation of Nanocarbon Supported Iridium Oxide Catalysts for Water Electrolysis by Prof. M. Hara				
8:30 - 8:50	226. GIS AS A TOOL TO PROMOTE THE EFFECTIVENESS OF PLANNING THE WATER SUPPLY PROJECTS: A CASE STUDY IN KUNDASALE HARAGAMA WATER SUPPLY PROJECT (KHWSP), KANDY, SRI LANKAM, <i>MP Muthumali, KKSA Withanage, and J Gunatilake</i>	17. REMOVAL OF Ni(II) USING JACK FRUIT PEELS, <i>SH Ranasinghe' and N Priyantha</i>	98. COMPARATIVE STUDY OF SPATIAL DISTRIBUTION OF DIATOM ASSEMBLAGES IN SURFACE SEDIMENT IN TWO RESERVOIRS LOCATED IN WET AND INTERMEDIATE ZONES OF SRI LANKA, <i>RVH Hansika and SK Yatigammana</i>	94. COMPARATIVE ANALYSIS OF EXISTING ALGORITHMS TO SOLVE THE KNAPSACK PROBLEM, <i>WKP Chathurangika and WB Daundasekera</i>	157. EFFICIENCY EVALUATION OF HYDRO POWER PLANTS USING DATA ENVELOPMENT ANALYSIS: A CASE STUDY IN SRI LANKA, <i>DGR Ishara, ZAMS Juman, KGIE Chalalochana, PAL Sampath, and IPL Sachinthana</i>
8:50 - 9:10	224. GIS BASED TOOL FOR RURAL ROADS DEVELOPMENT MANAGEMENT: A CASE STUDY FROM MAGANEGUMA IN ATTANAGALLA DS DIVISION, <i>KVDSL Pathmasiri' KKSA Withanage, BU Indika, and J Gunatilake</i>	45. REMOVAL OF PHOSPHATE BY FELDSPAR-FLY ASH-ALGINATE COMPOSITE, <i>WMKEH Wijesinghe, DMREA Dissanayake, SS Iqbal, N Priyantha, and MCM Iqbal</i>	104. STRATIGRAPHIC EXPRESSIONS OF SUBFOSSIL DIATOMS IN SEDIMENTS OF BALLAWIDDA WEWA IN GIRADURUKOTTE, SRI LANKA, <i>WMNK Wickramasinghe, and SK Yatigammana</i>	174. APPLICATION OF CRITICAL PATH METHOD AND SCHEDULE COMPRESSION FOR AN ONGOING CONSTRUCTION PROJECT: A CASE STUDY, <i>Z.A.M.S. Juman, KKPM Dharmasiri, A Jayatileke, BMRG Basnayake, and EMPP Ekanayake</i>	61. OPTIMIZATION OF PLAGIARISM DETECTION USING GPUS, <i>MAC Jiffriya and RG Ragel</i>
9:10 - 9:30	53. GIS BASED ROAD TRAFFIC ACCIDENT ANALYSIS IN BATTICALOA CITIES, <i>Kishoran, AAK Gunathilaka, S Sivanantharajah, and P Vinobaba</i>	72. ACETIC ACID TREATMENT OF MUTHURAJAWELA PEAT FOR ENHANCEMENT OF Ni(II) REMOVAL, <i>WASA Mallikarathna' and N Priyantha</i>	117. ESTIMATION OF CARBON STOCK IN UDAWATTAKELE FOREST RESERVE IN KANDY DISTRICT OF SRI LANKA, <i>AMSK Abeysakara, SK Yatigammana, and KT Premakantha</i>	33. COMPARISON BETWEEN r-d AND r-k CLASS ESTIMATORS IN MISSPECIFIED LINEAR REGRESSION MODEL, <i>M Kayanan and P Wijekoon</i>	189. A DIALOGUE MANAGEMENT MODEL WITH USER INPUT LEARNING, <i>MFA Shariff and RD Nawarathna</i>
9:30 - 9:50	187. CHANGE DETECTION OF VEGETATION IN THE UDAWATTA KELE SANCTUARY USING VEGETATION INDICES DERIVED FROM SATELLITE IMAGERIES, <i>LAAW Wimalasinghe, MAKYA Marambe' and J Gunathilaka</i>	73. APPLICATION OF TEA WASTE AS A BIOSORBENT FOR REMOVAL OF Cu(II) FROM AQUEOUS SOLUTION - A PRELIMINARY INITIATIVE, <i>S Malavipathirana' TPK Kulasooriya, and DMAL Dissanayake</i>	143. LONG-TERM STUDY ON STEM DENSITY, MORTALITY AND RECRUITMENT DYNAMICS OF A LOWLAND TROPICAL RAINFOREST IN SRI LANKA, <i>C Bandara, S Ediriweera, IAUN Gunatilleke, BMP Singhakumara, and MS Ashton</i>	18. ON THE PIERCE EXPANSION OF RATIONAL NUMBERS BETWEEN 0 AND 1, <i>HWSS Jayathissa, AAI Perera, and D Uththamawadu</i>	101. A STUDY ON A SMART SURVEILLANCE SYSTEM, <i>KPTP Jayasekara and HROE Dayaratna</i>
9:50 - 10:10	225. STUDY ON THE SPATIAL DISTRIBUTION OF AIR POLLUTANTS IN GAMPAHA URBAN AREA-GIS AND REMOTE SENSING APPROACH, <i>M Wickramanayake, KKSA Withanage, A Rajah, and J Gunatilake</i>	71. DEVELOPMENT OF AN EFFICIENT TREATMENT SYSTEM SUPPORTED WITH BACTERIA-ATTACHED GROWTH MEDIA FOR SMALL SCALE RAW RUBBER PROCESSING EFFLUENTS, <i>N Nissanka, N Priyantha, S Malavipathirana, and WMG Senavirathna</i>	146. DIVERSITY, ABUNDANCE AND HABITAT CHARACTERISTICS OF ODONATA IN DALIWALA OYA, RATTOTA, MATALE. <i>AMPEK Atapattu, and SK Yatigammana</i>	2. PERFORMANCE OF THE ALMOST UNBIASED LIU ESTIMATOR IN LOGISTIC REGRESSION UNDER EXACT LINEAR RESTRICTIONS, <i>N Varathan and P Wijekoon</i>	65. INTRUSION DETECTION USING ONE CLASS SUPPORT VECTOR MACHINE (OCSVM), <i>DMKD Dissanayake, SS Somathilaka, and JADC Jayakody</i>
10:10 - 10:30		46. STUDY OF BIO GAS PRODUCTION FROM FOOD WASTE FOR ENERGY RECOVERY, <i>WMKEH Wijesinghe, DMREA Dissanayake, SS Iqbal, N Priyantha, and MCM Iqbal</i>			
10:30: - 11:00	TEA + POSTER				
11:00: - 11:30	Invited Talk 2 - Is Research Worth the Effort? Prof. S.W. Kotagama				

