



# PROGRAMME GUIDE

# PGIS RESEARCH CONGRESS

## 2016

7<sup>th</sup> and 8<sup>th</sup> October 2016

Earth and Environmental Sciences

ICT, Mathematics and Statistics

Life Sciences

Physical Sciences

Science Education

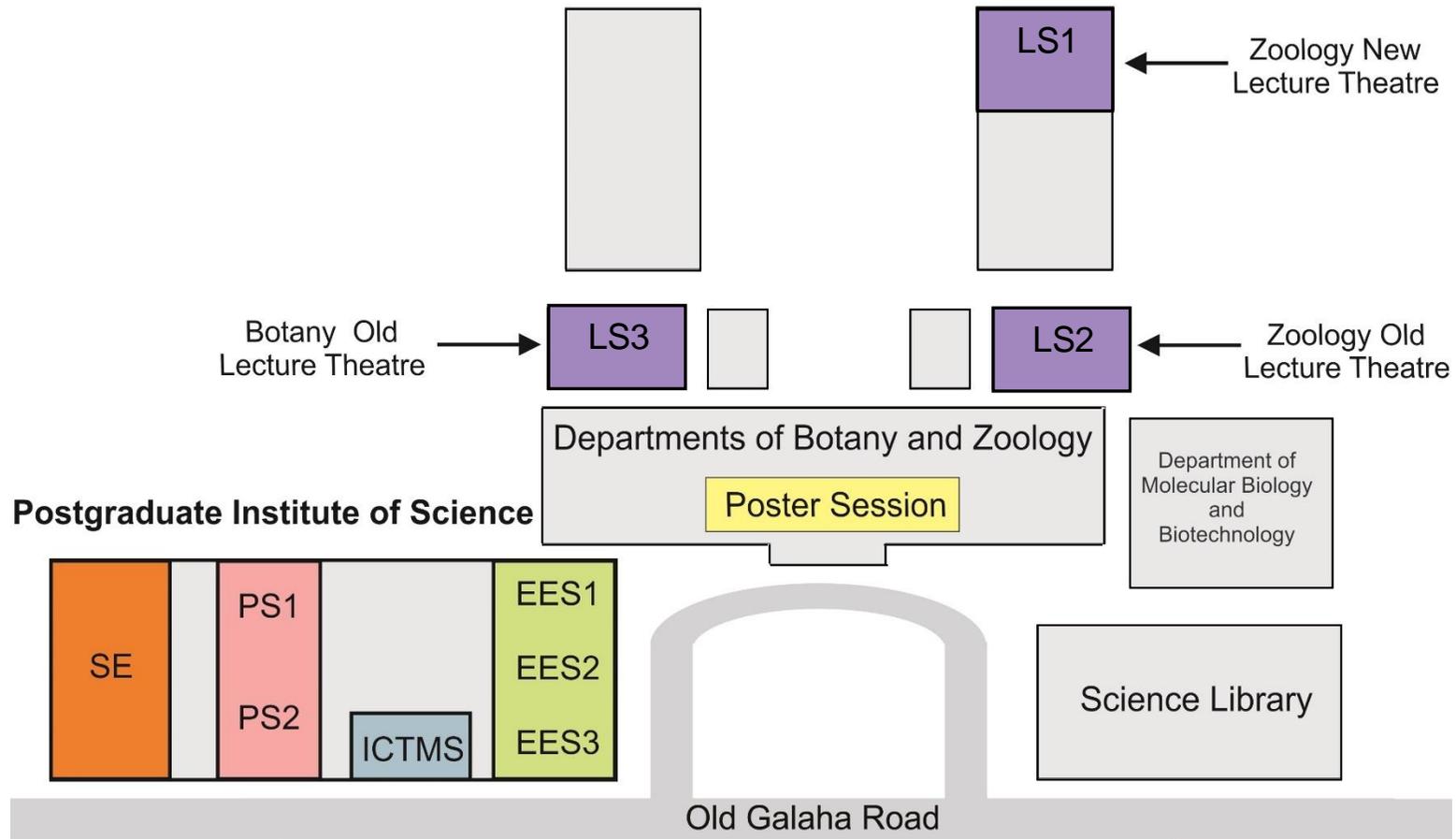
CONGRESS  
RESEARCHESSES



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## PGIS Research Congress 2016 – Session Venue Map



Session Theme	Session - Venue		
Earth & Environmental Sciences (EES)	Session EES 1 - Room B.3.1	Session EES 2 - Room B.3.2	Session EES 3 - Room B.3.3
ICT, Mathematics & Statistics (IMS)	Session IMS - Room A.1.2		
Life Sciences (LS)	Session LS 1- Zoology New Theatre	Session LS2 - Zoology Old Theatre	Session LS 3 – Botany Old Theatre
Physical Sciences (PS)	Session PS 1 – Room A.3.1	Session PS 2 – Room A.3.2	
Science Education (SE)	Session SE – PGIS Auditorium		
Poster Session	Botany and Zoology Lobby Area		

## PGIS Research Congress 2016 Technical Sessions - Saturday 8<sup>th</sup> October 2016

Theme		Earth and Environmental Science			ICTMS	Life Sciences			Physical Sciences		Science Education	
Time	Time	Registration										
7:30	8:15	Registration										
8:20	8:40	ID 47	ID 140	ID 102	ICTMS1	LS1			PS2		SE1	
8:40	9:00	ID 155	ID 138	ID 177								
9:00	9:20	ID 122	ID 139	ID 106	ID 43	ID 77	ID 130	ID 23	ID 146	ID 172	ID 25	
9:20	9:40	ID 17	ID 136	ID 90	ID 163	ID 81	ID 179	ID 78	ID 36	ID 174	ID 162	
9:40	10:00	EES1			ID 3	ID 120	ID 14	ID 58	ID 44	ID 175	ID 99	
10:00	10:20				ID 4	ID 42	ID 20	ID 158	ID 48	ID 176		
10:20	10:50	Morning Tea										
10:50	11:10	EES2			ID 41	ID 83	ID 53		PS1	PS3	ID 164	
11:10	11:30				ID 74	ID 15	ID 56				ID 185	
11:30	11:50	ID 109	ID 46	ID 134	ID 18	ID 87	ID 84		ID 147	ID 107	ID 184	
11:50	12:10	ID 169	ID 121	ID 182	ID 21	ID 32	ID 68		ID 181	ID 171	ID 156	
12:10	12:30	ID 132	ID 79	ID 95	ID 63	ID 82	ID 35		ID 22	ID 152	ID 168	
12:30	1:00	Poster Session										
1:00	1:00	Lunch										
2:00	2:20	ID 9	ID 51	ID 151	ID 183	ID 19	ID 28		ID 61	ID 30	ID 165	
2:20	2:40	ID 7	ID 55	ID 45	ID 104	ID 71	ID 125		ID 6	ID 100	ID 170	
2:40	3:00	ID 178	ID 24	ID 144	ID 40	ID 131	ID 133		ID 34	ID 97	ID 115	
3:00	3:20	ID 145	ID 103	ID 186	ID 116	ID 94	ID 142		ID 62	ID 119	ID 118	
3:20	3:40	ID 154	ID 57	ID 110		ID 108	ID 80		ID 70	ID 26	ID 86	
3:40	4:00	ID 153	ID 112			ID 124			ID 72	ID 60		
4:00	4:20		ID 135			ID 66			ID 129	ID 150		
4:20	4:40								ID 180			
4:40		Afternoon Tea										

