Theme 1: Climate, Environment and Earth Sciences

26	AWARENESS AND DISTRIBUTION OF INVASIVE ALIEN SPECIES (IAS) OF FLORA IN GALIGAMUWA AREA	1
	W.A.A.I. Warunasinghe	
62	SELENIUM IN RICE (<i>ORYZA SATIVA</i>) FROM DIFFERENT GEOGRAPHIC AND CLIMATIC REGIONS OF SRI LANKA	2
	Saranga Diyabalanage, Thamara Navarathna, Rohana Chandrajith	
66	SPATIAL VARIABILITY OF ORGANIC CARBON DESNITY IN CASHEW CULTIVATED RED LATOSOL SOILS OF SRI LANKA	3
	W.M K M. Wickramasinghe, S.B. Karunaratne, B. Gajanayake, D.C. Abeysinghe	
67	DEVELOPMENT OF LAND SUITABILITY MAP TO EXPAND RUBBER IN NORTHERN DRY ZONE OF SRI LANKA: A CASE STUDY FROM VAVUNIYA DISTRICT	4
	L.A.T.S. Liyanaarachchi, S.B. Karunaratne, J.K.S. Sankalpa, B.W. Wijesuriya, B. Gajanayake, D.C. Abeysinghe	
71	GEOSTATISTICAL MAPPING OF SELECTED SOIL CHEMICAL PROPERTIES IN RED LATOSOLS OF SRI LANKA	5
	R.L.A.A. Eranga, S.B. Karunaratne, D.C. Abeysinghe, B. Gajanayake	
79	ASSESSMENT OF NITROGEN, PHOSPHOROUS AND POTASSIUM CONCENTRATIONS IN DIFFERENT RAW MATERIAL VERMIWASH <i>P.G.I.L. Dilani, P. Loganathan</i>	6
93	SPATIAL VARIABILITY OF SELECTED SOIL CHEMICAL PROPERTIES FOR AGRICULTURAL LAND MANAGEMENT M.A.R. Aashifa, P. Loganathan	7
96	INTERACTION OF FERROUS IONS AND FREE CHLORINE ON MICROBIOLOGICAL QUALITY OF DRINKING WATER	8
	Thilini S. Munasinghe, Charmalie L. Abayasekara, Rohana Chandrajith, Asoka Jayawardana	
111	FLUORIDE UPTAKE BY NATIVE AND MODIFIED CATTLE BONES FROM AQUEOUS MEDIUM BY BATCH ADSORPTION B.A.P.T. Gunathilake, M.C.M. Iqbal, V.A. Sumanasinghe	9
112	Not Presented	
143	IMPACTS OF SEA LEVEL RISE AND BED LEVEL ACCRETION ON RESIDENCE TIME OF NEGOMBO LAGOON, SRI LANKA P.K.P. Pushpakumara, K.D.W. Nandalal, S.B. Weerakoon	11

149	VERY LOW FREQUENCY ELECTROMAGNETIC (VLF EM) METHOD FOR VEIN GRAPHITE INVESTIGATION IN CRYSTALINE ROCK TERRAIN:A CASE STUDY IN RANGALA, SRI LANKA	12
	K.M.P.C. Karunarathne, H.A. Dharmagunawardhane	
156	P-T-t EVOLUTION OF CALC-SILICATE ROCKS IN THE SOUTH-WESTERN HIGHLAND COMPLEX OF SRI LANKA <i>K.A.G. Sameera, L.R.K. Perera</i>	13
167	SPATIAL VARIABILITY OF SOIL PROPERTIES IN A CALCIC RED LATOSOL SOIL SCAPE IN THE NOTHERN AREA OF SRI LANKA S. Nerogini, U.W.A. Vitharana, T. Karunainathan	14
179	COMMUNICATION AND ADOPTION OF WASTE MANAGEMENT PRACTICES OF URBAN AND SEMI-URBAN HOUSEHOLDS IN TRINCOMALEE DISTRICT Pushpika Ganegoda, Padmasiri Wanigasundera	15
210	CHEMICAL AND ISOTOPE CHARACTERISTICS OF KIDNEY STONES (URINARY CALCULI) FROM SRI LANKA Anushka Weerasinghe, Anuruddha. M. Abeygunasekera, Atula Senaratne, Rohan	16
	Weerasooriya and Rohana Chandrajith	
241	CATION AVAILABILITY IN BUFFERED COCO PITH AND THE EFFECT ON GROWTH OF TOMATO (SOLANUM LYCOPERSICUM) PLANT R.D.M. Ranaweera, R.S. Dharmakeerthi, A. Gunasena	17
257	IDENTIFICATION OF SALINITY HAZARD ZONES USING DUALEM-1S PROXIMAL SOIL SENSOR	18
	H.G.K. Hiranthika, U.W.A. Vitharana, R.A.C.J. Perera	
267	ESTIMATION AND MANAGEMENT OF MOBILE PHONE WASTE (M-WASTE) IN SRI LANKA M.B. Samarakoon	19
	M.B. Samarakoon	
279	MODELLING THE TEMPORAL DYNAMICS OF SOIL MOISTURE CONTENT OF A YELLOW LATOSOL	20
	M. Gierthana, U.W.A. Vitharana, S. Suthakar	
309	ACTIVATED COCONUT COIR AS Na ⁺ AND Mg ²⁺ ADSORBENTS FOR DESALINATION APPLICATIONS	21
	Eshani Hettiarachchi, Nilwala Kottegoda, A.D.L.C. Perera	
345	INVESTIGATING THE INFLUENCE OF CLIMATIC PARAMETERS ON RIVER MAHAWELI WATER QUALITY ASSOCIATED WITH LEACHATE CHEMISTRY	22
	W.M.D.S.K. Weerakoon, C.S. Kalpage, A. Manipura, A.M. Ziyath, S.K. Weragoda	
347	EFFECT OF BIOCHAR ON PHOSPHORUS AVAILABILITY AND FIXATION IN SOME RUBBER (<i>HEVEA BRASILIENSIS</i>) GROWING SOILS OF SRI LANKA	23
	MAGH Nandasana RS Dharmakeerthi HMSK Herath	

366	EVALUATION OF THE STATUS IN ENVIRONMENTAL FLOW MAINTAINANCE AT MANGALATHIRIYA ANICUT IN ATHTHANAGALU OYA, SRI LANKA N.W.B.A.L. Udayanga, M.M.M. Najim	24
370	Not Presented	
380	SOIL MOISTURE RESPONSE TO CONVECTIVE RAINFALL K.W.G.R. Nianthi, P. Wickramagamage, M.P. Rambukkange	26
386	PRELIMINARY STUDY ON USE OF ACTIVATED COCONUT COIR AS ADSORBENT FOR REMOVAL OF CHLORIDE AND FLUORIDE IN WATER H.K.M.S.N. Bandara, Nilwala Kottegoda, A.D.L.C. Perera	27
449	ASSESSMENT OF GREEN SPACE IN THE COLOMBO CITY LIAISONS WITH GIS AND IN-SITU DATA B.D. Madurapperuma, K.A.J.M. Kuruppuarachchi	28
463	APPLICABILITY OF COLORIMETRIC ORGANIC MATTER DETERMINATION AND ITS RELATIONSHIP WITH TOTAL SOIL NITROGEN FOR SELECTED SOILS IN SRI LANKA	29
	E.M.A. Darshana, K.A. Nandasesna	
476	CLIMATE CHANGE ADAPTATION PRACTICES IN CROP CULTIVATION: CASE STUDY IN ANURADHAPURA DISTRICT	30
	R.M.C.K. Ranasingha, A. Nanthakumaran	
591	DECOLOURIZATION OF CRYSTAL VIOLET SYNTHETIC DYE FROM AQUEOUS SOLUTION BY WOODY BIOCHAR	31
	Awanthi Wathukarage, M.C.M. Iqbal, H.M.D.N. Priyantha, Meththika Vithanage	
The	me 2: Economics and Management	
46	FORECASTING INTERNATIONAL TOURISM INCOME OF SRI LANKA: TREND ANALYSIS K.M.U.B. Konarasinghe	33
81	UNEMPLOYMENT, OFFICIAL ECONOMY AND DIMENSIONS OF THE SHADOW ECONOMY: AN EMPIRICAL ANALYSIS FOR SRI LANKA USING SEM APPROACH	34
	D.I.J. Samaranayake, O.G. Dayarathna-Banda	
83	Not Presented	
89	THE IMPACT OF CORPORATE SOCIAL RESPONSIBILITY (CSR) ON BRAND EQUITY: A STUDY WITH SPECIAL REFERENCE TO SRI LANKA TELECOM PLC F.H.A. Shibly, M.I.M. Hilal	36