09th September, 2017 (Saturday) PGIS Research Congress 2017 - Technical Session

LS - Session 1 (BLT)	LS - Session 2 (ZLT)	LS - Session 3 (ZNL)	PS - Session 1 (PGIS-A-3-1)	PS - Session 2 (PGIS-A-3-2)	SE - Session 1 (PGIS-Auditorium)
Registration					
Invited Talk 1 - Fabrication and Evaluation of Nanocarbon Supported Iridium Oxide Catalysts for Water Electrolysis by Prof. M. Hara					
<p>179. EVALUATION OF THREE TECHNIQUES FOR QUANTIFICATION OF BACTERIA ASSOCIATED WITH ATMOSPHERIC PARTICULATE MATTER, <i>RWK Amarasekara, M Vithanage, P Samaraweera, and DN Magana-Arachchi</i></p>	<p>42. EFFECT OF TEMPERATURE AND ANIMAL TISSUE TYPE ON DEVELOPMENT OF <i>Chrysomya megacephala</i> (DIPTERA: CALLIPHORIDAE), <i>YTB Bambaradeniya, WAIP Karunaratne, JK Tomberlin, I Goonerathne, and RB Kotakadeniya</i></p>	<p>107. PREVALENCE OF BREAST CANCER BASED ON FAMILY HISTORY IN A FEMALE POPULATION IN YATINUWARA SECRETARIAT DIVISION, <i>U Jayasekara, ML Jayathilake, A Jayasinghe, S Kulatunga, PB Hewavithane, and PVR Kumarasiri</i></p>	<p>22. INHIBITIVE ACTION OF SELECTED MODEL COMPOUNDS OF EUGENOL ON MILD STEEL CORROSION IN SALTY MEDIUM, <i>WMGS Wijesooriya, JMS Jayasinghe, and N Priyantha</i></p>	<p>167. MULTILAYER GRAPHENE AS A CATHODE MATERIAL IN LITHIUM-ION HYBRID SUPERCAPACITOR, <i>RDL Sandaruwan, SADR Madusanka, H Wang, and N Gunawardhana</i></p>	<p>90. AUTHENTIC WAYS OF EMPOWERING PRIMARY TEACHER EDUCATION THROUGH OUTDOOR LABORATORY ACTIVITIES, <i>RPP Lenora, AN Navaratne, and UM Sedere</i></p>
<p>180. FERNS AND FERN ALLIES IN DOTHALUGALA IN THE KNUCKLES CONSERVATION AREA, <i>KKY Dilhani and GAD Perera</i></p>	<p>48. SPECIES COMPOSITION AND FEEDING PATTERN OF ORNITHOPHILIC MOSQUITOES IN URBAN AND RURAL AREAS IN GAMPOLA, CENTRAL SRI LANKA, <i>WGD Chathuranga, SHPP Karunaratne, B. Fernando, and WAPP de Silva</i></p>	<p>27. TARGETED, SAFE DELIVERY AND SLOW RELEASE OF ANTICANCER DRUG CISPLATIN TO CANCER CELLS TRIGGERED BY ACIDITY, <i>SP Dunuweera and RMG Rajapakse</i></p>	<p>64. FIVE PHYTOCHEMICALS FROM AN ANTIDIABETIC EXTRACT OF <i>Canarium zeylanicum</i> (Retz.) Blume, <i>LCPT Liyanaarachchie, L Jayasinghe, M Gunatilake, A Siriwardhana, and BMR Bandara</i></p>	<p>78. THERMAL ANNEALING OF GRAPHENE OXIDE WITH SIMULTANEOUS RESTORATION, <i>KKH de Silva, HH Huang, D Yoneda, and M Yoshimura</i></p>	<p>227. EFFECTIVENESS OF CONVENTIONAL AND SKILL ORIENTED TEACHING AND ASSESSMENT TO ENHANCE GENERIC SKILLS IN CHEMISTRY IN JUNIOR SECONDARY SCHOOL, <i>K Balasritharan, UM Sedere, and WD Chandrasena</i></p>
<p>184. FACTORS CONTROLLING EPICOTYL DORMANCY IN <i>Ardisia gardneri</i>, <i>BRCP Samarasinghe, YS Athugala, and KMGG Jayasuriya</i></p>	<p>52. MOLECULAR BASED METHOD FOR THE DETECTION OF <i>Salmonella</i> IN MEAT PRODUCTS, <i>HMGU Gunathilaka, WAJS Perera, HHK Achala, DHH Munasinghe, and M Athapaththu</i></p>	<p>30. QUALITY OF WATER CONSUMED BY PATIENTS WITH CHRONIC KIDNEY DISEASE OF UNKNOWN AETIOLOGY IN MONERAGALA DISTRICT, SRI LANKA, <i>DND Liyanage, R Chandrajith, and RMG Rajapakse</i></p>	<p>63. MONTMORILLONITE CLAY COMPOSITES OF BIOACTIVE COMPOUNDS: INTERCALATION OF AN ANTIFUNGAL FRACTION OF <i>Ageratina riparia</i>, <i>HATD Jayasinghe, VGAU Samarasinghe, NC Bandara, JW Damunupola, DSA Wijesundara, and BMR Bandara</i></p>	<p>196. SURFACE FUNCTIONALIZATION OF CELLULOSE FIBERS WITH CALCIUM SILICATE NANOPARTICLES, <i>G Priyadarshana, A Siriwardhana, N Kottegoda, GAJ Amaratunga, and V Karunaratne</i></p>	<p>135. DIFFICULTIES IN TEACHING AND LEARNING PHYSICS IN GRADE SIX SCIENCE: A CASE STUDY IN MATALE EDUCATIONAL ZONE, <i>FSN Mohamed, CTK Tilakaratne, and WD Chandrasena</i></p>