## 08<sup>th</sup> October, 2016 (Saturday) PGIS Research Congress 2016 – Technical Session 1

07:30 – 08:15	Registration				
	EES 1(B.3.1)	EES 2 (B.3.2)	EES 3 (B.3.3)	ICTMS(A.1.2)	LS1(ZOOLOGY NEW)
08:20 – 08:40	RECOMMENDATIONS TO REHABILITATE WILAKANDIYA TANK, MAHIYANGANA, SRI LANKA (ID 47) <i>DMPK Gunasekara, IDS Samarasuriya and J Gunatilleke</i>	NUMERICAL SIMULATION AND GIS BASED ANALYSIS FOR DEBRIS FLOW MODELING: A CASE STUDY FROM BADULLA DISTRICT (ID 140) <i>MGNR Karunasena, J Gunatilleke and Y Wu</i>	TEMPERATURE TRENDS IN SRI LANKA (ID 102) <i>G Naveendrakumar, J Obeysekera and M Vithanage</i>	Invited Lecture (ICTMS): 'ACADEMIC AND INDUSTRIAL APPLICATIONS OF DATA SCIENCE AND MODERN ARTIFICIAL INTELLIGENCE' <i>R Batuwita</i>  Time : 8.20 – 8.50 Venue : A.1.2	Invited Lecture (LS) : 'LEPTOSPIROSIS IN SRI LANKA: KNOWN TO UNKNOWN' <i>S.B. Agampodi</i>  Time : 8.20 – 8.50 Venue : Zoology Old Theatre
08:40 – 09:00	EVALUATION OF BUILDING EXTRACTION METHODS FROM HIGH-RESOLUTION SATELLITE IMAGERIES: A CASE STUDY (ID 155) <i>K Thulasivarman, J Gunatilleke and KKSA Withanage</i>	DETERMINATION OF THE QUASI GEOID OF SRI LANKA BASED ON EGM2008 (ID 138) <i>NSWSP Nanayakkara, J Gunatilleke and KKSA Withanage</i>	GEOCHEMICAL CHARACTERISTICS OF SEDIMENTS OF TRIBUTARIES OF MAHAWELI RIVER DOWNSTREAM OF POLGOLLA: A PRELIMINARY STUDY (ID 177) <i>AGP Aravinna, N Priyantha, HMTGA Pitawala and SK Yatigammana</i>		
09:00 – 09:20	MID HOLOCENE SEA LEVEL HIGH STAND RECORDED IN DELFT ISLAND, SRI LANKA (ID 122) <i>T Ambillapitiya, PN Ranasinghe, AAC Priyantha, YN Jayarathne and CHER Siriwardena</i>	SPATIAL AND TEMPORAL ANALYSIS OF MALARIA INCIDENCE IN ANURADHPURA DISTRICT (ID 139) <i>GAMD Gunarathna, J Gunatilleke, U Indika and KKSA Withanage</i>	DISTRIBUTION, ABUNDANCE AND ENVIRONMENTAL PREFERENCE OF CYANOBACTERIA AND DINOFLAGELLATA IN RESERVOIRS OF SRI LANKA (ID 106) <i>PAAPK Senanayake, and SK Yatigammana</i>	HYBRID WRAPPER-FILTER METHOD FOR GENE SELECTION IN CANCER CLASSIFICATION (ID 43) <i>MNF Fajila and RD Nawarathna</i>	<i>Austroepatorium inulifolium</i> ALTERS SOIL MICROBIAL POPULATION TO FACILITATE ITS OWN GROWTH (ID 77) <i>J Karumaratne and HMSM Madawala</i>
09:20 – 09:40	A MULTI-PROXY HIGH-RESOLUTION APPROACH TO RECONSTRUCT HOLOCENE ENVIRONMENTAL CHANGES IN THE WEST COAST OF SRI LANKA (ID 17) <i>K Gayantha, J Routh and R Chandrajith</i>	ESTIMATION OF PADDY CULTIVATED AREAS USING REMOTE SENSING IN PALLEPOLA DIVISIONAL SECRETARIAT, SRI LANKA (ID 136) <i>NA Ekanayake, J Gunatilleke, S Sivanantharajah and KKSA Withanage</i>	EFFECTS OF TOPOGRAPHIC VARIABLES ON ABOVE-GROUND BIOMASS IN SINHARAJA FOREST, SRI LANKA (ID 90) <i>AK Palipana, KGAK Ekanayake, IAUN Gunatilleke and SAR Punchi-Manage</i>	A NOVEL METHOD TO ENHANCE MAMMOGRAMS FOR ABNORMALITY DETECTION (ID 163) <i>AS Amarasinghe and RD Nawarathna</i>	OCCURANCE OF SPECIES OF THE FAMILY ORCHIDACEAE IN DOTHALUGALA MAN AND BIOSPHERE RESERVE, SRI LANKA (ID 81) <i>WAMP Ariyaratne, D Yakandawala, R Samuel and DSA Wijesundara</i>
09:40 – 10:00	Invited Lecture (EES1): 'BIOANALYTICAL TOOLS FOR EVALUATING GENOTOXIC HAZARD OF INDUSTRIAL EFFLUENTS DISCHARGE INTO INLAND SURFACE WATERS IN SRI LANKA' <i>A. Pathiratne</i>			FITTING A STATISTICAL MODEL AND GENERATING A LANDSLIDE SUSCEPTIBILITY MAP FOR BADULLA DISTRICT (ID 3) <i>GJMSR Jayasinghe, P Wijekoon and J Gunatilleke</i>	DIVERSITY AND DISTRIBUTION OF TRENTPOHLIALES ALGAE IN SRI LANKA (ID 120) <i>KKY Dilhani and GAD Perera</i>
10:00 – 10:20				Time : 09:50 – 10:20 Venue : B.3.2	STATISTICAL METHODS FOR ASSESSING AGREEMENT BETWEEN MULTIPLE METHODS OF HETEROSEDASTIC CLINICAL MEASUREMENTS (ID 4) <i>ID Dassanayake, LS Nawarathna and BMSC Basnayake</i>
10:20 – 10:50	Morning Tea				