175	MOBILE PHONE AS A MODE OF INFORMATION PROVIDENT TO UP COUNTRY VEGETABLE FARMERS IN SRI LANKA D.G.D. Perera, R.P. Mahaliyanaarachchi, P. Sivashankar, I.C. Hettiarachchi	37
194	IDENTIFYING IMPACT OF WORK LIFE CONFLICT ON JOB SATISFACTION P. Lankeshwara	38
200	Not Presented	
232	IMPACT OF PER CAPITA INCOME AND HUMAN CAPITAL ON INCOME INEQUALITY: AN EMPIRICAL ANALYSIS T.M.A.C. Siriwardana, J.G. Sri Ranjith	40
243	PSYCHOLOGICAL AND BEHAVIORAL VARIABLES AND ACQUIRED COMPETENCIES IN SUCCESSFUL ENTREPRENEURSHIP IN SRI LANKA U. Munasinghe	41
273	VOLATILITY SPILLOVERS BETWEEN COLOMBO AND OTHER REGIONAL STOCK MARKETS Yeshan Withanage, Prabhath Jayasinghe	42
301	AN EXPLORATION OF AUDIT COMMITTEE COMPOSITION AND ROLES IN SRI LANKAN LISTED COMPANIES Madushani Gunathilake, Malanee Ranasinghe	43
404	DETERMINANTS OF VOTING RIGHTS PREMIUM IN THE BANKING, FINANCE AND INSURANCE SECTOR: EVIDENCE FROM THE COLOMBO STOCK EXCHANGE F.S.M. Arafath, T.D. Hamidon	44
421	THE IMPACT OF EMOTIONAL INTELLIGENCE ON JOB PERFORMANCE AND JOB SATISFACTION OF BANK MANAGERS IN SRI LANKA S. Praveena	45
433	IMPACT OF FIRM SPECIFIC FACTORS ON STOCK PRICES: WITH SPECIAL REFERENCE TO DIVERSIFIED HOLDING COMPANIES IN COLOMBO STOCK EXCHANGE S.D.P. Piyananda, B.H.A. Nilmini	46
436	CURRENCY DEPRECIATION AND J-CURVE ANALYSIS: A CASE STUDY BASED ON SRI LANKA U.G.H. Lakmal, W.L.P. Perera	47
440	PROBABLE FACTORS FOR CREATING RAW MATERIAL WASTE: A CASE STUDY BASED ON THE SRI LANKAN APPAREL INDUSTRY G.M. Ranasinghe, M.G.S. Dilanthi	48

452	IMPACT OF CORPORATE GOVERNANCE PRACTICES ON CAPITAL STRUCTURE DECISIONS: WITH SPECIAL REFERENCE TO MANUFACTURING COMPANIES IN AN EMERGING MARKET Nishani Mudalige, Athula Ekanayake	49
459	Not Presented	
460	THE IMPACT OF LEVERAGE ON PERFORMANCE OF BANKS IN SRI LANKA D.U.J. Kulasinghe, L.A.S. Perera	51
481	Not Presented	
551	FACTORS INFLUENCING CONSUMER BUYING BEHAVIOUR: WITH SPECIAL REFERENCE TO SRI LANKAN ORGANIC FOOD INDUSTRY H.L.M. De Silva, B.T. Jayasooriya	53
583	GROWTH AND PROFITABILITY OF MANUFACTURING FIRMS: A STUDY OF LISTED COMPANIES IN SRI LANKA <i>R.A.A. Sanjaya, N.K. Jayasiri</i>	54
601	Not Presented	
The	me 3: Education	
16	THE EFFECTIVENESS OF INTERNATIONAL COMPUTER DRIVING LICENCE (ICDL) TRAINING PROVIDED TO SECONDARY SCHOOL TEACHERS: A STUDY BASED ON SECONDARY SCHOOLS IN BADULLA DISTRICT J.D. Careemdeen	57
22	CAN THE ESL TEXTBOOKS SCAFFOLD COMPREHENSION OF SCIENCE TEXTBOOKS? A STUDY INTO THE POENTIAL OF REVISED SECOND LANGUAGE ENGLISH TEXTBOOKS FOR GRADE SIX FACILITATING LEARNING OF SCIENCE IN BILINGUAL EDUCATION Marie Perera, S.A. Kularathne	58
38	LESSON PLANNING SKILLS OF PROSPECTIVE TEACHERS I.S.K. Eriyagama, P.R.K.A. Vitharana	59
72	ENSURING STUDENTS' ON TIME CLASSROOM PRESENCE AFTER THE INTERVAL <i>P.M.J.R. Piyatissa, P.R.K.A. Vitharana, S.Y. Ekanayake</i>	60
91	EFFECT OF ELECTRONIC DEVICES ON STUDENTS' SCIENCE LEARNING H.M.N. Herath, T.M.S. Yatigammana Ekanayake	61

97	COMPARISON OF UNDERSTANDING LEVELS OF THE PHYSICS CONCEPTS AMONG SECONDARY LEVEL STUDENTS <i>P.R.K.A. Vitharana</i>	62
123	EDUCATION GUIDANCE AND COUNSELING THROUGH THE BUDDHIST PRACTICE OF MINDFULNESS	63
	Ven. A. Wimaladhamma , T.G. Indika Piyadarshani Somaratne	
129	IDENTIFYING TEACHING STYLES AND THEIR INDICATIVE FACTORS OF ADVANCED LEVEL SCIENCE STREAM TEACHERS IN COLOMBO DISTRICT SCHOOLS A.P. Hettihewa, I.M. Karunathilake	64
130	A STUDY ON THE CHILDREN'S PARTICIPATION IN SOCIODRAMATIC PLAY IN THE PRESCHOOL CLASSROOM <i>P.L.N. Randima Rajapaksha</i>	65
138	THE BEST METHOD OF LEARNING NEUROANATOMY IN TERMS OF MEDICAL STUDENTS' PREFERENCE AND PERFORMANCE K.A.N. Ravindu, C.C. Munasinghe, S.M.S.B. Samarakoon, H.D.R. Pamoda	66
144	SEEDING SCIENCE SUCCESS: RELATIONS OF SECONDARY SCIENCE STUDENTS' MOTIVATION WITH THEIR ASPIRATIONS AND ACHIEVEMENT W.D. Chandrasena, R.G. Craven, D. Tracey, A. Dillon	67
176	TEACHER DEMEANOR AS PERCEIVED BY GENERAL INFORMATION TECHNOLOGY (GIT) STUDENTS IN RELATION TO THEIR ACHIEVEMENT IN IT <i>P.A.B.H. Amarathunga, Shamitha Pathiratne</i>	68
181	USING MOBILE PHONES IN A LESSON WITH MORE CONFIDENCE: USE OF MOBILE PHONES ON A PRIVATE NETWORK T.M.S. Yatigammana Ekanayake, K.B. Samarakoon, S.D.K. Wijesundera	69
221	AN EVALUATION OF THE EFFECTIVENESS OF OUTCOME BASED EDUCATION AND STUDENT CENTERED LEARNING IN UNDERGRADUATE EDUCATION D.C. Bandara, D.V. Jayatilake	70
280	THE ROLE OF FIELD LEVEL EXTENSION OFFICERS AT DIVI NEGUMA RURAL DEVELOPMENT PROGRAM: A STUDY IN RATHNAPURA DISTRICT M.S. Elapata, I.C. Hettiarachchi, P. Sivashankar, R.P. Mahaliyanaarachchi, B.E.S. Bandara	71
286	FACTORS AFFECTING FOR THE SELECTION OF AGRICULTURE AS A SUBJECT AMONG THE G.C.E ADVANCE LEVEL STUDENTS IN SRI LANKA <i>P.L.B.N. Lakmali, I.C. Hettiarachchi, P. Sivashankar, R.P. Mahaliyanaarachchi, B.E.S. Bandara</i>	72
290	EFFECTIVENESS OF THE UNIT PALN IN TEACHING-LEARNING PROCESS DMSCPK Dehidening AMTA Gungratue	73

304	A STUDY ON INFORMATION SOURCES OF PADDY FARMERS W.G.M. Sanjeevani, R.P. Mahaliyanaarachchi, P. Sivashankar, I.C. Hettiarachchi, , B.E.S. Bandara	74
365	DISTRIBUTION OF LEARNING MODALITIES AMONG UNDERGRADUATE MEDICAL STUDENTS Jayampathy Dissanayake, H.M.K.B. Herath, M.F.F. Fazlina, C.C. Munasinghe, P. L. Thilakarathna	75
373	TEACHING SECOND NATIONAL LANGUAGE (TAMIL) IN JUNIOR SECONDARY GRADES: EFFECTIVENESS OF CLASSROOM PRACTICES S. Athirathan, M. Karunanithy	76
384	EFFECT OF ENVIRONMENTAL EDUCATION ON UNDERGRADUATES' ATTITUDES TOWARDS ENVIRONMENTAL FRIENDLY PLANTING DESIGNS S.A.E.C. Wijesinghe, K. Yakandawala, W.A.I.P. Karunarathne	77
495	USAGE PATTERNS OF THE LEARNING MANAGEMENT SYSTEM IN THE SEMESTER BASED UNDERGRADUATE TEACHING Iroshini P. Ratnapala	78
525	TEACHERS' PERCEPTION ON CHEMISTRY PRACTICAL WORK IN GRADES 10 AND 11 T. Sakeetharan, A.D.L.C. Perera, T.M.S.S.K.Y. Ekanayake	79
556	PERSPECTIVES OF UNDERGRADUATES ON LIBRARY USE: A CASE OF UNDERGRADUATES OF AGRICULTURAL SCIENCES B.E.S. Bandara, D.A.M. De Silva, B.N.G.S. Premarathne	80
579	EXPLORATION OF FACTORS AFFECTING FOR POOR PERFORMANCE IN SCIENCE SUBJECT IN THE G. C. E. (O/L) IN THE ISLAND ZONE OF JAFFNA DISTRICT	81
	J. Uthayan, W.D. Chandrasena, A.C.A. Jayasundera	
581	FACTORS AFFECTING THE SELECTION OF THE ADVANCED LEVEL SCIENCE STREAM: A STUDY OF STUDENTS IN NUWARA-ELIYA ZONE P.E. Illukkumbura, R.J.K.U. Ranatunga	82
598	STRINGING THE WORDS TOGETHER: AN ACTION RESEARCH ON TEACHING WRITING IN ENGLISH AS A SECOND LANGUAGE (ESL) CLASSROOM L.C.D. Wickramanayake	83
The	me 4: Engineering and Built Environment	
24	DEVELOPMENT OF FLOOD MAPS FOR PINGA OYA IN AKURANA AREA	85
	J.A.M. Sajihan, R.M.C.P.S. Javathilaka, R.M.C.E.M. Rathnavake, K.D.W. Nandalal	