<p>13. ANTIMICROBIAL ACTIVITY OF <i>Lactobacillus curiae</i> STRAIN B_18 LAB FROM GREEN BANANA VARIETY SRI LANKAN KOLIKUTTU, <i>DMWD Divisekera, JKRR Samarasekera, MI Choudhary, C Hettiarachchi, J Goonerathne, and S Gopalakrishnan</i></p>	<p>67. ANALYSIS OF SELECTED NUTRITIONAL PARAMETERS OF POWDERED MILK AND PASTEURIZED MILK IN THE SRI LANKAN MARKET, <i>PMPAS Perera, DHH Munasinghe, and RAUJ Marapana</i></p>	<p>39. COMPARISON OF ANTIMICROBIAL ACTIVITY OF ANTIBIOTIC IMPREGNATED AND ZINC OXIDE NANOPARTICLE IMPREGNATED COTTON GAUZZES, <i>MGGSN Thilakarathna, URPT Rajapaksha, SP Dunuweera, Sanath Rajapakse, I de Silva, and RMG Rajapakse</i></p>	<p>85. SCUM DEVELOPMENT IN DRY WARE AND EFFECT OF BARIUM CARBONATE IN REDUCTION OF EFFECT OF SCUM, <i>DPK Ponnampereuma, HE Gunathilaka and MB Ranaweera</i></p>	<p>122. COMBINED EFFECTS OF RICE HUSK ASH AND NYLON FIBRE ON ENGINEERING PROPERTIES OF CEMENT MORTAR, <i>HMLR Fernando, BMK Pemasiri, and BS Dassanayake</i></p>	<p>139. STUDENT-CENTERED LABORATORY ACTIVITIES FOR GRADE 10 STUDENTS' CHEMISTRY LEARNING, <i>T Sakeetharan, ADLC Perera, and TMSSK Yatigammana Ekanayake</i></p>
<p>41. EVALUATION OF INSECTICIDAL POTENTIAL OF ESSENTIAL OILS IN <i>Rutagraveolens</i> AND ITS CONSTITUENTS AGAINST <i>Sitophilus zeamais</i> AND <i>Corcyra cephalonica</i>, <i>DMWD Divisekera, JKRR Samarasekera, MI Choudhary, C Hettiarachchi, J Goonerathne, and S Gopalakrishnan</i></p>	<p>99. ANALYSIS AND CHARACTERISATION OF FOAM NEST PROTEINS OF <i>Polypedate scruciger</i>, <i>RDGA Ranasinghe, APDT Ranathunga, YA Haleema, VN Seneviratne, M Meegaskumbura, and S Rajapakse</i></p>	<p>207. ANALYSIS OF HKT1;1 HOMOLOGS IN CEREALS BY COMPARATIVE GENOMICS AND PROTEIN STRUCTURE MODELING, <i>MHMMN Mapa and HACK Ariyaratna</i></p>	<p>68. REMOVAL OF ARSENIC FROM SYNTHETIC WATER USING LOW-COST ADSORBENTS AND ACTIVATED CARBON DERIVED FROM THEM, <i>NLK Gamage and M Edussuriya</i></p>	<p>145. SURFACE MODIFICATION OF TEXTILE MATERIALS FOR ANTI-STATIC PROPERTIES, <i>KAA Ruparathna, RMG Rajapakse, GRA Kumara, WM Somasiri</i></p>	<p>88. SUGGESTIONS FOR OVERCOMING DIFFICULTIES IN LEARNING GEOMETRY: A CASE STUDY OF ELEVENTH GRADERS IN VADAMARACHCHI EDUCATION ZONE, <i>M Mathavan and ZAMS Juman</i></p>
	<p>128. ICHTHYOFAUNA IN THE PROPOSED WARATHENNA-HAKKINDA ENVIRONMENTAL PROTECTION AREA IN KANDY, SRI LANKA, <i>KGDD Thilakarathne, GN Hirimuthugoda, PHT Lakkana, and S Kumburegama</i></p>	<p>15. OPTIMIZATION OF FACTORS AFFECTING α-AMYLASE PRODUCTION IN SUBMERGED FERMENTATION USING THREE <i>BACILLUS</i> STRAINS, <i>LS Magammulla, and WWP Rodrigo</i></p>	<p>141. DEFLUORIDATION USING ACTIVATED COCONUT COIR-ALGINATE BEADS, <i>GHSD Pathmasiri, N Kottegoda, and ADLC Perera</i></p>	<p>183. SYNTHESIS OF SUPERHYDROPHOBIC COATINGS FOR ALL THE SURFACES. SYNTHESIS OF SUPERHYDROPHOBIC COATINGS FOR FABRIC AND WOOD, <i>CA Thennakoon, RBSD Rajapakse, WM Somasiri, RMG Rajapakse, and RGSC Rajapakse</i></p>	
TEA + POSTER					
Invited Talk 2 - Is Research Worth the Effort? Prof. S.W. Kotagama					