## 08<sup>th</sup> October, 2016 (Saturday) PGIS Research Congress 2016 – Technical Session 1

Registration				
LS 2 (ZOOLOGY OLD)	LS 3 (BOTANY OLD)	PS 1 (A.3.1)	PS 2 (A.3.2)	SE (PGIS AUDITORIUM)
Invited Lecture (LS) : 'LEPTOSPIROSIS IN SRI LANKA: KNOWN TO UNKNOWN' <i>S.B. Agampodi</i> Time : 8:20 – 8:50 Venue : Zoology Old Theatre		Invited Lecture (PS2): 'EFFECT OF ATOMISTIC DEFECTS INTRODUCED IN HOPG ON OXYGEN REDUCTION REACTION' <i>M. Yoshimura</i> Time : 8:20 – 8:50 Venue : A.3.1		Invited Lecture (SE): 'STATUS OF TEACHING AND LEARNING SCIENCE IN SRI LANKAN SCHOOLS' <i>W.G. Karunaratne</i> Time : 8:20 – 8:50 Venue : PGIS Auditorium
INDOLE-3-ACETIC ACID FROM AN ENDOPHYTIC FUNGUS <i>Colletotrichum siamense</i> FROM <i>Piper nigrum</i> LEAVES (ID 130) <i>MVK Munasinghe, NS Kumar, L Jayasinghe and Y Fujimoto</i>	DIVERSITY, DISTRIBUTION AND STATUS OF MANGROVES IN THE EASTERN COAST OF SRI LANKA (ID 23) <i>MGM Prasanna, KB Ranawana and KMGG Jayasuriya</i>	INFRA RED PROBING METHOD TO IDENTIFY HETEROGENEOUS SITES WITH IODIDE PROBE (ID 146) <i>V Pathirana, A Herath, M Makehelwala, L Jayaratne, A Bandara and R Weerasooriya</i>	TiO <sub>2</sub> -MULTI LAYER GRAPHENE COMPOSITE AS AN ANODE MATERIAL FOR LITHIUM ION BATTERIES (ID 172) <i>R Madhusanka, L Sandaruwan, N Gunawardhana and M Yoshio</i>	AUTHENTIC WAYS OF UPGRADING PROSPECTIVE TEACHER EDUCATION THROUGH ENVIRONMENT-BASED ACTIVITIES (ID 25) <i>RPP Lenora, AN Navaratne and UM Sedere</i>
MONTMORILLONITE COMPOSITES OF BRUCINE: INTERCALATION, RELEASING AND TOXICITY (ID 179 ) <i>MNA Niyaf, NC Bandara and BMR Bandara</i>	DIVERSITY OF ORCHID GENERA <i>Dendrobium</i> AND <i>Bulbophyllum</i> IN SELECTED LOCATIONS IN SRI LANKA (ID 78) <i>PMH Sandamali, SP Senanayake, SP Benjamin, S Rajapakse and NP Athukorala</i>	DEVELOPING AN ECONOMICAL SPILL-KIT FOR NEUTRALIZING HARMFUL LIQUIDS (ID 36) <i>NAPF Rizmiya, SS Gunathilake and RJKU Ranatunga</i>	IONIC CONDUCTIVITY AND THERMAL STUDIES ON POLY (ETHYLENE OXIDE)-LITHIUM PERCHLORATE POLYMER ELECTROLYTE (ID 174) <i>KK Wimalaweera, VA Seneviratne and MAKL Dissanayake</i>	MOTIVATION OF TEACHERS THROUGH SCIENCE TEACHER TRAINING PROGRAMMES (ID 162) <i>AAUN Samarakoon, WD Chandrasena and ACA Jayasundera</i>
SUBCRITICAL WATER EXTRACTION OF PHENOLIC SUBSTANCES FROM FIVE PLANT SOURCES (ID 14) <i>CM Senanayake, KN Seneviratne and BM Jayawardena</i>	SPATIAL STRUCTURE AND INTRASPECIFIC ASSOCIATIONS OF TREE SPECIES AT DIFFERENT LIFE STAGES IN SINHARAJA RAIN FOREST, SRI LANKA (ID 58) <i>WMN Wickramasinghe, IAUN Gunatilleke and SAR Punchi Manage</i>	ENHANCEMENT OF NICKEL (II) REMOVAL USING CHEMICALLY MODIFIED COIR DUST (ID 44) <i>HANS Chandrasoma and N Priyantha</i>	SYNTHESIS AND ELECTRICAL CHARACTERIZATION OF A SODIUM BASED GEL POLYMER ELECTROLYTE (ID 175) <i>SGID Dayananda, LRAK Bandara, VA Seneviratne and AMIE Gunathilaka</i>	AMALGAMATION OF TRADITIONAL MEDICINE TO SCIENCE CURRICULUM: PERCEPTIONS OF INTELLECTUALS AND STUDENTS (ID 99) <i>TNP Jayarathna, KMGG Jayasuriya and RSJP Uduporuwa</i>
PREPARATION AND CHARACTERIZATION OF LINAMARIN ENCAPSULATED CHITOSAN NANOPARTICLES (ID 20) <i>IHV Nicholas, V Karunaratne, GAJ Amaratunga and DN Karunaratne</i>	PRELIMINARY EVALUATION OF THE EFFECT OF AIR POLLUTION ON LICHEN DIVERSITY AND PRODUCTION OF SECONDARY METABOLITES (ID 158) <i>WGDJ Gunawardana, SNP Athukorala and CL Abayasekara</i>	STUDIES ON DECARBOXYLATION OF WASTE COCONUT OIL IN THE PRESENCE OF Pd/C AS A CATALYST (ID 48) <i>PH Gamage, HIC De Silva, DGGP Karunaratne, D Gunasekara, D Welideniya, A Akram, SR Gunatilleke and USK Weliwegamage</i>	STUDY OF POLYMER ELECTROLYTES SUITABLE FOR HUMIDITY SENSORS (ID 176) <i>HMDIB Mawathagama and PWSK Bandaranayake</i>	
Morning Tea				