29	VIBRATION ENERGY HARVESTER FOR AMBIENT PRESSURE FORCES T. Rasnakawewa, D.I.B. Randeniya	86
54	EFFECT OF TRANSLATIONAL SPEED ON THE COASTAL IMPACT OF SEA SURGES INDUCED BY LANDFALLING TROPICAL CYCLONES C.K. Marasinghe, J.J. Wijetunge	87
120	APPLICATION OF SOME METHODS FOR SCREENING RAINFALL RECORDS AT SEVEN GAUGING STATIONS IN KALU GANGA UPPER CATCHMENT D.P.H.M. Kanchanamala, H.M.H.K. Herath, K.D.W. Nandalal	88
128	TORQUE ESTIMATION OF A DC MOTOR A.H.Z. Farnaz, H.S. Sajith, M.P.B. Ekanayake, P.J. Binduhewa, B.G.L.T. Samaranayake	89
131	MODELLING OF GEOTECHNICAL PARAMETERS TO EVALUATE SOIL EXPANSIVITY G.A. Chinthaka Ganepola	90
132	ACCURATE DEPTH MAP FROM STEREO WEB CAMERA SETUP D.P. Liyanage, W.R.C.B.S. Welikala, G.M.R.I. Godaliyadda, M.P.B. Eakanayake, J.V. Wijayakulasooriya	91
142	ODOMETRY BASED POSITIONING AND NAVIGATION SYSTEM FOR INDOOR OMNIDIRECTIONAL ROBOT W.R.C.B.S. Welikala, A.H.A.D. Abeysekara, G.M.R.I. Godaliyadda, M.P.B. Eakanayake, J.V. Wijayakulasooriya	92
151	LEAD (Pb) UPTAKE COMPARISON OF WATER SPINACH (<i>IPOMOEA AQUATICA</i>) AND WATER HYACINTH (<i>EICHHORNIA CRASSIPES</i>) UNDER DIFFERENT METAL STRESSES	93
	M.A.S. Preethika, M.A. Elangasinghe, K.B.S.N. Jinadasa	
155	PERFLUOROOCTANESULFONIC (PFOS) COMPOUNDS IN SRI LANKA – SOURCES AND QUANTIFICATION	94
	C.J. Kosgallana, K.B.S.N. Jinasdasa, G. Amarasooriya, S.K. Weragoda	
165	A SYSTEM TO DETERMINE DYNAMIC RATINGS OF POWER DISTRIBUTION LINES A.H. Wijethunga, J.V. Wijayakulasooriya, J.B. Ekanayake	95
170	DISTRIBUTION SYSTEM VOLTAGE REGULATION USING A SERIES COMPENSATOR R.R.L.L. Wijayaratne, P.J. Binduhewa, S.G. Abeyratne, J.B. Ekanayake	96
	R.R.D.D. 11 yayurume, 1 .5. Dinaunewa, 5.0. Aveyrume , 5.D. Eramayare	
171	USE OF SURFACE MODIFIED SILICA IN REINFORCING A SYNTHETIC POLYMER LATEX	97
	R.L.P. Ramasinghe, G.K.B.M. Gannoruwa, N.M.V.K. Livanage	

187	EXTRACTION AND CHARACTERIZATION OF MONTMORILLONITE NANO PARTICLES FROM NATURAL CLAY DEPOSITS	98
	D.D. Wanasinghe, S.U. Adikary	
188	OPTIMISING ELECTRIC VEHICLE POWERTRAIN COMPONENTS FOR ENHANCED PERFORMANCE	99
	A. Jeevithan, M.M.M. Ahamed, M.P.B. Ekanayake, B.G.L.T. Samaranayake	
205	INDOOR NAVIGATION USING INERTIAL NAVIGATION SYSTEM MEASUREMENTS	100
	A.H.A.D. Abeysekara, D.P. Liyanage, G.M.R.I. Godaliyadda, M.P.B. Eakanayake, J.V. Wijayakulasooriya	
214	CONVERSION OF USED HEAVY FUEL OIL AND LUBRICANT ENGINE OIL MIXER INTO LUBRICATING GREASE	101
	S. Sangar, K. Velauthamoorthy, K. Hamsathvanie	
265	APPLICATION OF THE COUPLED ENERGY SIMULATION AND COMPUTATIONAL FLUID DYNAMICS APPROACH FOR PREDICTING ENERGY PERFORMANCE OF BUILDINGS <i>R.M.P.S. Bandara, R.A. Attalage</i>	102
283	INTERDOLATIVE FINCER DRINT MATCHING TECHNIQUE FOR INDOOR	103
203	INTERPOLATIVE FINGERPRINT MATCHING TECHNIQUE FOR INDOOR LOCALIZATION	103
	L.S.C. Perera, K.A.M.S.V. Amarakoon, W.M.D.S. Weerakoon, G.M.R.I. Godaliyadda, H.A. Suraweera	
284	RUNOFF MODEL DEVELOPMENT FOR NILAMBE CATCHMENT IN SRI LANKA USING HEC-HMS	104
	W.M.S. Priyankara, S.B. Weerakoon, K.D.W. Nandalal	
313	PD SIGNATURE IDENTIFICATION USING RF ANTENNA FOR CONDITION MONITORING IN POWER TRANSFORMERS	105
	D.K. Wijewardena, J.N.N. Shereen, K.M.D.E. Karunarathna, M.A.R.M. Fernando, J.R.S.S. Kumara, D.N. Uduwawala	
317	DESIGN OF THE BUCK CONVERTER FOR A CURRENT CONTROLLED PHOTOVOLTAIC EMULATOR	106
	G.P.M. Godakumara, E.H. Senevirathne, P.J. Binduhewa, J.B. Ekanayake	
319	PV INVERTERS TO ENHANCE THE UTILIZATION OF AC NETWORKS	107
	U.M.T.D. Udagedara, M.R.I.D. Senevirathne, A.F.M. Shameel, P.J. Binduhewa, J.B. Ekanayake	
327	FREQUENCY DOMAIN ICA BASED SIGNAL RESTORATION FROM NON- LINEARLY DISTORTED ACOUSTIC SIGNALS WITH DROPOUTS	108
	Dilika Sumanapala, Dinuka Sumanapala, S. Thushan, G.M.R.I.Godaliyadda, M.P.B. Ekanayake, J.V. Wijayakulasooriya	

328	ASSESSMENTS OF THE IMPACT OF DEDURU OYA LEFT BANK CANAL ON THE CROPPING INTENSITY OF THE EXISTING IRRIGATION SYSTEMS D.S. Sampath, S.B. Weerakoon, B.K. Mishra, S. Herath	109
334	FACE AND EMOTION RECOGNITION USING EIGENFACES WITH PROBABILISTIC AND SIGNAL CROSS CORRELATION METHODS V. Athmajan, N.N. Rajasinghe, A.A. Senerath, M.P.B. Ekanayake, J.V. Wijayakulasooriya, G.M.R.I. Godaliyadda	110
338	Not Presented	
343	AN APPLICATION OF MULTI LEVEL DC-DC CONVERTERS TO MITIGATE DYNAMIC SHADING ON PV CELLS Shankanee Illangarathna, Jayani Karunarathna, Dharshani Kariyawasam, J.B. Ekanayake, P.J. Binduhewa	112
348	Not Presented	
350	Not Presented	
353	EFFECTS OF SAMPLE SIZE IN PREDICTION OF EXPECTED EMPLOYABILITY SKILLS OF ENGINEERING GRADUATES M.M.G.V. Shyamalee, K.S. Walgama	115
354	A STUDY OF DYNAMIC AQUATIC BACKGROUND CONDITIONS FOR FOREGROUND ESTIMATION USING PIXELWISE ONLINE CLUSTERING M.G.S. Jayasinghe, W.S.K. Fernando, A.A. Senerath, M.P.B. Ekanayake, G.M.R.I. Godaliyadda	116
359	VOLTAGE AND CURRENT SENSORS FOR 33 kV EM FIELD BASED FAULT INDICATORS T.D.M.P.T. Bandara, G.K.W.K.N.B. Basnayaka, M.L. Silva, M.A.R.M. Fernando, J.R.S.S. Kumara, D.N. Uduwawala	117
385	PRETREATMENT OF WATER HYACINTH TO IMPROVE ETHANOL AND BIOGAS PRODUCTION: A REVIEW	118
	L.P.S.K. Fernando, S.M.W.T.P.K. Ariyarathna, G.A.S.S. Jayathilaka	
395	SIGNIFICANT EFFICIENCY GAIN IN ORGANIC SOLAR CELLS USING VERY SMALL CONCENTRATIONS OF SEMICONDUCTING SINGLE WALL CARBON NANOTUBES	119
	Waranatha Abeygunasekara, Lilantha Samaranayake, Veranja Karunaratne, Gehan Amaratunga	