09th September, 2017 (Saturday) PGIS Research Congress 2017 - Technical Session

	ESS - Session 1 (PGIS-New-B-3-3)	ESS - Session 2 (PGIS-New-B-3-2)	ESS - Session 3 (PGIS-New-B-3-1)	ICTMS - Session 1 (PGIS-New-A-1-1)	ICTMS - Session 2 (PGIS-New-A-1-2)
10:30 - 11:00	TEA + POSTER				
11:00 - 11:30	Invited Talk 2 - Is Research Worth the Effort? Prof. S.W. Kotagama				
11:30 - 11:50	32. BIOSTRATIGRAPHY OF THE NANNOFOSSIL ASSEMBLAGE AT CRETACEOUS-PALEOGENE BOUNDARY IN DECCAN INTER-TRAPPED SEDIMENTS, MANNAR BASIN, SRI LANKA, <i>S Perera and Abha Singh</i>	129. SYNTHESIS OF NYLON WITH ANTIBACTERIAL PROPERTIES BY INCORPORATING COPPER NANOPARTICLES, <i>JWMES Weerappuliarachchi, IC Perera, SS Gunathilake' and BS Dassanayake</i>	43. DIVERSITY AND ABUNDANCE OF MIGRATORY BIRDS IN SARASALAI AND ANTHANATHIDAL MANGROVES IN JAFFNA DISTRICT, SRI LANKA. <i>Packiyathan Rajkumar and Chaminda Wijesundara</i>	132. OPTIMIZING REAL TIME TRAFFIC SIGNAL CONTROL EFFICIENCY AT A ROAD INTERSECTION, <i>R Yogeswary and WB Daundasekara</i>	24. ANALYSING MORTALITY RATE OF mesua nagassarium AND mesua ferrea OF SINHARAJA FOREST DYNAMIC PLOT, <i>EMEK Ekanayake, P Wijekoon, and IAUN Gunatilleke</i>
11:50 - 12:10	80. PRELIMINARY EVIDENCE OF ENVIRONMENTAL CHANGES RECORDED IN THE BATTICALOA LAGOON, SRI LANKA, <i>AMNM Adikaram, HMTGA Pitawala, DT Jayawardana, and MMTI Megasooriya</i>	74. ENHANCEMENT OF Ni(II) REMOVAL BY NaOH-MODIFIED PEEL OF <i>Artocarpus nobilis</i> FRUIT, <i>PA Kotabewatta' and N Priyantha</i>	92. CHANGES OF ARBUSCULAR MYCORRHIZAL FUNGAL COMMUNITY FOLLOWING Bambusa bambos DOMINANCE IN MOIST-MIXED EVERGREEN FOREST IN SRI LANKA. <i>TWGFN Nijamdeen, T Wijewickrama, DSA Wijesundara and HMSP Madawala</i>	152. A NEW TWO PHASED HEURISTIC APPROACH FOR SOLVING A CAPACITATED VEHICLE ROUTING PROBLEM, <i>MKDD Sandaruwan, DM Samarathunga, and WB Daundasekara</i>	26. NUMERICAL SOLUTIONS OF A FRACTIONAL REACTION-DIFFUSION MODEL FOR FORMATION OF CORAL PATTERNS, <i>LW Somathilake and K Burrage</i>
12:10 - 12:30	87. PALEO-DEPOSITIONAL AND TEXTURAL CHARACTERISTICS OF JURASSIC BED IN TABBOWA, SRI LANKA, <i>WAP Weerakoon, HAH Jayasena, KVGS Perera, Neerja Jha, NP Ratnayake, Rohana Chandrajith, Deepthi Yakandawala, and Neha Aggarwal</i>	155. ENHANCED CHROMIUM(III) REMOVAL USING NaOH MODIFIED RICE HUSK, <i>HKW Sandamali' and N Priyantha</i>	95. COMPOSITION, RELATIVE ABUNDANCE AND ENVIRONMENTAL PREFERENCE OF THE PHYTOPLANKTON COMMUNITY IN SIX URBAN SHALLOW RESERVOIRS IN SRI LANKA. <i>PAAPK Senanayake, and SK Yatigammana</i>	126. ON OBTAINING AN INITIAL FEASIBLE SOLUTION TO THE TRANSPORTATION PROBLEM: A COMPARATIVE STUDY, <i>EGKM Gamlath, YMNS Yapa, and ZAMS Juman</i>	108. DETERMINATION OF THE SOCIOECONOMIC FACTORS ASSOCIATED WITH SUICIDE IN SRI LANKA, <i>UNJ Bandara and LS Nawarathna</i>
12:30 - 12:50	165. PRESENT CONTAMINATION STATUS OF GEOSMIN IN DRINKING WATER SOURCES IN SRI LANKA, <i>S Ganegoda and PM Manage</i>	214. SORPTION BEHAVIOR AND ADSORPTION OF M-XYLENE INTO MUNICIPAL SOLID WASTE BIOCHAR, <i>BAYB Jayawardhana' and MS Vithanage</i>	100. CAN <i>Daphnia magna</i> BE THE SOLUTION FOR CLEARING EUTROPHIED WATERS? <i>MWASUK Wijesuriya, WMNK Wickramasinghe, and SK Yatigammana</i>	75. A MULTINOMIAL LOGISTIC MODEL TO PREDICT THE SKELETAL PATTERN OF ANTERIOR CROSS BITE IN ORTHODONTIC PATIENTS, <i>GWDA Gunarathne, LS Nawarathna, and VSN Vithanaarachchi</i>	222. A FUZZY INFERENCE MODEL FOR MEASURING THE HAPPINESS LEVEL OF CHILDREN LIVE IN CHILDREN'S HOMES, <i>GST Bandara, PMPC Gunathilake, NK Handegama, and RD Nawarathna</i>
12:50 - 13:10	151. THE TEMPORAL VARIATIONS OF GROUNDWATER QUALITY AND RECHARGE: AN ISOTOPE AND CHEMICAL STUDY IN TWO WATERSHEDS IN THE HARD ROCK TERRAIN OF SRI LANKA, <i>EANV Edirisinghe, HMTGA Pitawala, and HA Dharmagunawardhane</i>	106. USE OF PADDY HUSK ASH IN PRODUCTION OF GARDEN TILES, <i>LCM Chandrasiri and M Danthurebandara</i>	123. SCREENING OF ANTIBIOTIC RESISTANCE BACTERIA AT HOSPITAL EFFLUENT WATER IN SRI LANKA, <i>GY Liyanage and PM Manage</i>	23. A PREDICTIVE MODEL FOR ERUPTION TIME OF PERMANENT DENTITION OF SRI LANKAN CHILDREN IN COLOMBO DISTRICT, <i>A Jayatileke, LS Nawarathna, VSN Vithanaarachchi, and RL Wijeyaweera</i>	
13:10 - 14:20	LUNCH + POSTER				