## 08<sup>th</sup> October, 2016 (Saturday) PGIS Research Congress 2016 – Technical Session 1

10:20 – 10:50	<b>Morning Tea</b>				
	EES 1(B.3.1)	EES 2 (B.3.2)	EES 3 (B.3.3)	ICTMS(A.1.2)	LS 1 (ZOOLOGY NEW)
10:50 – 11:10	Invited Lecture (EES 1): 'CONTRIBUTION OF SPACE BASED TECHNOLOGIES FOR SUSTAINABLE DEVELOPMENT GOALS (SDG)' <i>L. Samarakoon</i>  Time : 10:50 – 11:20 Venue : B.3.2			COMPARISON OF DIFFERENT COPULA MODELS AND THEIR APPLICATIONS IN METHOD COMPARISON STUDIES (ID 41) <i>KR Aravind., LS Nawarathna and HMRR Herath</i>	CHARACTERISATION OF <i>Rhizobium</i> sp. IN <i>Mimosa pudica</i> FROM FIVE DISTRICTS OF SRI LANKA (ID 83) <i>R Arrosan, T Tharshika, KWTR Kularathna and S Rajapakse</i>
11:10 – 11:30				A COMPARATIVE ANALYSIS FOR SELECTING THE BEST PLAYER COMPOSITION OF A CRICKET TEAM (ID 74) <i>WMIK Wasalabandara and SP Abeyundara</i>	EFFECT OF RICE HUSK AS A NATURAL SILICON SOURCE TO CONTROL PREHARVEST FUNGAL DISEASES IN BITTER GOURD LEAVES (ID 15) <i>RMRNK Ratnayake, WAM Daundasekera, HM Ariyaratne and MYU Ganehenege</i>
11:30 – 11:50	POLYMORPHISM OF <i>Cladophlebis denticulata</i> : EVIDENCE FROM PLANT FOSSILS OF JURASSIC BEDS IN TABBOWA, SRI LANKA (ID 109) <i>G Edirisooriya and HA Dharmagunawardhane</i>	INVESTIGATION OF Cd(II) ADSORPTION ON PADDY SOIL IN BATHALAGODA IN THE PRESENCE OF COMMERCIAL GLYPHOSATE (ID 46) <i>T Divisekara, AN Navaratne and ASK Abeysekara</i>	CHARACTERIZATION OF HUMIC SUBSTANCES IN PADDY SOILS UNDER DIFFERENT CROPPING SYSTEMS IN THE DRY ZONE OF SRI LANKA (ID 134) <i>RBKRanawake, RPSK Rajapaksha, SK Gunathilake, EPN Udaya Kumara and RR Ratnayake</i>	PHASE SPACE THETA ERROR CONTROL WITH GENERAL EXPLICIT RUNGE KUTTA METHODS FOR DYNAMICAL SYSTEMS (ID 18) <i>S Thilaganathan, R Vigneswaran and DM Samarathunga</i>	GROWTH ENHANCEMENT IN SEEDLINGS OF TRADITIONAL AND MODERN RICE VARIETIES BY PHOSPHATE SOLUBILIZING BACTERIA (ID 87) <i>H Panchalingam and AAL Ramatilleke</i>
11:50 – 12:10	EVALUATION OF GEOLOGICAL AND GEOTECHNICAL CONDITIONS OF THE MORAGAHAKANDA SADDLE DAM-1 FOUNDATION (ID 169) <i>SMNM Senevirathna, HA Dharmagunawardhana and J Gunatilake</i>	ANALYSIS OF ORGANIC FRACTION OF COMMERCIAL GLYPHOSATE (ROUND UP) AND TESTING ITS TOXICITY ON MICE (ID 121) <i>KGP Wasana, AN Navaratne, JGS Ranasinghe and R Waduge</i>	CORAL BLEACHING CAUSES DECLINE OF HEALTHY CORAL COVER IN BAR REEF MARINE SANCTUARY, KALPITIYA, SRI LANKA (ID 182) <i>CS Munasinghe and KB Ranawana</i>	LIE ALGEBRAIC APPROACH TO QUASI EXACTLY SOLVABLE COMPLEX PT-SYMMETRIC PERIODIC POTENTIAL (ID 21) <i>T Mathanaranjan and EPLS Wickramawardana</i>	SPORE MORPHOLOGICAL DIVERSITY OF SRI LANKAN HORNWORTS (ID 32) <i>NCS Ruklani and SCK Rubasinghe</i>
12:10 – 12:30	APPLICATIONS OF SPATIAL AND STATISTICAL METHODS FOR PREDICTION OF GEM POTENTIAL AREAS: A CASE STUDY FROM MONARAGALA DISTRICT, SRI LANKA (ID 132) <i>WMMPE Bandara, MKC Jayamali, J Gunatilake and P Francis</i>	CHEMICAL CHARACTERIZATION OF POE-15 TALLOW AMINE, SURFACTANT EXTRACTED FROM COMMERCIAL GLYPHOSATE (ID 79) <i>UND Uduwela and AN Navaratne</i>	IODINE AND SELENIUM LEVELS IN WATER SOURCES AND GOITRE DISTRIBUTION IN THE NUWARA-ELIYA DISTRICT (ID 95) <i>GYAN Sarathchandra, GWAR Fernnado, and AU Rajapaksha</i>	GRAPH THEORETICAL APPROACH IN TRAFFIC LIGHT ASSIGNMENT TO MINIMIZE WAITING TIME IN AN INTERSECTION IN KANDY CITY (ID 63) <i>WNSP Perera, AAI Perera and AACA Jayathilake</i>	MICROBIAL QUORUM SENSING DURING THE FORMATION OF <i>Enterobacter</i> AND <i>Enterobacter-Aspergillus</i> BIOFILMS (ID 82) <i>ID Singhalage, G Seneviratne and HMSP Madawala</i>
12:30 – 1:00	<b>Poster Session</b>				
1:00 – 2:00	<b>Lunch</b>				