422	FEASIBILITY STUDY OF PADDY-STRAW-DERIVED ACTIVATED CARBON FOR DEFLUORIDATION OF DRINKING WATER IN SRI LANKA N.I.K. Ekanayake, M.A. Elangasinghe, S.M.W.T.P.K. Ariyarathna, Rohana Chandrajith	120
446	APPLICATION OF GIS TECHNIQUES TO DEVELOP INSTANTANEOUS UNIT HYDROGRAPH WITH USING CLARK'S METHOD <i>H.K. Nandalal</i>	121
448	ELASTO-PLASTIC BEHAVIOUR OF PERFORATED ALUMINIUM PLATES S.A.S.P. Sathurusinghe, S.R. Herath	122
451	FILLING GAPS IN A HYDROLOGICAL TIME SERIES: A PROBABILISTIC APPROACH H.P.G.M. Caldera, V.R.P.C. Piyathisse, K.D.W. Nandalal	123
456	DEVELOPMENT OF A GUI COMBINED DATABASE FOR RESERVOIRS N.M.N.C. Marapana, K.D.W. Nandalal	124
465	THE EFFECT OF COUPLING AGENT AND MIXING METHODS ON PROPERTIES OF NATURAL RUBBER AND LOW DENSITY POLYETHYLENE BLENDS W.D.M. Sampath, S.M. Egodage, D.G. Edirisinghe	125
471	LOW COST ANTENNA RANGING SYSTEM K.T.D. Priyankara, D.N. Uduwawala	126
503	CAUSES OF DELAYS IN SRI LANKAN BUILDING CONSTRUCTION PROJECTS M. Kesavan, N.N. Gobidan, P.B.G. Dissanayake	127
505	KINETIC STUDY FOR PHOTOCATALYTIC DEGRADATION OF AMARANTH BY NOVEL N-DOPED ${\rm ZrO}_2$ Hanggara Sudrajat, Sandhya Babel	128
506	POSIBILITY OF BIOGAS GENERATION USING INVASIVE PLANT WATER HYACINTH S.M.W.T.P.K. Ariyarathna, L.P.S.K. Fernando	129
515	THERMAL DECOMPOSTION OF ASBESTOS-CEMENT COMPOSITES K.A.P.R. Kaluarachchi, A.M.P.L. Adikari, M. Tabata, N. Gunawardhana	130
517	FOIL ASSISTED PLANING CATAMARAN HULL FOR HYDRO BIKE R.A.M. Prasanna, W.A.D.M. Jayathilaka, M. Sivanathan, W.K. Wimalsiri, P.A.B.A.R. Perera	131
545	PERFORMANCE OF 'PENDULOR' AND POINT ABSORBER WAVE ENERGY CONVERTERS FOR ONSHORE AND OFFSHORE APPLICATIONS IN SRI LANKA H.K.C.J. Kankanamge , S.D.G.S.P. Gunawardane	132
555	MODELING OF A DRIVING MECHANISM FOR A SPHERICAL ROBOT T.W.U. Madhushani, R.N. Ranaweera, J.V. Wijayakulasooriya, S.A.H.A. Suraweera, M.P.R. Fkanayake, R.G.I. T. Sanayanayake, D.H.S. Majihrinala,	133

616	UTLIZING RICE HUSK AS AN ADSORBENT FOR REMOVING DYES FROM WASTEWATER L.G.O.S. Wadasinghe, E.A.M. Geethani, A.M.W. Menike	135
Thei	me 5: Food, Nutrition and Livestock	
51	EFFECT OF THREE DIFFERENT PACKAGING MATERIALS ON COLOUR AND MOISTURE CONTENT OF DEHYDRATED GARLIC POWDER DURING STORAGE U.G. Chandrajith, R.M.R.N.K. Ratnayake, K.G.L.R. Jayathunge, B.M.K.S. Tilakarathne	137
119	IMPROVEMENT OF STORAGE STABILITY AND QUALITY OF COCONUT (COCOS NUCIFERA) MILK K.D.M.M. Gamage, P.C. Arampath, S.S. Lanckachandra	138
161	PATTERN OF BREAKFAST CONSUMPTION AMONG ADVANCED LEVEL FEMALE STUDENTS IN A SELECTED SCHOOL IN COLOMBO DISTRICT W.S. Wathurapatha, K.A.K. Waruni, K.B. Warnasekara, P. Ranasinghe, D.B.D.L. Samaranayake	139
178	INVESTIGATING THE CAPABILITY OF SELECTED LEGUME PROTEINS TO FORM NANO-SCALE PARTICLES WITH CARRAGEENAN K.G.I.D. Koralegedara, C.A. Hettiarachchi, B.D.R. Prasantha, K.M.S. Wimalasiri	140
180	A PILOT STUDY ON BIOETHANOL PRODUCTION FROM ROTTEN CUCUMBER (CUCUMIS SATIVUS) Maduja Divarathna, P.H.P. Fernando, A.M.P.S.T. Bandara	141
238	EFFECT OF PROCESSING METHOD ON PHYSICAL AND SENSORY CHARACTERISTICS OF SOY (GLYCINE MAX) MILK M.P.M.S.H. Perera, R. Sivakanesan, D.T.D.J. Abeysekara, K.H. Sarananda, K.F.S.T. Silva	142
244	DIETARY SUPPLEMENTATION OF DRIED SPIRULINA PLATENSIS ON GROWTH PERFORMANCES OF BROILER CHICKEN B.C. Jayawardana, R. Liyanage, J.K. Vidanarachchi, P.M.K.A.H. Keerthikumara, P. Weththasinghe	143
268	COMPARISON OF NUTRIONAL AND FUNCTIONAL PROPERTIES OF RAW AND PROCESSED MUNG BEAN (VIGNA RADIATA) B.C. Jayawardana, R. Liyanage, J.K. Vidanarachchi, S.D. Chandrasiri, P. Weththasinghe	144
269	CONSUMER PREFERENCES IN PURCHASING ORGANIC FRUITS IN KELANIYA D.S DIVISION W.P.S. Wijesinghe, P. Sivashankar, I.C. Hettiarachchi, R.P. Mahaliyanaarachchi, B.E.S. Bandara	145

282	PROCESSED MUNG BEAN (<i>VIGNARADIATA L.</i>) INCORPORATED DIETS MODULATED SERUM LIPID AND GLUCOSE CONCENTRATIONS IN WISTAR RATS (<i>RATTUSNORVEGICUS</i>)	146
	Chaturanga Kiramage, Pabodha Weththasinghe, Chathuni Jayathilake, Rizliya Visvanathan, P. Fernando, B.C. Jayawardana, J.K. Vidanarachchi, Ruvini Liyanage	
299	HOUSEHOLDS' ATTITUDES ON CONSUMPTION OF GREEN LEAFY VEGETABLES IN SEMI URBAN AREAS IN COLOMBO DISTRICT, SRI LANKA L.N.S. De Silva, P. Sivashankar, I.C. Hettiarachchi, R.P. Mahaliyanaarachchi, B.E.S. Bandara	147
302	MORPHOLOGICAL AND MORPHOMETRIC ANALYSIS OF INDIGENOUS GOATS FOUND IN EASTERN REGION OF SRI LANKA L.S.H.S. Harshana, M.S. Kurukulasuriya, G.L.L.P. Silva	148
303	A COMPARATIVE STUDY ON DIETARY FIBER, ANTIOXIDANT CONSTITUENTS AND FUNCTIONAL PROPERTIES OF <i>ELEUSINE CORACANA</i> (FINGER MILLET) AND <i>ORYZA STIVA</i> (RICE)	149
	L.H.M.P.R. Lansakara, R. Liyanage, K.A. Perera, I. Wijewardana, B.C. Jayawardena, J.K. Vidanarachchi	
307	FACTORS AFFECTING THE VEGETABLE PRODUCTION IN BALANGODA DIVISIONAL SECTRTARIAT	150
	N.S. Galearachchi, R.P. Mahaliyanarachchi, P. Sivashankar, I.C. Hettiarachchi, B.E.S. Bandara	
308	ANTIOXIDANT AND AMYLASE INHIBITORY ACTIVITY OF MEDICINAL PLANTS IN SRI LANKA	151
	Rizliya Visvanathan, Chathuni Jayathilake, Ruvini Liyanage	
325	INSTANT FOOD CONSUMPTION PATTERN AMONG UNDERGRADUATES OF SABARAGAMUWA UNIVERSITY OF SRI LANKA AND WAYAMBA UNIVERSITY OF SRI LANKA	152
	A.A.C. Krishani, P. Sivashankar, I.C. Hettiarachchi, R.P. Mahaliyanaarachchi, B.E.S. Bandara	
332	A COMPARISON OF PHYSICOCHEMICAL PROPERTIES OF BUTTER MADE FROM MILK DERIVED FROM THAMANKADUWA WHITE VS. FRIESIAN BREEDS IN SRI LANKA	153
	M.B. Samarasinghe, J.K. Vidanarachchi, S.M.C. Himali	
379	SENSITIVITY ANALYSIS OF THE MAXIMUM TEMPERATURE IN THE SEED PASTE BEING EXPRESSED IN A SCREW EXPELLER	154
	L.P.S.K. Fernando, R. Shanthini	
412	INFLUENCE OF PACKAGING ATTRIBUTES ON CONSUMER'S PURCHASING DECISION OF PASTEURIZED MILK	155
	W.L.N. Gunarathna, B.E.S. Bandara, P. Sivashankar, I.C. Hettiarachchi, R.P. Mahalivanaarachchi	