09th September, 2017 (Saturday) PGIS Research Congress 2017 - Technical Session

LS - Session 1 (BLT)	LS - Session 2 (ZLT)	LS - Session 3 (ZNL)	PS - Session 1 (PGIS-A-3-1)	PS - Session 2 (PGIS-A-3-2)	SE - Session 1 (PGIS-Auditorium)
TEA + POSTER					
Invited Talk 2 - Is Research Worth the Effort? Prof. S.W. Kotagama					
<p>51. IN VITRO PROPAGATION OF <i>Ficus umbellata</i>, <i>P Harrchun</i>, <i>WGVE Jayaweera</i>, <i>SM Nagahawatta</i>, and <i>SL Dalpatadu</i></p>	<p>14. EFFECT OF SOY FLOUR INCORPORATED BREAKFAST FOOD INTAKE ON BODY MASS INDEX, HAEMOGLOBIN AND FASTING BLOOD GLUCOSE IN ADULTS WITH TYPE 2 DIABETES, <i>MPMSH Perera</i>, <i>R Sivakanesan</i>, <i>DTDJ Abeysekara</i>, <i>KH Sarananda</i>, and <i>KFST Silva</i></p>	<p>16. REGENERATION OF FERRITIN RICH TRANSGENIC RICE PLANTS USING IN PLANTA TRANSFORMATION METHOD, <i>HD Delpachithra</i>, <i>WWP Rodrigo</i>, and <i>WTGSL Withana</i></p>	<p>103. PREPARATION OF DYE-SENSITIZED SELF-CLEANING FABRICS USING TiO₂ NANOPARTICLES ADSORBED AND DYED COTTON, <i>Z Ahamed</i>, <i>RBSD Rajapakse</i>, <i>CA Thennakoon</i>, and <i>RMG Rajapakse</i></p>	<p>76. ZERO SEARCHING METHOD FOR THE TRIGONOMETRIC AND HYPERBOLIC WAVE FUNCTIONS OF THE SCHRODINGER EQUATION, <i>K Paliakkara</i></p>	<p>209. SELECTING INFORMATION AND COMMUNICATION TECHNOLOGY AS A BASKET SUBJECT FOR GENERAL CERTIFICATE OF EDUCATION (ORDINARY LEVEL) EXAMINATION, <i>AAUN Samarakoon</i> and <i>TMSKY Ekanayake</i></p>
<p>57. EFFICACY OF ESSENTIAL OILS FOR THE CONTROL OF STEM-END ROT DISEASE IN MANGO (CV. KARUTHA COLOMBAN) FRUITS, <i>AA Kulasinghe</i>, <i>KOLC Karunanayake</i>, and <i>S Somaratne</i></p>	<p>194. RELATIONSHIP BETWEEN FLUORIDE INTAKE AND KIDNEY CELL VIABILITY, <i>WTR Perera</i>, <i>JGS Ranasinghe</i>, <i>K Godakumara</i>, <i>N Alles</i>, and <i>R Waduge</i></p>	<p>190. TaHKT1;5 PREDICTS A MULTIGENE FAMILY OF THREE PUTATIVE FUNCTIONAL GENES IN HEXAPLOID WHEAT, <i>PR Weerasinghe</i> and <i>HACK Ariyaratna</i></p>	<p>159. PHOTOCATALYTIC WATER SPLITTING FOR HYDROGEN PRODUCTION BY Cu DOPED TiO₂, <i>JMCB Jayasinghe</i>, <i>RMG Rajapakse</i>, <i>KGC Senarathna</i>, and <i>RKWHMK Elkaduwe</i></p>	<p>29. RATIONAL ENGINEERING OF HALOALKANE DEHALOGENASE DHAA31 USING MOLECULAR DYNAMICS SIMULATIONS WITH LIGANDS, <i>Z Dunajova</i>, <i>SM Marques</i>, <i>J Brezovsky</i>, and <i>J Damborsky</i></p>	<p>197. TEACHER PERCEPTIONS ON TEACHER MOTIVATION AND TRAINING PROGRAMME, <i>WD Chandrasena</i> and <i>ACA Jayasundera</i></p>
<p>62. ANTIFUNGAL ACTIVITY OF FIVE INVASIVE PLANTS AGAINST <i>Cladosporium</i> sp. AND <i>Colletotrichum musae</i>, <i>VGAU Samarasinghe</i>, <i>N. Bandara</i>, <i>JW Damunupola</i>, <i>DSA Wijesundara</i>, and <i>BMR Bandara</i></p>	<p>96. A PRELIMINARY STUDY OF THE COMPOSITION OF COMMON BILE DUCT STONES, <i>IU Wijethungaarachchi</i>, <i>TRT Weerasinghe</i>, <i>JGS Ranasinghe</i>, <i>HMGTA. Pitawala</i>, <i>WSL de Silva</i>, and <i>GDSS Gamage</i></p>	<p>198. INDIRUBIN-3'-MONOXIME INDUCES CELL DEATH VIA PARAPTOSIS IN MDA-MB-231 BREAST CANCER CELLS; INVOLVEMENT OF CHOP-MEDIATES ER STRESS, ROS AND PROTEASOME DYSFUNCTION, <i>MG Dilshara</i> and <i>RGPT Jayasooriya</i></p>	<p>200. SYNTHESIS OF LAYERED γ-ALUMINA STRUCTURE BY USING METAL ORGANIC FRAMEWORK MIL-53(AI)-FA, <i>WDKK Gnanarathna</i> and <i>ACA Jayasundera</i></p>	<p>86. PERFORMANCE VARIATIONS IN BCI DUE TO THE CHANGES IN CUE LOCATION DURING TRAINING, <i>V Bandara</i> and <i>A Nanayakkara</i></p>	<p>124. USE OF INFORMATION COMMUNICATION TECHNOLOGY ASSISTED TEACHING AND LEARNING KIT TO ENHANCE GRADE 11 STUDENTS' CONCEPTUAL UNDERSTANDING OF THE UNIT ON HEREDITY, <i>VS Samarawickrama</i> and <i>TMSY Ekanayake</i></p>
<p>133. DEVELOPING A PROTOCOL FOR SOMATIC EMBRYOGENESIS IN IMPORTED VARIETY OF POMEGRANATE (<i>Punicagranatum</i>), <i>KGL Manjitha</i> and <i>LGI Samanmalee</i></p>	<p>56. EFFECTS OF FAMILY HISTORY OF CHRONIC KIDNEY DISEASE AND UNHEALTHY HABITS ON THE PREVELANCE OF CHRONIC KIDNEY DISEASE OF UNCERTAIN AETIOLOGY, <i>WBNT Fernando</i>, <i>HTK Abeysundara</i>, <i>AT Herath</i>, <i>KRD Hamage</i>, <i>TW Hettiarachchi</i>, <i>SHT Sudeshika</i>, <i>DPGS Kumudumali</i>, <i>MZ Badurdeen</i>, <i>DTDJ Abeysekara</i>, and <i>N Nanayakkara</i></p>	<p>234. PATTERNS OF CARDIO-METABOLIC RISK FACTORS AND ANTIOXIANT MARKERS IN DYSGLYCAEMIC INDIVIDUALS, <i>HP Gunawardena</i>, <i>KDRR Silva</i>, and <i>R Sivakanesan</i></p>	<p>201. STRUCTURAL ANALYSIS OF REDUCED GRAPHENE OXIDE WITH TRANSMISSION ELECTRON MICROSCOPY, <i>D Dahanayake</i>, <i>S Gunasekara</i>, <i>V Jayaweera</i>, <i>V Karunaratne</i>, and <i>GAJ Amaratunga</i></p>	<p>113. A QUASI-SOLID STATE ELECTROLYTE BASED ON ETHYLENE GLYCOL AND LiBOB, <i>AMS Dissanayake</i>, <i>VA Seneviratne</i> and <i>LRAK Bandara</i></p>	<p>193. ISSUES OF TEACHING PHYSICS EXPERIMENTS IN GENERAL CERTIFICATE OF EDUCATION (ADVANCED LEVEL): A CASE STUDY IN TAMIL MEDIUM SCHOOLS IN NUWARA-ELIYA DISTRICT, <i>S Priyadarshini</i>, <i>P Liyanage</i> and <i>WD Chandrasena</i></p>
	<p>60. EFFECT OF SERUM FERRITIN LEVEL ON HEALTH STATUS OF BETA THALASSEMIA MAJOR PATIENTS, <i>AMDS Karunaratna</i> <i>JGS Ranasinghe</i>, <i>RM Mudiyanse</i>, <i>JMNS Nawaratna</i>, and <i>MCN Perera</i></p>	<p>91. SEED AMYLOSE CONTENT AND PROXIMATE ANALYSIS OF SEED-DERIVED FLOUR OF SRI LANKAN CYCADS, <i>MMAWP Mudannayake</i>, <i>SDSS Sooriyapathirana</i>, <i>P Samaraweera</i>, <i>HACK Ariyaratne</i>, and <i>GAD Perera</i></p>	<p>158. SYNTHESIS AND CHARACTERIZATION OF HOMOLOGOUS SERIES OF PHENYL BENZOATES WITH LIQUID CRYSTALLINE PROPERTIES, <i>IH Ismail</i>, <i>JMS Jayasinghe</i> and <i>ADLC Perera</i></p>	<p>3. DURABILITY OF A REDOX CAPACITOR BASED ON A GEL POLYMER ELECTROLYTE, <i>WADSS Weerasinghe</i>, <i>KP Vidanapathirana</i> and <i>KS Perera</i></p>	
LUNCH + POSTER					