## 08<sup>th</sup> October, 2016 (Saturday) PGIS Research Congress 2016 – Technical Session 1

Morning Tea				
LS 2 (ZOOLOGY OLD)	LS 3 (BOTANY OLD)	PS 1 (A.3.1)	PS 2 (A.3.2)	SE (PGIS AUDITORIUM)
<p>ASPARTIC PROTEASE INHIBITORY ACTIVITY OF <i>Garcinia quaesita</i> (ID 53) <u>TSGSB Wijayarathna</u>, <u>NNH Karamagoda</u> and <u>S Rajapakse</u></p>		<p>Invited Lecture (PS1): FUNGAL BIODIVERSITY OF SRI LANKA: AN EXCITING FRONTIER FOR THE DISCOVERY OF NOVEL BIOACTIVE METABOLITES' <u>E. D. de Silva</u></p> <p>Time : 10:50 – 11:20 Venue : A.3.1</p>	<p>Invited Lecture (PS3): 'STRESS INDUCED GIANT PIEZOELECTRICITY OF PIEZOELECTRIC THIN FILMS' <u>H. Suzuki</u></p> <p>Time : 10:50 – 11:20 Venue : A.3.2</p>	<p>RELATIONS OF STUDENTS' SELF-CONCEPTS IN PHYSICS ON MECHANICS, ELECTRICITY AND WAVES ON THEIR ACHIEVEMENT (ID 164) <u>N.Samarappuli</u> and <u>WD Chandrasena</u></p>
<p>DESIGN OF A NOVEL PROTEIN TO BIND WITH TELOMERE: A POSSIBLE PATH TOWARDS CANCER TREATMENT (ID 56) <u>MI Haseemdeen</u>, <u>RMG Rajapakse</u>, <u>HMN Bandara</u> and <u>RJKU Ranatunga</u></p>				<p>USE OF INTERACTIVE LECTURE DEMONSTRATION METHOD TO ENHANCE UNDERSTANDING OF ELECTROCHEMISTRY IN G.C.E.(A/L) STUDENTS (ID 185) <u>CS Wathudura</u>, <u>ADLC Perera</u> and <u>WD Chandrasena</u></p>
<p>ANALYSIS OF BLOOD TRANSCRIPTOME IN EARLY STAGE CHRONIC KIDNEY DISEASE OF UNKNOWN AETIOLOGY (CKDu) (ID 84) <u>S Sayanthooran</u>, <u>DN Magana-Arachchi</u>, <u>SDSS Sooriyapathirana</u>, <u>L Gumarathne</u> and <u>T Abesekara</u></p>		<p>MEMBRANE TRANSLOCATION ENERGETICS OF C6 CELL PENETRATING PEPTIDES IN <i>SILICO</i> (ID 147) <u>PWCM Purijjala</u>, <u>PVGM Rathnayake</u>, <u>DN Karumaratne</u>, and <u>RJKU Ranatunga</u></p>	<p>FABRICATION OF SUPER-HYDROPHILIC AND UNDERWATER SUPER-OLEOPHOBIC MEMBRANE FOR EFFICIENT OIL-WATER SEPARATION (ID 107) <u>UB Gumatilake</u>, <u>NS Abeysooriya</u> and <u>J Bandara</u></p>	<p>USE OF SUPPLEMENTARY MATERIAL TO ENHANCE LEARNING ELECTRONIC ENERGY LEVELS OF ATOMS IN GRADE TWELVE STUDENTS IN MATALE EDUCATION ZONE (ID 184) <u>R Unais</u>, <u>WD Chandrasena</u> and <u>ADLC Perera</u></p>
<p>PURIFICATION AND CHARACTERIZATION OF A 66 kDa DNA DIGESTING ENZYME FROM <i>Geobacillus</i> sp. LIVING IN HOT SPRINGS IN TRINCOMALEE, SRI LANKA (ID 68) <u>AMTK.Bandara</u>, <u>SBP Athauda</u> and <u>S Rajapakse</u></p>		<p>ATMOSPHERIC CHEMICAL COMPOSITION AND NEUTRALIZATION OF BULK DEPOSITIONS AT A LOCATION IN PERADENIYA (ID 181) <u>AB Liyandeniya</u>, <u>MP Deeyamulla</u> and <u>N Priyantha</u></p>	<p>RUBBER-CARBON COMPOSITES WITH ELECTRONIC PROPERTIES (ID 171) <u>SMTK Labutale</u> and <u>PWSK Bandaranayake</u></p>	<p>RELATION OF BIOLOGY STUDENTS' G. C. E. (A/L) RESULTS WITH THE STUDENTS' SCIENCE RESULTS OF G. C. E. (O/L) :A CASE STUDY IN BANDARAWELA EDUCATIONAL ZONE (ID 156) <u>BHACK Hettiarachchi</u>, <u>WD Chandrasena</u> and <u>ACA Jayasundera</u></p>
<p>EFFECT OF FLUORIDE TREATMENT ON KIDNEY AND LIVER IN RATS (ID 35) <u>WTR Perera</u>, <u>JGS Ranasinghe</u>, <u>R Waduge</u> and <u>N Alles</u></p>		<p>SYNTHESIS OF BIOLOGICAL-LIKE APATITES USING SIMULATED BODY FLUIDS AND UREA AT PHYSIOLOGICAL pH AND TEMPERATURES (ID 22) <u>TP Gamagedara</u>, <u>AS Jayasekara</u>, and <u>RMG Rajapakse</u></p>	<p>STRUCTURAL AND COMPOSITIONAL ANALYSIS OF THERMALLY EVAPORATED CdTe THIN FILMS (ID 152) <u>PKK Kumarasinghe</u>, <u>A Dissanayake</u>, <u>BMK Pemasiri</u> and <u>BS Dassanayake</u></p>	<p>RELATIONS OF STUDENTS' SELF-CONCEPTS IN PHYSICS ON FORCES, PRESSURE, ENERGY-WORK AND POWER ON THEIR ACHIEVEMENT (ID 168) <u>HJN Hettiarachchi</u> and <u>WD Chandrasena</u></p>
Poster Session				
Lunch				