417	BIOACTIVE AND NUTRITIONAL PROPERTIES OF AERIAL PARTS OF $TRICHOSANTHES$ $CUCUMERINA$ LINN	156
	Harshani Nadeeshani, Chathuni Jayathilake, V. Rizliya, Ruvini Liyanage, Swarna Wimalasiri	
426	A STUDY ON THE DEVELOPMENT AND QUALITY ASSESSMENT OF PINEAPPLE POWDER AS A VALUE ADDED INGREDIENT FOR FOOD PRODUCTS	157
	T. Mahendran, Y. Inthujaa	
427	A STUDY ON FATTY ACID COMPOSITION OF OIL EXTRACTED FROM CRAB ($PORTUNUS\ PELAGICUS$) MEAT AND FISH OIL	158
	D. Premarathna, R.P.V.J. Rajapakse, E Pathirana, A.P. Jayasooriya	
484	DEVELOPMENT OF CEREAL AND PULSE BASED YOGHURT FOR TODDLERS D.N. Jayawardhana, N.Y. Jayanath, N. Perera	159
499	EFFECT OF EXTRACTION TEMPERATURE UPON THE QUALITY OF SESAME OIL, AND INVESTIGATION OF FACTORS AFFECTING ITS MARKETABILITY IN SRI LANKA	160
	J.M.C.M. Jayasekara, D.C.K. Illeperuma, R. Shanthini	
507	COMPARISON OF THE QUALITY OF COMMERCIALLY AVAILABLE SESAME OIL PRODUCED BY SEKKU AND BY SCREW EXPELLER	161
	G.L.C.L. Bandara, A.M.W. Menike, R. Shanthini	
519	EFFECT OF PHYSICALLY STRUCTURED WATER PRODUCED BY NANO- TOURMALINE IMPREGNATED CERAMIC BEADS ON IMPROVING EXTRACTABILITY OF CAFFEINE, CURCUMIN AND OIL EMULSIFICATION	162
	S.M.C.S. Samarakoon, D.C.K. Illeperuma, M. Gunawardana	
534	MORPHOLOGICAL AND PRODUCTION SYSTEM CHARACTERISTICS OF INDIGENOUS WHITE CATTLE IN SRI LANKA	163
	T. Rifkhan, W.N.U. Perera, G.L.L.P. Silva	
535	EFFECT OF ECOTYPES AND FEEDING SYSTEMS ON THE QUALITY AND FUNCTIONAL PROPERTIES OF BACKYARD CHICKEN EGGS	164
	R.R.B. Rajapaksha, L.C. Madushani, G.L.L.P. Silva, S.M.C. Himali	
537	EVALUATION OF METHODS IN DETERMINATION OF SUGAR CONTENT OF BLACK TEA TO DETECT ADULTERATIONS	165
	D.H.D.C. De Silva, G.A.A.R. Perera, K.M.S. Wimalasiri	
543	A CASE STUDY ON INFECTIOUS BURSAL DISEASE AND NEW CASTLE DISEASE IN RELATION TO CLIMATIC PATTERN IN POULTRY IN NORTH CENTRAL PROVINCE OF SRI LANKA	166
	U.A.C. Priyadarshana, M.S. Kurukulasuriya, L.D.B. Suriyagoda, B.V.R. Puyawardena , G.L.L.P. Silva	
553	COMPARISON OF TABLE CHICKEN EGGS SOLD IN FOUR DISTRICTS IN SRI LANKA BASED ON QUALITY ATTRIBUTES	167
	VHST Wiekramasingho IV Vidanarachehi SMC Himali	

563	BOVINE TUBERCULOSIS: A HISTOPATHOLOGICAL STUDY OF THE LUNG LESIONS	168
	P.G.I.D. Amarasiri, R.M.T.M. Ramanayake, A.C. Karawita, K.U.E. Perera, W.R. Jayaweera, G.S.P. de S. Gunawardena	
566	EFFECT OF LIPID PEROXIDATION ON PROTEIN QUALITY OF SNAKEHEAD FISH (CHANNA STRIATA) STORED AT -10°C FOR 28 DAYS	169
	R.M.T.M. Ramanayake, H.L.S.K. Hiniduma, T.J. Withanage, D.M.S. Munasinghe	
571	BIOCHEMICAL CHANGES OF NILE TILAPIA (OREOCHROMIS NILOTICUS) STORED IN -10°C	170
	T.J. Withanage, H.L.S.K. Hiniduma, N.H. De Silva, L.J.P.A.P. Jayasooriya, D.M.S. Munasinghe	
603	COMPARISON OF THE ANTIOXIDANT ACTIVITIES OF SOXHLET EXTRACTS OF SRI LANKAN BLACK, GREEN AND "FACTORY DISCARDED" TEA	171
	T.M. Erandika, P.D. Abeysinghe, P. Ranasinghe, Alex White, L.A.L.W. Jayasekara, R.N. Pathirana, S. Abeysinghe	
618	LIPID CONTENT AND FATTY ACID PROFILE OF EDIBLE OYSTER CRASSOSTREA MADRASENSIS IN PUTTALAM LAGOON; SRI LANKA	172
	M.M. Subasinghe, B.K.K.K. Jinadasa, A.N. Navarathne	
The	me 6: Health Sciences	
7	INFLUENCE OF AGE ON PHYSICAL FITNESS FACTORS OF SCHOOL BADMINTON PLAYERS	173
	C. Pathmanathan, J.A.O.A Jayakody, M.P.M. Perera, W.V.D.N. Weerarathna, D.K.D.C. Indeewari, S. E. Nirosha, T. Kaethieswaran, S.B Adikari	
14	THE EFFECT OF INVOLVEMENT IN OTHER SPORTS ACTIVITIES ON THE PERFORMANCE OF SCHOOL BADMINTON PLAYERS	174
	C. Pathmanathan, J.A.O.A. Jayakody, M.P.M. Perera, W.V.D.N. Weerarathna, D.K.D.C. Indeewari, S.E. Nirosha, T. Kaethieswaran, S.B. Adikari	
17	DIFFERENT CULTURAL PRACTICES AND HEALTH SEEKING BEHAVIOURS ASSOCIATED WITH VAGINAL DISCHARGE	175
	I.M.P.S. Ilankoon, C.S.E. Goonewardena, P.P.R. Perera, R.C. Fernandopulle	
33	KNOWLEDGE AND DISTRIBUTION OF RISK FACTORS OF OSTEOPOROSIS AMONG FEMALE UNDERGRADUATES IN UNIVERSITY OF PERADENIYA	176
	D.S. Dissanayake, P.L. Thilakarathna, K.M.L.M.B. Kavisekara, T.B. Udagedara, M.A.M. Prabodini	
36	VIDEO MOTION ANALYSIS OF THE STARTUP IN SPRINTERS	177

65	A RARE VARIATION OF THE LEFT RENAL VEIN Linushika De Silva, Sanduni De Silva, Sanjaya Adikari, Gamini Wijeratne	178
80	RENAL DISEASE PATTERN IN A SAMPLE OF SRI LANKAN ADOLESCENTS UNDERGOING RENAL BIOPSY	179
	Sulochana Wijetunge, N.V.I. Ratnatunga, N. Nanayakkara, A.W.M. Wazil, E.M.P.M.R. Ekanayaka, H.G.R.B.L. Hewawasam, N. Herath	
84	KNOWLEDGE AND PERCEPTIONS ON CANCER PALLIATIVE CARE AMONG SRI LANKAN NURSES: A QUALITATIVE STUDY	180
	M.K.D.L. Meegoda, D.M.S. Fernando, S. Sivayogan, N.O.S. Atulomah, R.B. Marasinghe, J. Jayasiri	
100	FACTORS INFLUENCING THE PHYSICAL INACTIVITY AMONG HIGH SCHOOL STUDENTS IN THE DISTRICT OF JAFFNA, SRI LANKA S. Thiruvarangan, C.A. Gnanathasan	181
115	RELATIONSHIP BETWEEN RANGE OF LUMBAR FLEXION AND EXTENSION WITH GENDER AND ANTHROPOMETRIC MEASUREMENTS OF HEALTHY YOUNG UNDERGRADUATE STUDENTS WHO DO NOT ENGAGE IN REGULAR PHYSICAL TRAINING: A STUDY CONDUCTED IN UNIVERSITY OF PERADENIYA, SRI LANKA	182
	K.D.S.M. Kiriarachchi, K.M.R. Kanchana, K. Ropitha, U.M. Luthfi, J.M.S.P. Gunathilake, S. Shaminy, Jayampathy Dissanayake	
127	STUDY ON IMPACT OF ANATOMICAL LOCATION OF RENAL STONES ON MECHANISM OF NUCLEATION AND GROWTH IN SRI LANKAN POPULATION <i>P.D.N.S. Sumanadasa, H.M.G.T.A. Pitawala, J.G.S. Ranasinghe</i>	183
136	EFFECTS OF AEROBIC TRAINING (AT) AND RESISTANCE TRAINING (RT) ON BODY COMPOSITION OF FIRST YEAR FEMALE STUDENTS IN THE UNIVERSITY OF PERADENIYA	184
	D.A.R.K. Dasanayaka, K.M. Wickremanayake, A.P. Lakmali, A.M.R. Madhusanka, J.A.G.F. Perera, K.K.T.P. Ranaweera, H.M.B.S.K. Banneheka	
141	ECTOPARASITES (TICKS AND FLEAS) OF SMALL MAMMALS (MURINE RODENTS AND SHREWS) FROM SELECTED SITES IN KURUNEGALA AND KANDY DISTRICTS	185
	Saranga Yathramullage, Umesha Dissanayake, R.S. Rajakaruna, Suyama Meegaskumbura	
145	AWARENESS OF MENSTRUAL HYGIENE AMONG ADOLESCENT GIRLS IN THE KANDY EDUCATIONAL DIVISION	186
	R.A.G.C.A. Karunarathne, B.M.H.S.K. Banneheka	
152	IRRATIONAL USE OF ANTIBIOTICS AMONG FINAL YEAR UNDERGRADUATES OF FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF PERADENIYA W.M.A.U.K. Wijesinghe, M.H.F. Sakeena	187
158	EFFECT OF GLYCAEMIC CONTROL ON SERUM CONCENTRATION OF THIOBARBITURIC ACID REACTIVE SUBSTANCE IN LONG TERM DIABETES MELLITUS PATIENTS R.M.D. Udayangani, R. Sivakanesan, P.L. Kuruppuarachchi	188