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	ESS - Session 1 (PGIS-New-B-3-3)	ESS - Session 2 (PGIS-New-B-3-2)	ESS - Session 3 (PGIS-New-B-3-1)	ICTMS - Session 1 (PGIS-New-A-1-1)	ICTMS - Session 2 (PGIS-New-A-1-2)
13:10 - 14:20	LUNCH + POSTER				
14:20 - 14:40	<p>203. IDENTIFICATION OF WATER SCARCITY AND QUALITY ISSUES ALONG WITH IMPACT OF CHRONIC KIDNEY DISEASE DUE TO UNKNOWN AETIOLOGY (CKDu), ON INSTITUTIONAL CULTUF23:G27RE - WITH SPECIAL REFERENCE TO NORTH CENTRAL PROVINCE, <i>TD Jayasinghe, HRLC Bandara, AMTD Abeykoon, NI Wickramasinghe, and WBMLI Weerasekara</i></p>	<p>162. GEOCHEMISTRY OF PADDY AND GARDEN SOILS FROM AREAS WITH HIGH INCIDENCE OF CHRONIC KIDNEY DISEASE OF UNCERTAIN AETIOLOGY (CKDu), <i>S Balasooriya, S Wickramarathna, AMCPK Attanayaka, and R. Chandrajith</i></p>			
14:40 - 15:00	<p>220. GROUNDWATER DEVELOPMENT IN HARD ROCK AQUIFERS IN SRI LANKA- A CASE STUDY IN VAVUNIYA AREA, <i>HMKJ Herath, KKSa Withanage, KAW Kodituwakku, and J Gunatilake</i></p>	<p>19. Pb(II) ADSORPTION ON BATALAGODA PADDY SOIL IN THE PRESENCE OF COMMERCIAL GLYPHOSATE, <i>T Divisekara, AN Navaratne, and ASK Abeysekara</i></p>			
15:00 - 15:20	<p>230. THE SPATIAL DISTRIBUTION AND ABUNDANCE OF GREEN MUSSEL (<i>Perna viridis</i>) IN CHINA BAY AND KINNIYA OF TRINCOMALEE DISTRICT, <i>C Shiham, KKSa Withanage, and J Gunatilake</i></p>	<p>84. LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY (LC-MS/MS) FOR THE DETERMINATION OF AQUEOUS PHASE GLYPHOSATE AND AMINOMETHYL PHOSPHONIC ACID - VALIDATION OF DIRECT AND FAST METHOD, <i>S Malavipathirana, AN Navarathne, MNA Mubarak, and DATWK Dissanayake</i></p>			
15:20 - 15:40	<p>160. A FLOOD MITIGATION PLAN FOR WATAWALA IN NUWARAELIYA DISTRICT, SRI LANKA, <i>KW Dharmasena, and KDW Nandalal</i></p>	<p>202. LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROSCOPY (LC-MS/MS) METHOD FOR THE DETERMINATION OF CHLORAMPHENICOL, A BANNED VETERINARY ANTIBIOTIC IN SHRIMPS- A PRELIMINARY APPROACH, <i>S Malavipathirana, MNA Mubarak, DATWK Dissanayake, and DCP Manamperi</i></p>			
15:40 - 16:00		<p>9. USE OF CHEMICAL PURIFICATION TO UPGRADE SRI LANKAN VEIN GRAPHITE FOR LI-ION RECHARGEABLE BATTERY APPLICATIONS, <i>TC Senevirathna, HWMAC Wijayasinghe, NWB Balasooriya, HMTGA Pitawala</i></p>			
16:00 - 16:20					