## 08<sup>th</sup> October, 2016 (Saturday) PGIS Research Congress 2016 – Technical Session 1

1.00 – 2.00	<b>Lunch</b>				
	EES 1 ( B.3.1 )	EES 2( B.3.2 )	EES 3( B.3.3 )	ICTMS( A.1.2 )	LS 1 (ZOOLOGY NEW)
2:00 – 2:20	USE OF NATURALLY OCCURRING MICROBES TO DISSOLVE ROCK PHOSPHATE (ID 9) <i>MVRS Masimbula, CP Udawatte and PI Yapa</i>	USE OF COAGULANTS FOR TREATMENT OF LANDFILL LEACHATE FROM GOHAGODA, SRI LANKA (ID 51) <i>DIM Perera, MDAS Manchanayake and CS Kalpage</i>	GROUNDWATER QUALITY ASSESSMENT IN NORTH CENTRAL SRI LANKA (ID 151) <i>SMUSB Samarathunge and J Gunatilake</i>	BLASCHKE-LIKE PRODUCTS, ELLIPSES AND HYPERBOLAS (ID 183) <i>KMNM Chathuranga, AAS Perera and NN Samarawickrama</i>	MASS REARING OF <i>Tetrastichus brontispae</i> AN EXOTIC PARASITOID OF THE COCONUT PEST <i>Plesispa reichei</i> (ID 19) <i>NI Suwandhrathne, JP Edirisinghe and LCP Fernando</i>
2:20 – 2:40	EFFECT OF STRUCTURAL VARIETIES OF NATURAL VEIN GRAPHITE ON SYNTHESIS OF EXPANDED GRAPHITE BY CHEMICAL OXIDATION (ID 7) <i>RMNM Rathnayake, HPTS Hewathilake, HWMAC Wijayasinghe and HMTGA Pitawala</i>	PHYTOREMEDIATION POTENTIAL OF <i>Salvinia molesta</i> TO REMOVE CRYSTAL VIOLET DYE (ID 55) <i>LRC Premalal, AWathukarage and MCM Iqbal</i>	DISTRIBUTION OF CHLORIDE ION CONCENTRATION IN GROUNDWATER IN JAFFNA MUNICIPAL COUNCIL AREA (ID 45) <i>S Sivathasan and S Saravanan</i>	OPTIMAL SOLUTION TO THE CONFLICTING MULTI OBJECTIVE OPTIMIZATION PROBLEM USING ANALYTICAL HIERARCHY PROCESS ALGORITHM: A CASE STUDY FROM THE PETROLEUM INDUSTRY, SRI LANKA (ID 104) <i>ZAMS Juman, AMSMCM Aththanayake, R Thavarathnam and KM Dissanayake</i>	OCCURRENCE OF <i>Wolbachia</i> IN WILD POPULATIONS OF MOSQUITOES IN SRI LANKA (ID 71) <i>NWNP Nugapola and SHPP Karunaratne</i>
2:40 – 3:00	RECORD OF IGNEOUS ACTIVITIES IN THE MANNAR BASIN, SRI LANKA (ID 178) <i>EKCW Kularathna, HMTGA Pitawala and A Senaratne</i>	REMOVAL OF NI(II) USING FIRED BRICK CLAY AND COIR DUST (ID 24) <i>SH Ranasinghe, HANS Chandrasoma and N Priyantha</i>	MOSSES AS BIO-INDICATORS FOR ATMOSPHERIC DEPOSITION OF HEAVY METALS IN KANDY CITY LIMITS AND SUBURBS (ID 144) <i>L Weerasundara, DGGP Karunaratne, DN Magana-Arachchi and M Vithanage</i>	FORECASTING TAX REVENUE FOR SRI LANKA USING BAYESIAN VECTOR AUTOREGRESSION AND PRINCIPAL COMPONENT REGRESSION METHODS (ID 40) <i>GC Madirawala and HTK Abeyundara</i>	SUN PROTECTION FACTOR OF SELECTED CYANOBACTERIA ISOLATED FROM FRESHWATER BODIES OF SRI LANKA (ID 131) <i>MF Hossain, RR Ratnayake, MS Malika and KLW Kumara</i>
3:00 – 3:20	CARBON STOCKS AND CARBON FRACTIONS IN PADDY FIELD SOILS IN POLONNARUWA DISTRICT, SRI LANKA (ID 145) <i>BB Kangaraarachchi, RPSK Rajapaksha and RR Ratnayake</i>	COMPARISON OF CADMIUM SORPTION IN IONIC AND NON IONIC MEDIA ON COCONUT GROWING SOIL (ID 103) <i>MKENadheesha, N Priyantha, AJ Mohotti and CPA Kurundukubura</i>	ASSESSMENT OF GENOTOXICITY OF LUBRICANT OIL CONTAMINATED SOIL USING <i>Allium cepa</i> TEST SYSTEM (ID 186) <i>WGS Sriyanthi and K Masakorala</i>		COPROLOGICAL SURVEY OF TOQUE MONKEY TROOPS ( <i>Macaca sinica</i> ) IN THREE SELECTED SITES IN KANDY, SRI LANKA (ID 94) <i>BCGMendis, RMC Jayathilake, RMHW Rathnayake, YRIA Gunarathna, AK Baddewithana, A Dangolla and RPVJ Rajapakse</i>
3:20 – 3:40	SOCIO-TECHNICAL IMPACT OF SUSTAINABLE ENVIRONMENTAL MANAGEMENT: A CASE STUDY FROM YODA ELA IRRIGATION SYSTEM (ID 154) <i>MGPN Chandrasena, HAH Jayasena, WAP Weerakoon, M Ranagalage, R Chandrajith and D Yakandawala</i>	DYNAMIC ADSORPTION MODELS FOR BIOSORPTION OF Pb(II) ON <i>Artocarpus nobilis</i> FRUIT PEEL (ID 57) <i>PA Kotabewatta and N Priyantha</i>	HABITAT CHARACTERISTICS OF BUTTERFLY FISHES (CHAETODONTIDAE) IN TWO CORAL REEFS IN SRI LANKA (ID 110) <i>G Ellepola and KB Ranawana</i>		SELECTION OF SUITABLE ZOOPLANKTON FOR APPLICATION IN BIOMANIPULATION (ID 108) <i>NK Wickramasinghe and SK Yatigammana</i>
3:40 – 4:00	IDENTIFICATION OF SOURCE OF FIRE ACCELERANT IN FIRE DEBRIS: A SIMPLE CHROMATOGRAPHIC APPROACH (ID 153) <i>DMSD Diwakara, WKD Jayakantha and A Weliana</i>	ADSORPTION OF BASIC DYE CRYSTAL VIOLET BY <i>Melia azedarach</i> SAWDUST BIOCHAR (ID 112) <i>A Wathukarage, M Vithanage, N Priyantha and MCM Iqbal</i>			EMBRYOGENESIS IN FRESHWATER AQUARIUM FISH: ANGELFISH ( <i>Pterophyllum scalare</i> ) AND GOLDEN CARP ( <i>Cyprinus carpio</i> ) (ID 124) <i>KGDD Thilakarathne, GN Hirimuthugoda, PHT Lakkana and S Kumburegama</i>
4:00 – 4:20		ADSORPTION OF METHYLENE BLUE ON ALGINATE- KAOLINITE COMPOSITE MATERIAL (ID 135) <i>DMREA Dissanayake, WMKEH Wijesinghe, SS Iqbal, N Priyantha and MCM Iqbal</i>			SIGNIFICANCE OF CLOUD FORESTS IN LOOLKANDURA ESTATE, DELTOTA FOR CONSERVATION OF ENDEMIC BIRD SPECIES IN SRI LANKA (ID 66) <i>D Chathuranga, MH Kodikara-Arachchi, N Samarasingha and CS Wijesundara</i>
4:20 - 4:40					
<b>4:40</b>	<b>Afternoon Tea</b>				