160	DETERMINATION OF HYPOGLYCEMIC ACTIVITY OF THE LEAVES OF ADENANTHERA PAVONINA (MADATIYA): AN ANIMAL STUDY N.A. Sanjeewani, P.H.P. Fernando, D.B.M. Wickramarathne	189
163	GLYCAEMIC CONTROL AND ANTIOXIDANT STATUS IN PATIENTS WITH LONG TERM DIABETES MELLITUS	190
	R.M.D. Udayangani, R. Sivakanesan, P.L. Kuruppuarachchi	
164	DEVELOPMENT OF A BRIEF INVENTORY FOR QUALITY EVALUATION OF PANORAMIC RADIOGRAPHS	191
	A.J.S.P. Nileema, D.M.J. Nuwan, R.W. Pallegama, R.D. Jayasinghe	
166	MICROALBUMINURIA AND ANTIOXIDANT STATUS IN LONG TERM DIABETES MELLITUS PATIENTS	192
	R.M.D. Udayangani, R. Sivakanesan, P.L. Kuruppuarachchi	
172	PILOT STUDY ON CHANGES IN SOME TRACE ELEMENTS IN LONG BONES IN OVARIECTOMIZED MICE	193
	E.G.C.N. Premathilaka, G.K.M. Godakumara, P.H.P. Fernando, C.N.R.A. Alles, M.C.N. Perera, H.N.S. Soysa	
184	A COST EFFECTIVE FEASIBLE METHOD TO TRANSPORT DENGUE VIRAL NUCLEIC ACID IN AMBIENT TEMPERATURE FOR NEXT GENERATION SEQUENCING	194
	Kalamathy Murugananthan, Arumugam Murugananthan, Adam Chernick, Frank van de Meer, Faseeha Noordeen, Faizal Abdul-Careem	
189	AN ASSESSMENT OF PELVIC SURFACE DOSE DURING CHEST RADIOGRAPHY IN FEMALE PAEDIATRIC IMAGING	195
	C.C.B. Basnayaka, R.M.A.S. Bandara, S. Sivaruban, D.P. Nanayakkara	
190	ABUNDANCE AND DIVERSITY OF ANOPHELINE LARVAE IN RELATION TO PHYSICOCHEMICAL PARAMETERS OF BREEDING HABITATS IN SELECTED SITES IN MANNAR, SRI LANKA	196
	R.M.T.B. Ranathunga, P.A.D.H.N. Gunathilaka, D.N. Kannangara, W. Abeyewickreme, M.D. Hapugoda	
195	TNF-A AND IL-2 LEVELS IN DENGUE PATIENTS; CHANGES WITH CLINICAL PROFILES	197
	Thamarasi Senaratne, Faseeha Noordeen, Jillian Carr	
201	GENOTYPIC VARIATION IN THE WHITE SPOT SYNDROME VIRUS ISOLATED FROM NORTH-WESTERN AND EASTERN PROVINCES IN SRI LANKA	198
	T.R. Wimalarathne, M.N.M. Fouzi, R.P.V.J. Rajapakse	
202	MEASURING RADIATION DOSE TO THE HAND OF A NUCLEAR MEDICINE TECHNOLOGIST AT A SELECTED PRIVATE HOSPITAL	199
	H.L. Gamage, W.K.D.A. Dharmarathne, R. Hewamanna	

203	DEMOGRAPHY AND AETIO-PATHOLOGY OF VALVULAR HEART DISEASES IN PATIENTS UNDERGOING VALVE REPLACEMENT	200
	R.N. Waduge, K. Gnanakanthan, L.A.P.D. Karunarathne, D.S.K. Thennakoon, R.B.L. Hewawasam, P.M.R. Ekanayaka	
204	DOES DRINKING NATURAL SPRING WATER INCREASE THE RISK OF DEVELOPING URINARY STONES?	201
	Udaya Ralapanawa, Buddhika Abeywickrama, Rohana Chandrajith	
207	FACTORS ASSOCIATED WITH PATIENTS' USE AND SATISFACTION WITH COMPLETE DENTURES	202
	I.P. Thilakumara, T. Anandamoorthy, J.A.V.P. Jayasinghe, R. Pallegama	
208	OPTIMUM CUFF INFLATION VOLUMES OF ENDOTRACHEAL TUBE FOR DIFFERENT TUBE SIZES IN SRI LANKAN ADULTS	203
	H.M.A.H. Abayasinghe, A.M.W.B.M.T.M. Ekneligoda, Y.M. Gunasekara, H.M.D.R.B. Hindagoda, H.D.H. Nambige, B.A.M. Premadasa, C.G. Senevirathne, K.A.D. Thilaksha, S.D.I. Nanayakkara, P.S.K. Nanayakkara	
215	ESTABLISHMENT AND MAINTENANCE OF LABORATORY COLONIES OF <i>AEDES ALBOPICTUS</i> MOSQUITOES	204
	N.D.A.D. Wijegunawardana, P.A.D H.N. Gunathilaka, R. Dassanayake, Y.I.N. Silva Gunawardene, W. Abeyewickreme	
218	EVALUATION OF THE SPATIAL AND TEMPORAL TRENDS OF DENGUE OUTBREAKS IN GAMPOLA, CENTRAL PROVINCE, SRI LANKA	205
	N.W.B.A.L. Udayanga, P.A.D.H.N. Gunathilaka, M.C.M. Iqbal, P.H.D. Kusumawathie, M.M.M. Najim, U.S. Amarasinghe, W. Abeyewickreme	
219	ATTITUDES AND WILLINGNESS TO UNDERGO A PAP SMEAR TEST AMONG MARRIED WOMEN IN INGIRIYA MOH AREA, SRI LANKA	206
	T.C. Dodangoda, M.K.D.L. Meegoda	
222	INFLUENCE OF NODULE OFFSET IN CAD PERFORMANCE EVALUATION OF LUNG CANCER CT SCREENING: A VIRTUAL NODULE STUDY	207
	D.M.J. Nuwan, S. Wada, M. Ohkubo, A. Yoshida, H. Kobayashi	
223	COMPARISON OF TACROLIMUS 0.1% AND CLOBETASOL 0.05% IN THE MANAGEMENT OF SYMPTOMATIC ORAL LICHEN PLANUS : A RANDOMIZED DOUBLE – BLIND TRIAL IN A TERTIARY CARE CENTRE	208
	P.V.K.S. Hettiarachchi, R.D. Jayasinghe, M.A.M. Sitheeque	
225	CHARACTERISTICS OF UROFLOWMETRY: CORRELATIONS OF AGE WITH TOTAL INTERNATIONAL PROSTATE SYMPTOM SCORE (IPSS) AND MAXIMUM FLOW RATE IN PATIENTS WITH LOWER URINARY TRACT SYMPTOMS (LUTS)	209
	U.B. Pethiyagoda, L.A.M.J. Dissanayake, W.M.N.K. Wijesuriya, M.B.T.D. Rajapaksha, W.G.D.H. Bandara, E. Theswa	