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LS - Session 1 (BLT)	LS - Session 2 (ZLT)	LS - Session 3 (ZNL)	PS - Session 1 (PGIS-A-3-1)	PS - Session 2 (PGIS-A-3-2)	SE - Session 1 (PGIS-Auditorium)
LUNCH + POSTER					
<p>131. PHYSICO-CHEMICAL PARAMETERS AND TOTAL ALKALOIDS OF STEM AND ROOT PARTS OF <i>Justicia adhatoda</i> (ADHATHODA) USED IN THE PREPARATION OF HERBAL DRUGS, <i>WMAS Wellawatta, M Munasingha, P Jeewandara, and TK Nawarathna</i></p>	<p>154. INSECTICIDE RESISTANCE OF BED BUG <i>Cimex hemipterus</i> IN INFESTED HOSTELS OF UNIVERSITY OF PERADENIYA, SRI LANKA, <i>GPHR Dhananji, KMUJ Bandara, NWNP Nugapola, WAPP de Silva and SHPP Karunaratne</i></p>	<p>47. THE DETECTION OF LOW QUALITY TIMBER ADULTERANTS FOR TEAK USING MORPHOMETRIC TRAITS AND LENGTH POLYMORPHISM IN DNA BARCODING LOCUS <i>TrnH-PsbA, SK Kannangara, T Balasubramaniam and SDSS Sooriyapathirana</i></p>	<p>20. HPLC DETERMINATION OF SESAMIN AND COLOUR OF SESAME OILS PRODUCED USING SEKKU TECHNOLOGY AND MEDIUM-SCALE SCREW EXPELLER TECHNOLOGY, <i>RMMSB Rathnayake, R Shanthini, and AMW Menike</i></p>		<p>83. INVESTIGATION OF TEACHERS' AND STUDENTS' PERCEPTIONS ON STUDENTS' INDIVIDUAL SCIENCE PROJECTS OF GENERAL CERTIFICATE OF EDUCATION (ADVANCED LEVEL): A CASE STUDY IN KANDY EDUCATIONAL ZONE, <i>PMJR Piyatissa and WD Chandrasena</i></p>
<p>137. ANTIOXIDANT ACTIVITY, TOTAL PHENOLIC CONTENT AND TOXICITY OF THREE ALIEN INVASIVE PLANT EXTRACTS, <i>Uththamawadu, VGAU Samarasinghe, NC Bandara, DSA Wijesundara, and BMR Bandara</i></p>	<p>177. SYSTEMATIC RELATIONSHIPS AND TAXONOMY OF <i>Bandicota</i> SPECIES AND SUBSPECIES FROM SRI LANKA, <i>PPC Hemamal and S Meegaskumbura</i></p>	<p>235. DETERMINATION OF THE TOXICITY OF POLYETHOXYLATED TALLOW AMINE (POE-15) AND COMMERCIAL GLYPHOSATE USING IN-VITRO STUDIES WITH HAMSTER'S KIDNEY CELL LINE, <i>UND Uduwela, AN Navaratne, H Kothalawala, HA Vijithasiri, WMMBK Jayathilake, and DMM Darshani</i></p>	<p>212. EFFECTS OF SELECTED STABILIZERS AND DIFFERENT STORAGE TEMPERATURES ON THE PHYSICAL & SENSORY PROPERTIES OF CANNED COCONUT MILK, <i>KS Weerathunga, RJKU Ranatunga, and KE Udayathilaka</i></p>		<p>89. FEASIBILITY OF INCORPORATING ECOLOGICAL FIELD VISITS TO TEACH ENVIRONMENTAL BIOLOGY IN GENERAL CERTIFICATE OF EDUCATION (ADVANCED LEVEL) SYLLABUS, <i>C Elango and AMTA Gunaratane</i></p>
<p>156. STRUCTURALLY DIVERSE METABOLITES FROM AN ENDOPHYTIC FUNGUS <i>Aspergillus fumigatus</i> ISOLATED FROM SOLANUM INSANUM, <i>MVK Munasinghe, NS Kumar, L Jayasinghe, H Araya, Y Fujimoto</i></p>	<p>148. PHYLOGENETIC GROUP DISTRIBUTION OF HUMAN FAECAL <i>Escherichia coli</i> IN KANDY DISTRICT, SRI LANKA, <i>BNLD Rangama, CL Abayasekara, DM Gordon, and S Rajapakse</i></p>	<p>140. SEARCH FOR ACETYLCHOLINESTERASE INHIBITORS FROM SRI LANKAN SPICES, <i>S Sathya, MM Qader, L Jayasinghe, and NR Amarasinghe</i></p>	<p>161. UPTAKE OF MICRONUTRIENTS BY COCONUT PALM UNDER TWO DIFFERENT FERTILIZER PRACTICES, <i>MKF Nadheesha, THUDS Gunasekara, N Priyantha, and A Wickramasinghe</i></p>		<p>93. TEACHER AND STUDENT PERCEPTIONS AND CHALLENGES IN IMPLEMENTATION OF 'SCIENCE FOR TECHNOLOGY' FOR STUDENTS IN GENERAL CERTIFICATE OF EXAMINATION (ADVANCED LEVEL): A CASE STUDY IN CENTRAL PROVINCE, <i>RARNP Ranatunge and HMSP Madawala</i></p>
<p>169. ANTIFUNGAL ACTIVITY OF <i>Mikania micrantha</i> Kunth (ASTERACEAE) AND <i>Clidemia hirta</i> (L.) D. DON. (MELASTOMATACEA) PLANT EXTRACTS, <i>TCMF Karunaratne, JW Damunupola, and BMR Bandara</i></p>	<p>5. A PRELIMINARY STUDY ON THE PHYLOGENY OF TWO CLOSELY RELATED CRAB SPIDER GENERA IN SRI LANKA (ARANEAE: THOMISIDAE), <i>IS Ileperuma Arachchi, N Athukorala, and SP Benjamin</i></p>	<p>97. A PRELIMINARY STUDY OF THE STRUCTURE OF COMMON BILE DUCT STONES, <i>TRT Weerasinghe, IU Wijethungaarachchi, HMGTA Pitawala, JGS Ranasinghe, WSL de Silva and GDDS Gamage</i></p>			<p>192. RELATIONSHIP BETWEEN BIOLOGY STUDENTS' GENERAL CERTIFICATE OF EDUCATION EXAMINATION RESULTS (ADVANCED LEVEL) AND THEIR SCIENCE AND MATHEMATICS RESULTS AT THE GENERAL CERTIFICATE OF EDUCATION EXAMINATION (ORDINARY LEVEL): A CASE STUDY IN BANDARAWELA EDUCATIONAL ZONE, <i>BHACK Hettiarachchi, WD Chandrasena and ACA Jayasundera</i></p>
<p>164. ANTICANDIDAL ACTIVITY OF THREE PLANTS USED FOR TREATING DIABETES IN INDIGENOUS MEDICINE, <i>LCPT Liyanaarachchie, D Kanatiwela, L Jayasinghe, M Gunatilake, and BMR Bandara</i></p>	<p>6. A PRELIMINARY STUDY ON MOLECULAR DIVERSITY OF CHRYSILLINES (ARANEAE: SALTICIDAE) IN SRI LANKA, <i>N Kanesharatnam, N Athukorala and SP Benjamin</i></p>	<p>35. EVIDENCE FOR CHIKUNGUNYA VIRUS INFECTION IN CLINICALLY DIAGNOSED DENGUE PATIENTS, <i>S Biriyanigari, K Murugananthan, and F Noordeen</i></p>			
		<p>138. PRELIMINARY ANALYSIS OF CASE RECORDS OF DOG BITES REPORTED TO THE BASE HOSPITAL, AVISSAWELLA DURING 2010-2013, <i>GRN Harshani and A Dangolla</i></p>			