## 08<sup>th</sup> October, 2016 (Saturday) PGIS Research Congress 2016 – Technical Session 1

Lunch				
LS 2 (ZOOLOGY OLD)	LS 3 (BOTANY OLD)	PS 1 ( A.3.1 )	PS 2 ( A.3.2 )	SE (PGIS AUDITORIUM)
ANTIOXIDANT ACTIVITY OF COCONUT CAKE BASED PHENOLIC ANTIOXIDANTS ON DIFFERENT SUBSTRATES (ID 28) <u>MS Fernando</u> , <u>KN Seneviratne</u> and <u>N Jayathilaka</u>		CORROSION INHIBITION OF GALVANIZED STEEL BY EUGENOL USING ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY (ID 61) <u>IN Wickramathilaka</u> and <u>N Priyantha</u>	A SIMPLE CHEMICAL METHOD TO INDUCE A BIOACTIVE HYDROXYAPATITE LAYER ON THE SURFACE OF 316L STAINLESS STEEL (ID 30) <u>TP Gamagedara</u> , <u>HMN Bandara</u> and <u>RMG Rajapakse</u>	USE OF ACTIVITY BASED INSTRUCTIONAL METHOD TO ENHANCE PERFORMANCE ON ALGEBRAIC INEQUALITIES IN GRADE NINE STUDENTS IN JAFFNA EDUCATIONAL ZONE (ID 165) <u>N Prashanthan</u> and <u>DM Samarathunga</u>
EFFECT OF CHITOSAN-CLAY COMPOSITE COATING ON QUALITY TRAITS OF CHICKEN EGGS (ID 125) <u>PGRS Hemapala</u> , <u>JK Vidanarachchi</u> , <u>SMC Himali</u> and <u>DN Karunaratne</u>		STUDY OF THE BEHAVIOUR OF A REDOX CAPACITOR USING ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY (ID 6) <u>CM Bandaranayake</u> , <u>WDSS Weerasinghe</u> , <u>KS Perera</u> and <u>KP Vidanapathirana</u>	CHARACTERIZATION AND MODIFICATION OF GREEN NANOPARTICLES OF ZERO-VALENT IRON (N-ZVI): APPLICATION FOR NITRATE REMOVAL (ID 100) <u>GGASN Kumara</u> , <u>S Galagedara</u> , <u>A Bandara</u> and <u>R Weerasooriya</u>	APPLICATION OF CONCEPT MAPPING IN TEACHING CELL BIOLOGY TO GRADE TEN STUDENTS (ID 170) <u>NKD Wickramasinghe</u> and <u>TMSSKY Ekanayake</u>
SHIKIMIC ACID FROM AN ENDOPHYTIC FUNGUS ISOLATED FROM THE FRUITS OF <i>Flacourtia inermis</i> (ID 133) <u>MM Oader</u> , <u>NS Kumar</u> , <u>L Jayasinghe</u> and <u>Y Fujimoto</u>		EFFICIENCY ENHANCEMENT OF DYE SENSITIZED SOLAR CELLS WITH GEL POLYMER ELECTROLYTE CONTAINING POLYACRYLONITRILE AND MIXED CATION ALKALINE IODIDE SALTS (ID 34) <u>CA Thotawatthage</u> , <u>MAKL Dissanayake</u> , <u>GKR Senadeera</u> , <u>AMJS Weerasinghe</u> and <u>JMKW Kumari</u>	DYE-SENSITIZED SELF-CLEANING FABRIC BASED ON NANOPARTICLES OF OXIDE ADSORBED AND DYED COTTON (ID 97) <u>ZAhamed</u> , <u>RMG Rajapakse</u> , <u>RBSD Rajapakshe</u> and <u>CA Thennakoon</u>	EFFECT OF ACTIVITY BASED LEARNING ON CONCEPTUAL UNDERSTANDING OF FRACTIONS: A STUDY OF GRADE SEVEN STUDENTS IN JAFFNA EDUCATIONAL ZONE (ID 115) <u>R Dhinesh</u> and <u>DM Samarathunga</u>
PHENOLIC METABOLITES FROM THE ENDOPHYTIC FUNGUS <i>Daldinia eschscholtzii</i> IN FRUITS OF <i>Phyllanthus acidus</i> (ID 142) <u>DMDM Dissanayake</u> , <u>NS Kumar</u> , <u>L Jayasinghe</u> and <u>Y Fujimoto</u>		INCREASING THE STABILITY OF DYE-SENSITIZED SOLAR CELLS BY REDUCING THE VOLUME OF IODIDE/TRIIODIDE REDOX MEDIATOR (ID 62) <u>MMAG Bandara</u> , <u>RMG Rajapakse</u> , <u>GRA Kumara</u> and <u>IR Perera</u>	AN OPTO-ELECTRICAL STUDY ON CdSe THIN FILMS (ID 119) <u>AS Senarath</u> , <u>WGC Kumara</u> and <u>BS Dassanayake</u>	USE OF AUTHENTIC INSTRUCTIONS FOR TEACHING PHYSICS IN JUNIOR SECONDARY SCHOOLS (ID 118) <u>C Lakshmanan</u> , <u>UM Sedere</u> and <u>P Liyanage</u>
VARIATION IN AIRBORNE BACTERIAL COMMUNITY DURING A WEEK DAY IN KANDY CITY: A PRELIMINARY STUDY (ID 80) <u>RWK Amarasekara</u> , <u>DN Magana-Arachchi</u> , <u>WRAS Mayurawansha</u> , <u>P Samaraweera</u> and <u>M Vithanage</u>		FLOATED GRAPHITE/GRAPHENE COMPOSITE AS A COUNTER ELECTRODE IN DYE-SENSITIZED SOLAR CELLS (ID 70) <u>AAB Madushani</u> , <u>GRA Kumara</u> , <u>RMG Rajapakse</u> and <u>LRAK Bandara</u>	FABRICATION OF A 6" F/9 RESEARCH GRADE ASTRONOMICAL TELESCOPE UTILIZING LOCAL RESOURCES (ID 26) <u>HSD Amaradasa</u> , <u>GDK Mahanama</u> , <u>SS Abeywickrama</u> and <u>EM Ranatunga</u>	FACTORS AFFECTING THE SELECTION OF SCIENCE STREAM AT G.C.E. (A/L) AMONG GRADE ELEVEN STUDENTS IN MATALE EDUCATIONAL ZONE (ID 86) <u>NP Rajapaksha</u> and <u>KMGG Jayasuriya</u>
		GRAPHENE AS HOLE CONDUCTING MATERIAL IN PEROVSKITE SOLAR CELLS (ID 72) <u>KDGH Kottapala</u> , <u>MMAG Bandara</u> , <u>GRA Kumara</u> and <u>IR Perera</u>	OPTICAL AND ELECTRICAL PROPERTIES OF EDTA ASSISTED CdS THIN FILMS (ID 60) <u>WGC Kumara</u> , <u>RP Wijesundera</u> , <u>VA Seneviratne</u> , <u>CP Jayalath</u> and <u>BS Dassanayake</u>	
		HYDROTHERMALLY SYNTHESIZED TiO <sub>2</sub> NANOTUBES USING HF MODIFIED TiO <sub>2</sub> FOR APPLICATION IN DYE-SENSITIZED SOLAR CELL DEVICES (ID 129) <u>KMSDB Kulathunga</u> and <u>J Bandara</u>	EFFECT OF SOLDERING MATERIALS IN CONTACTS OF A THERMOELECTRIC MODULE (ID 150) <u>SS Hettiarachchi</u> , <u>KPVB Kobbekaduwa</u> and <u>ND Subasinghe</u>	
		MONTMORILLONITE COMPOSITES OF <i>Nothapodytes foetida</i> ALKALOIDS: INTERCALATION AND RELEASE (ID 180) <u>MMSP Maparathne</u> , <u>NC Bandara</u> and <u>BMR Bandara</u>		
Afternoon Tea				