231	EFFECT OF RECONSTRUCTION KERNEL AND SLICE THICKNESS ON THE PERFORMANCE OF CAD SOFTWARE USED IN THE SCREENING OF LUNG CANCER	210
	C.M. Munaweera, S. Wada, M. Ohkubo, R.D. Jayasinghe	
233	A DESCRIPTIVE STUDY ON EPIDEMIOLOGY AND CHARACTERISTICS OF UROFLOWMETRY AMONG PATIENTS WITH LOWER URINARY TRACT SYMPTOMS (LUTS)	211
	U.B. Pethiyagoda, W.M.N.K. Wijesuriya, L.A.M.J. Dissanayake, M.B.T.D. Rajapaksha, W.G.D.H. Bandara, E. Theswa	
235	CORRELATION BETWEEN PROSTATE VOLUME AND LOWER URINARY TRACT SYMPTOMS (LUTS) AS MEASURED BY INTERNATIONAL PROSTATE SYMTOM SCORE (IPSS)	212
	A.U.B. Pethiyagoda, M.B.T.D. Rajapaksha, L.A.M.J. Disanayake, W.M.N.K. Wijesooriya, W.G.D.H. Bandara, E Theswa	
236	ANALYSIS OF FACTORS INFLUENCING STRESS AMONG NURSES IN INTENSIVE CARE UNITS OF TWO SELECTED TEACHING HOSPITALS	213
	G.V.I. Champika, Y.C. Subasinghe, N.B.K. Deepika, D.P.D.S. Dissanayake, P.W.G.D.P. Samarasekara	
240	THE ASSOCIATION BETWEEN DIABETES MELLITUS AND LOWER URINARY TRACT SYMPTOMS AMONG PATIENTS REFERRED FOR UROFLOWMETRY	214
	U.B. Pethiyagoda, W.G.D.H. Bandara, L.A.M.J. Dissanayake, W.M.N.K. Wijesooriya, M.B.T.D. Rajapaksha, E. Theswa	
242	IMPACT OF SMOKING ON LOWER URINARY TRACT SYMPTOMS AMONG PATIENTS REFERRED TO THE FACULTY OF MEDICINE FOR UROFLOWMETRY	215
	U.B. Pethiyagoda, W.G.D.H. Bandara, L.A.M.J. Dissanayake, W.M.N.K. Wijesooriya, M.B.T.D. Rajapaksha, E. Theswa	
246	ANALYZING THE FACTORS INFLUENCING THE SELECTION OF CONTRACEPTIVE METHODS AMONG MARRIED WOMEN IN SELECTED LOCATIONS OF BATTICALOA DISTRICT	216
	P. Youhasan, S. Sujendran	
247	ASSOCIATION BETWEEN TRUNK FLEXIBILITY, TRUNK CURVATURE AND BOWLING SPEED AMONG UNDER NINETEEN SCHOOL BOY CRICKET FAST BOWLERS IN COLOMBO DISTRICT	217
	P.G.I. Udayanga, W.D.N. Dissanayake	
250	A SAFETY STUDY ON A NOVEL AYURVEDIC PREPARATION, SUDARSHANA SUSPENSION, IN HEALTHY ADULT VOLUNTEERS	218
	W.A.S.S. Weerakoon, P.K. Perera, D. Gunasekera, T.S. Suresh	
256	EPIDEMIOLOGY AND CLINICAL MANIFESTATIONS OF HUMP-NOSED PIT VIPER (GENUS: <i>HYPNALE</i>) ENVENOMATION	219
	R.M.M.K. Namal Rathnayaka, S.A.M. Kularatne, R.P.V. Jayantha Rajapakse, J.G. Shirani Ranasinghe, P.E.A. Nishanthi Ranathunga	

274	ANALYSIS OF CLINICAL FEATURES OF A GROUP OF SRI LANKAN MULTIPLE SCLEROSIS PATIENTS	220
	S.M.K. Gamage, I. Wijeweera, L.Y. Herath, S.B. Adikari, H.M.A. Sominanda	
281	MAGNETIC RESONANCE IMAGING CHARACTERISTICS IN A GROUP OF MULTIPLE SCLEROSIS PATIENTS IN SRI LANKA	221
	S.M.K. Gamage, I. Wijeweera, L.Y. Herath, S.B. Adikari, H.M.A. Sominanda	
285	PREVALENCE AND ASSOCIATED FACTORS OF FLAT FOOT AMONG 6 -10 AGED SCHOOL CHILDREN IN GANGAIHALA KORALE EDUCATIONAL DIVISION V.V. Senadheera, B.M. Nawagamuwa, K. Nidhya, S. Sivappriyan, W.M.S.M. Warnasooiya, P.M. Maduranga	222
291	AN AUDIT ON THE OCCUPATIONAL DISTRIBUTION OF PATIENTS WITH UROLITHIASIS PRESENTING TO TEACHING HOSPITAL PERADENIYA (THP) A.U.B. Pethiyagoda, E Theswa, L.A.M.J. Dissanayake, M.B.T.D. Rajapaksha, N.K. Wijesuriya, D. Bandara, K. Pethiyagoda	223
292	Not Presented	
300	IN VIVO CONTACT ANALYSIS OF METACARPOPHALANGEAL (MCP) JOINT USING MAGNETIC RESONANCE IMAGING (MRI) W.A.P. Ruwan, M. Sakamoto, K. Kobayashi	225
306	DETERMINATION OF SUN PROTECTION FACTOR OF COMMERCIALLY AVAILABLE SUNSCREENS	226
	N.G.P.D. Nawarathna, H.M D.R. Herath, S.H.T. Sudeshika	
311	PREVALENCE OF HYPERTENSION AND ASSESSMENT OF ITS MANAGEMENT IN RELATION TO THE LIFE STYLE MODIFICATIONS IN A RURAL COMMUNITY IN THE DISTRICT OF KANDY	227
	P.V.R. Kumarasiri, R.M.D.K. Rathnayaka, A.K.C.M. Abeywardhana, D.M.P.U.K. Ralapanawa, S. Wijepala, K.M.C.U. Champika	
312	CHANGES IN SERUM NITRITE AND NITRATE LEVELS IN DENGUE AND DENGUE HEMORRHAGIC FEVER	228
	Maheshi Mapalagamage, Shiroma Handunnetti, Gayani Premawansa, Sharmila Thillainathan, Dharshan De Silva, Sunil Premawansa	
315	USE OF OVITRAP SURVEILLANCE IN ASSESSING DENGUE OUTBREAK RISK IN SELECTED AREAS IN COLOMBO DISTRICT	229
	M.D. Nirmani, R.K. Madusanka, K.L.N. Perera, G.H. Galhena	
324	PREVALENCE OF DIABETES MELLITUS IN A SELECTED RURAL COMMUNITY IN KANDY DISTRICT AND THE ASSESSMENT OF UTILIZATION OF LIFESTYLE MODIFICATIONS	230
	P.V.R. Kumarasiri, A.K.C.M. Abeywardhana, R.M.D.K. Rathnayake, D.M.P.U.K. Ralananawa, S. Wijepala, K.M.C.U. Champika	

326	THE EFFECTS OF COMMONLY USED FUNGICIDE "MANCOZEB" ON EMBRYO IMPLANTATION AND FERTILITYAN <i>IN VIVO</i> MICE STUDY	231
	M.A.M. Ihshan, M.P.B. Wijayagunawardena, R.M.C.J. Rathnayake, C.K.F. Lee, S.P. Kodithuwakku	
330	CORRELATION BETWEEN ANAEMIA AND THIOBARBITURIC ACID REACTIVE SUBSTANCES IN PATIENTS WITH LONG TERM DIABETES MELLITUS	232
	R.M.D. Udayangani, R. Sivakanesan, P.L. Kuruppuarachchi	
331	EVALUATION OF THE RADIATION DOSE DURING THE MULTIPHASE ABDOMINOPELVIC SCAN OF MULTIDETECTOR COMPUTED TOMOGRAPHY (MDCT) IN DIFFERENT TYPES PROTOCOLS	233
	P. Sathyathas, H.M.I.S.W. Herath	
335	OPTIMIZATION OF THE CELL CULTURE MEDIA TO OBTAIN THE MOST EFFECTIVE NUTRIENT CONCENTRATIONS IN THE MEDIUM FOR THE GROWTH AND MAINTENANCE OF THE MYELOMA CELLS	234
	M.M.E. Munasinghe, A.M.M.H. Athapaththu, P.A.D.H.N. Gunathilaka, W. Abeyewickreme	
339	DISPENSING PATTERNS OF CONTROLLED RELEASE TABLETS IN KANDY MUNICIPAL AREA, SRI LANKA	235
	Dhakshila Niyangoda, R.C. Jayathunga, S.H.T. Sudeshika	
342	COMPARISON OF THE GLYCAEMIC INDEX OF STRING HOPPER FOOD AND STRING HOPPER MEALS IN CONTROLLED DIABETICS	236
	A.M. Muthalib, K.A. Naser, R. Sivakanesan, B.M. Nageeb	
378	SAFETY EVALUATION OF ANTICARCINOGENIC α – ELEOSTEARIC ACID RICH FAT EXTRACTED FROM <i>MOMORDICA CHARANTIA</i> (BITTER MELON) SEEDS USING A MOUSE MODEL	237
	K.N.K. Ranasinghe, A.P. Jayasooriya, A.J. Hilmi, S.A.M. Kularatne, T. Madhujith, R.P.V.J. Rajapakse	
390	METRIC AND NON-METRIC CHARACTERISTICS OF THE FEMUR IN A CONTEMPORARY SRI LANKAN POPULATION	238
	H.M.R.W. Angammana, H.R.D. Peiris, Y.M.T.Y. Wijeratne, K.M.T.R. Seneviratne, P.P.K. Wickramaratne, K.P. Mallikaratne, N.S. Piyaratne, S. Mendis, B.M.H.S.K. Bannehaka, A.K.S. Arambawatta, J.A.C.K. Jayawardena, C.D. Nanayakkara	
399	AN EVALUATION OF THE EFFECT OF DEVELOPMENT TIME ON X-RAY FILM DENSITY	239
	R.D. Jayasinghe, B.S. Weerakoon, M.G.R.S. Perera	
401	PATTERN OF LOWER EXTREMITY INJURIES AMONG MALE SCHOOL FOOTBALL PLAYERS IN KANDY EDUCATIONAL ZONE	240
	S.A.D.N. Chathuranga, J.J. Hodson, N.D. Abenayake, R.P.H. Anuradha, R.M.C.M. Rathnayake, K.A.T.S. Mihindukula, B.M.H.S.K. Banneheka	
406	ELUCIDATION OF THE RELATIONSHIP BETWEEN A BONE TURNOVER MARKER, CTX, AND SOME TRACE MINERALS	241
	G.V.M. Godglymana, F.G.C.N. Promathilako, N. Allos, P.H.P. Formando, N.S. Soysa	