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Science Education (SE)

232. BARRIERS AFFECTING STUDENTS' PERFORMANCE IN BIOLOGY OF GENERAL CERTIFICATE OF EDUCATION (ORDINARY LEVEL): A CASE STUDY IN HANGURANKETHA EDUCATIONAL ZONE, TD
Sinharachchi, WD Chandrasena, SCK Rubasinghe

Life Sciences (LS)

55. CYTOTOXIC PROPERTIES OF SRI LANKAN VARIETIES OF FINGER MILLET (*Eleusinecoracana*), SAS
Jayawardana, JKRR Samarasekera, MI Choudhary, R Imad, GHCM Hettiarachchi, and J Gooneratne

119. RELATIONSHIP BETWEEN SLEEP HABITS AND ACADEMIC PERFORMANCE AMONG UNDERGRADUATES OF THE FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF PERADENIYA, APA
Jayasinghe and TP Gamagedara

120. DO LIQUID CULTURES OF *Monacrosporium ambrosium*, ECTOSYMBIOTE OF *Xyleborus fornicatus* (SHOT HOLE BORER) OF *Camellia sinensis* (TEA), HAVE AN EFFECT ON CAFFEINE? CL
Kehelpannala, NS Kumar, L Jayasinghe and PAN Punyasiri

127. CHEMICAL AND BIOLOGICAL INVESTIGATION OF METABOLITES FROM AN ENDOPHYTIC FUNGI
Phialemonium curvatum FROM *Passiflora edulis*, GRN
Rathnayake, NS Kumar, L Jayasinghe, H Araya, and Y Fujimoto

144. QUANTIFICATION OF AIRBORNE BACTERIAL AND FUNGAL COMMUNITIES IN SELECTED AREAS OF KANDY TEACHING HOSPITAL, SRI LANKA - A PRELIMINARY STUDY, P
Sivagnanasundaram, RWK Amarasekara, RMD Madegedara, EMUA Ekanayake and DN Magana-Arachchi

149. THERMAL REQUIREMENT TO BREAK PHYSICAL DORMANCY IN SEEDS OF TWO *Acacia* SPECIES, IMLP
Herath, NS Gama-Arachchige

153. SECONDARY METABOLITES PRODUCED BY AN ENDOPHYTIC FUNGUS *Xylaria berterii* FROM *Piper nigrum* LEAVES, MVK
Munasinghe, NS Kumar, L Jayasinghe, H Araya and Y Fujimoto

199. I3M SUPPRESSES NLRP3 AND NLRP1 INFLAMMASOMES ACTIVATION IN BV2 MICROGLIA CELLS, MG
Dilshara and RGPT Jayasooriya

205. CHEMICAL INVESTIGATION OF THE LEAVES OF *Monochoria vaginalis*, MM
Qader, V Ileperuma, HMSKH Bandara, A Ratnatilleke, D Yakandawala, NS Kumar, L Jayasinghe, H Araya, Y Fujimoto

Physical Sciences (PS)

25. PERFORMANCE OF A POLY(3,4-ETHYLENEDIOXYTHIOPHENE) BASED REDOX CAPACITOR. WADSS
Weerasinghe, KP Vidanapathirana, and KS Perera

114. IMPROVED ELECTROCHEMICAL PERFORMANCE OF Ba-SUBSTITUTED $\text{NaNi}_{0.4}\text{Mn}_{0.4}\text{Co}_{0.2}\text{O}_2$ CATHODE MATERIAL FOR SODIUM-ION BATTERIES. RICN
Karunaratne, HWMAC Wijayasinghe, and MAKL Dissanayake

116. SILVER NANOARTICLE INCORPORATED CERAMIC FILTER MATERIAL FOR WATER FILTERATION. JST
Wickramasinghe, BMK Pemasiri, SCK Rubasinghe, and BS Dassanayake

130. A STUDY ON FABRICATION AND CHARACTERIZATION OF CdTe/CdS THIN FILM SOLAR CELLS. PKK
Kumarasinghe, WGC Kumara, RKKGRG Kumarasinghe, KLG Sankalpa, and BS Dassanayake

134. APPLICATION OF THE NATURAL PIGMENT OF *Adenantha pavoninain* DYE SENSITIZED SOLAR CELLS. S
Gamage, S Perera, GRA Kumara, and IR Perera

142. PREPARATION AND CHARACTERIZATION OF HIGHLY POROUS TITANIA, NANO COMPOSITES AND THEIR APPLICATIONS. AU
Malikaramage, RBDS Rajapakse, and RMG Rajapakse

Earth and Environmental Sciences (EES)

10. VARIATION OF CATIONIC DYE ABSORPTION CAPACITY WITH SINTERING TEMPERATURE OF THREE NATURAL KAOLINITE VARIETIES FROM SRI LANKA, GDK
Heshan, HWMAC Wijayasinghe, and R Weerasooriya

38. REMOVAL OF FLUORIDE FROM AQUEOUS SOLUTION BY POROUS CALCIUM CARBONATE NANOPARTICLES, KGMD
Abeykoon, SP Dunuweera, and RMG Rajapakse

178. POSSIBLE CAUSATIVE FACTORS OF DENTAL FLUOROSIS IN THE MONARAGALA DISTRICT, DSM
Attanayake, and GWARD Fernando

181. DIVERSITY AND ABUNDANCE OF MARINE PLANKTON AND HYDROGRAPHY IN SOUTHERN BAY OF BENGAL, YP
Kumara, HB Jayasiri, and GWARD Fernando

217. HYPOTHETICAL MODEL FOR TRANSFORMATION OF ELLIPSOIDAL HEIGHT TO MEAN SEA LEVEL HEIGHT, MMG
Weerasiri, KKSA Withanage, S Sivanantharajah, and J Gunatilake

219. AUTOMATED GENERALIZATION OF A 1:10K MAP WITH BUILDING, LANDUSE AND CONTOUR DATA FOR THE PRODUCTION OF 1:50K DATA, GHM
Perera, KKSA Withanage, S Sivanantharajah, and J Gunatilake