## 08<sup>th</sup> October, 2016 (Saturday) PGIS Research Congress 2016 – Poster Session

<b>Earth and Environmental Sciences (EES)</b>	<b>Life Sciences (LS)</b>	<b>Science Education (SE)</b>
<p>A WEB BASED GEOGRAPHICAL INFORMATION SYSTEM TO EMPOWER HIGHLEVEL DATA USERS OF THE DEPARTMENT OF CENSUS AND STATISTICS, SRILANKA (ID 141) <u>H.L.R. Perera, J. Gunatilake, K.M.R. Wickramasinghe and K.K.S.A. Withanage</u></p>	<p>AVIFAUNAL DIVERSITY IN THREE SELECTED FRUIT CULTIVATIONS AND EDGE AREAS IN AN ORCHARD IN DAMBULLA, SRI LANKA (ID 8) <u>Y.T.B. Bambaradeniya and B.Z. Nizam</u></p>	<p>PREPARATION OF A STUDY PACKAGE ON TISSUE CULTURE FOR UNIT 10 OF THE G.C.E. (A/L) BIOLOGY CURRICULUM (ID 111) <u>M.A.P. Makawita, W. D. Chandrasena and J. W. Damunupola</u></p>
<p>USE OF GIS IN SITE EVALUATION FOR ECOTOURISM: A CASE STUDY FROM MATALE DISTRICT (ID 149) <u>K. M. S. U. K Chandrathilaka, J. Gunatilake and K. K. S. A. Withanage</u></p>	<p>ANTIOXIDANT CONTENT, MICROBIAL QUALITY AND CONSUMER PREFERENCE OF ONE-INGREDIENT STRAWBERRY FRUIT LEATHER (ID 16) <u>N.G.D.N. Nikagolla and N.S. Gama-Arachchige</u></p>	<p>USE OF MODELS AS EFFECTIVE TEACHING AIDS TO TEACH HUMAN SENSORY SYSTEM TO GRADE ELEVEN STUDENTS (ID 113) <u>J.C.K. Ekanayake and W.A.I.P. Karunaratne</u></p>
<p>ENGINEERING GEOLOGICAL EVALUATION AND ROCK MASS CHARACTERIZATION OF KALU GANGA MAIN DAM SITE (ID 159) <u>I. R. Wickramathilake and J. Gunatilake</u></p>	<p>ANTIBACTERIAL ACTIVITY OF SELECTED COMMON BRYOPHYTES IN CENTRAL PROVINCE, SRI LANKA (ID 37) <u>G.A. Batugedara, N.C.S. Ruklani and S.C.K. Rubasinghe</u></p>	<p>EVALUATION OF THE EFFECTIVENESS OF USING CONCEPT MAPS TO TEACH DIVERSITY OF PLANTS TO GRADE NINE STUDENTS (ID 114) <u>B.R.N. Dissanayake and W.A.I.P. Karunaratne</u></p>
	<p>COMPARISON OF SUGAR CONTENT IN SIX SELECTED SRI LANKAN FRUITS (ID 38) <u>I.W. Kularathne, A.C. Rathneweera, C.S. Kalpage and S. Rajapakse</u></p>	<p>ENHANCING SELF-DIRECTED LEARNING THROUGH GROUP WORK AMONG UNDERGRADUATE STUDENTS (ID 123) <u>W.H.D.K. Abeyrathne and T.M.S.S.K.Y. Ekanayake</u></p>
	<p>EFFECT OF CANOPY GAPS ON THE GROWTH RATE OF TREE SPECIES IN THESINHARAJA FOREST (ID 49) <u>D.P. Weligala, R. Punchi Manage and I.A.U.N. Gunatilleke</u></p>	<p>FACTORS AFFECTING TEACHING AND LEARNING OF CHEMISTRY SUBUNIT THERMODYNAMICS AT G.C.E. (A/L) (ID 157) <u>W.M.C.K. Basnayake, W.D. Chandrasena and A.C.A. Jayasundera</u></p>
<b>Information &amp; Communication Technology, Mathematics and Statistics (ICTMS)</b>	<p>POPULATION SIZE OF THE GREATER FLAMINGO IN THE JAFFNA PENINSULA, SRI LANKA (ID 59) <u>C. S. Wijesundara, D. Chathuranga, T. Hettirarachchi, N. Perera, P. Rajkumar, S. Wanniarachchi and G. Weerakoon</u></p>	
<p>DYNAMICS OF SINGLE-SPECIES POPULATION FOR DIFFERENT BIRTH PULSES (ID 10) <u>H.D. Gammanpila and J.A. Weliwita</u></p>	<p>ANALYSIS OF SURVIVAL OF PATIENTS WITH CHRONIC KIDNEY DISEASE OF UNKNOWN AETIOLOGY (CKDu) IN GIRANDURUKOTTE, SRI LANKA (ID 85) <u>T.W. Hettiarachchi, N. Nanayakkara, S. Wijetunge, S.H.T. Sudeshika and H.T. K. Abeyesundara</u></p>	
<p>APPLICATION OF GENERALIZED LINEAR POISSON MIXED MODELS FOR COUNT DATA MODELING WITH CLUSTER DEPENDENCY (ID 11) <u>K.A.N.K. Karunaratna and P. Wijekoon</u></p>	<p>COMPARISON OF ANTIOXIDANT PROPERTIES OF JACKFRUIT SEEDS AND ARILS AFTER IN VITRO DIGESTION WITH SWINE GASTRIC AND INTESTINAL JUICES (ID 105) <u>S.D.C.H. Kumari, R. Liyanage, J.K. Vidanarachchi, V. Rizliya and C. Jayathilake</u></p>	
<p>MODELING AND PREDICTING PRICE FLUCTUATIONS IN COLOMBO STOCK EXCHANGE (ID 91) <u>R.M.U.M. Rathnayake and S. P. Abeyesundara</u></p>	<p>ESTIMATION OF TERRESTRIAL MAMMAL DIVERSITY USING CAMERA TRAPS IN MINNERIYA NATIONAL PARK, SRI LANKA (ID 117) <u>A.N. Thudugala, W.M.B.M.B. Weerakoon, K.B. Ranawana</u></p>	<b>Physical Sciences (PS)</b>
<p>COPY PROTECTIVE WATER MARKING FOR PRINTED DOCUMENTS (ID 116) <u>ASK Wijayawardena</u></p>	<p>ATTITUDES OF VILLAGERS TOWARDS CONSERVATION OF KNUCKLES FOREST RESERVE, SRI LANKA (ID 126) <u>R. D. A. Gunasekara, G. Senevirathne, I. A. U. N. Gunatilleke, C. V. S. Gunatilleke and A. M. T. A. Gunaratne</u></p>	<p>PREPARATION OF DYE-SENSITIZED SOLAR CELLS USING GRAPHENE ON SODA LIME GLASS AS A COUNTER ELECTRODE (ID 65) <u>B.S. Hettiarachchi, G.R.A. Kumara and R.M.G. Rajapakse</u></p>
	<p>ANTIFUNGAL ACTIVITY OF NAPHTHOQUINONES FROM LIQUID CULTURES OF TEA (ID 127) <u>C.L. Kehelpamala, N.S. Kumar, L. Jayasinghe, H. Araya and Y. Fujimoto</u></p>	<p>INVESTIGATION OF LEAD UPTAKE BY <i>Nelumbo nucifera</i> RHIZOME (ID 75) <u>J.H.M.J.S. Ranaweera and K.B. Jayasundara</u></p>
		<p>SYNTHESIS, CRYSTAL STRUCTURE AND STRUCTURE-PROPERTY RELATIONSHIP OF COBALT DOPED BARIUM TITANATE (ID 89) <u>N.C. Edirisinghe, D.N.S. Kondasinghe and A.C.A. Jayasundera</u></p>
		<p>SYNTHESIS, CHARACTERIZATION AND PHOTOVOLTAIC PROPERTIES OF <math>\text{CsSnI}_3</math> AND NOVEL INORGANIC-ORGANIC HYBRID PEROVSKITE (ID 92) <u>U.G.A.P. Wimalasena, K.P. Samarakoon, E.N. Jayaweera, G.R.A. Kumara and A.C.A. Jayasundera</u></p>
		<p>STUDY OF NON-ORIENTED ULTRA THIN FERROMAGNETIC THIN FILMS (ID 96) <u>N.U.S. Yapa and P. Samarasekara</u></p>
		<p>SURFACE MODIFICATION TO PREVENT TEXTILE PRODUCTS FROM PILLING (ID 143) <u>W.M. Somasiri, C.A. Themakoon, R.B.S.D. Rajapakshe and R.M.G. Rajapakse</u></p>