408	STUDENTS' PERFORMANCE AND PERCEPTIONS WHEN USING DIGITAL CADAVER IMAGES VERSUS COMPUTER GRAPHICS IN LEARNING ANATOMY	242
	Chantha Jayawardena, Patricia Reynolds	
414	EVALUATION OF ROOT AND ROOT CANAL MORPHOLOGY OF PERMANENT FIRST AND SECOND MANDIBULAR MOLARS USING CONE BEAM COMPUTED TOMOGRAPHY (CBCT) IN A SRI LANKAN POPULATION	243
	P.K. Jayasundara, R.D. Jayasinghe, M.C.N. Fonseka, K.A. Wettasinghe	
415	EFFICACY OF DIFFERENT NON-SURGICAL METHODS IN THE MANAGEMENT OF NON-VITAL TEETH WITH LARGE PERIAPICAL LESIONS	244
	M.C.N. Fonseka, P.A.D.M.R. Gunathilake, R.L. Wijeyeweera, K.M. Wijerathne, K.A. Wettasinghe	
424	CULTURALLY ACCEPTABLE PRACTICES FOR MANAGEMENT OF DIABETES MELLITUS AMONG THE TAMILS LIVING IN THE BATTICALOA DISTRICT G. Kisokanth, S. Prathapan, J. Indrakumar, J. Joseph	245
439	KNOWLEDGE AND ATTITUDES ON DIABETES MELLITUS IN A RURAL	246
137	POPULATION IN SRI LANKA	2.0
	Udaya Ralapanawa, Kushalee Jayawickreme, Madhushanka Ekanayake	
462	PLASMA CELL MUCOSITIS AFFECTING ORAL MUCOSA: A REPORT OF 11 CASES	247
	H.G.R.N. Weerasinghe, B.S.M.S. Siriwardena, R.D. Jayasinghe, W.M. Tilakaratne	
464	AN ANALYSIS OF CERVICAL LYMPH NODES METASTASIS IN ORAL SQUAMOUS CELL CARCINOMA: RELATIONSHIP BETWEEN CLINICAL AND HISTOPATHOLOGICAL STATUS OF NODAL METASTASIS	248
	A.L.M. Rizan, R.D. Jayasinghe, B.S.M.S. Siriwardena, A.M. Attygalla	
468	α-GLUCOSIDASE INHIBITORY ACTIVITY OF <i>SYZYGIUM CUMINI</i> LEAF EXTRACTS	249
	J. Poongunran, H.K.I. Perera, W.I.T. Fernando, L. Jayasinghe	
474	THE USEFULNESS OF TUMOUR THICKNESS IN PREDICTING NODAL METASTASIS OF ORAL SQUAMOUS CELL CARCINOMA (PRELIMINARY STUDY)	250
	R.K. De Silva, B.S.M.S. Siriwardena, W.M. Tilakaratne	
477	COMPARISON OF SERUM ELECTROLYTE CONCENTRATIONS MEASURED IN ARTERIAL BLOOD GAS ANALYSER AND ION SELECTIVE ELECTRODE ANALYSER	251
	G.D.M.C. Gonapaladeniya, I.D. Siriwardana, B.K.T.P. Dayanath, K. Jayasekara	
480	EVALUATION OF DISSOLUTION PROFILE AND PHYSICAL PARAMETERS OF METFORMIN HYDROCHLORIDE SUSTAINED RELEASE TABLETS IN THE SRI LANKAN MARKET	252
	V. Ajeethan, D. Shanika, Nedra Karunaratne	

485	A COMPARISON BETWEEN SODIUM FLUORIDE AND ACIDIFIED BLOOD SAMPLES TO PREVENT <i>IN-VITRO</i> REDUCTION OF BLOOD GLUCOSE I. Uluwaduge, K. Thillainathan, J. Jeyachandran, S.S.P. Gamage	253
492	ABSENT FOOT PULSES AMONG A GROUP OF MEDICAL STUDENTS WHO DO NOT HAVE A HISTORY SUGGESTIVE OF PERIPHERAL VASCULAR DISEASE H.M.K.B. Herath, S.B. Adikari, C.C. Munasinghe, P.L. Thilakarathna, M.F.F. Fazlina, I.K.A. Jayanath, R.P.S.P. Pathirana	254
493	ADVERSE EFFECTS IN ELDERLY MULTIPLE MYELOMA TREATED WITH NOVEL ANTI-MYELOMA AGENTS <i>R.M.P.M. Rathnayake, S. Bowcock</i>	255
508	FORMULATION AND STABILITY EVALUATION OF VIRGIN COCONUT OIL BASED (VCO) 5% OILY PHENOL SOLUTION FOR SCLEROTHERAPY R.K. Suraweera, N.M.Y. Bagyawantha, H.M.S.R.B. Kotakadeniya, M.H.F. Sakeena	256
513	ORAL HEALTH STATUS AND OWN PERCEPTION OF ORAL HEALTH AMONG INSTITUTIONALIZED CHILDREN IN CENTRAL PROVINCE, SRI LANKA S.R. Gunawardane, H.M.R.W. Angammana, N.N. Palanage, S.D. Dharmarathna, B.M.H.S.K. Bannaheka, M.C.N. Fonseka	257
520	GENERAL HEALTH CONDITION OF SELECTED ELDERS IN A SEMI URBAN POPULATION IN THE KANDY DISTRICT L.H.L.C. De Silva, R.M.T. Kaminda, T.D.R.D.S. Tennewaththa, W.P. Neelawala, Chandrika Jayasinghe	258
521	IN-VIVO ANTIOXIDANT ACTIVITY OF RASNA SAPTHAKAYA DECOCTION IN WISTAR RATS R. Sanjeev, T.S. Suresh, J.M. Dahanayake	259
526	DISTRIBUTION OF DYSLIPIDAEMIA AND ITS ASSOCIATES IN A RURAL COMMUNITY IN THE KANDY DISTRICT P.V.R. Kumarasiri, D.M.P.U.K. Ralapanawa, A.K.C.M. Abeywadhana, R.M.D.K. Rathnayaka, S. Wijepala, A. Rajapaksa, K.M.C.U. Champika	260
533	COMPARISON BETWEEN 2% TOPICAL PHENYTOIN SODIUM SOLUTION AND SYNTHETIC COLLAGEN IN HEALING OF CHRONIC WOUNDS OF VARIOUS AETIOLOGIES: A PILOT STUDY R.K.A. Rajapakshe, I.G.H.M. Senarathna, S.V. Rakinawasam, J.N. Gunawardana, A.M.I.R.K. Athauda, S. Fonseka	261
536	SUCCESSFUL MANAGEMENT OF LOWER LIMB LYMPHOEDEMA IN AN OUTPATIENT CLINIC: A PILOT STUDY S.V. Rakinawasam, I.G.H.M. Senarathna, R.K.A. Rajapakshe, A.M.I.R.K. Athauda, J.N. Gunawardana, S. Fonseka	262
544	KNOWLEDGE AND PRACTICES ON FOLLOW UP CARE AMONG KIDNEY TRANSPLANT RECIPIENTS OF A SELECTED NEPHROLOGY UNIT G.L.A. Sameera, C.A. Wanigatunge	263

548	TO PROGNOSIS OF ORAL SQUAMOUS CELL CARCINOMA	264
	H.D.N.U. Karunatilaka, B.S.M.S. Siriwardena, W.M. Tilakaratne	
574	EFFECTS OF ACUTE HIGH GLUCOSE AND OSMOLALITY ON CHANGES OF INTRACELLULAR CALCIUM LEVEL IN MOUSE NEOCORTICAL SLICES	265
	W.M.K.M. Bandara, N. Fujiwara, R.P. Illeperuma	
594	BURN INJURY AND ASSOCIATED EFFECTS ON UPPER LIMB MOBILITY, FUNCTIONS OF HANDS AND ACTIVITIES OF DAILY LIVING M.M.N. Perera, P.P. Nanayakkarawasam, P. Katulanda	266
600	A DESCRIPTIVE STUDY OF DISTRIBUTION OF ULTRASONOGRAPHIC	267
000	ABNORMALITIES OF THE THYROID GLAND IN A STUDY COHORT IN THE KANDY DISTRICT	207
	G.B. Hettiarachchi, S. Rosairo, F. Hassen, P.V.R. Kumarasiri, R. Sivakanesan	
612	EVALUATION OF PRO-BIOTIC ATTRIBUTES OF HUMAN CANDIDA SPECIES: A PRELIMINARY STUDY INVOLVING ACTIVITY AGAINST ENTERIC PATHOGENS	268
	D. Pathirage, T. Madhujith, G.J. Panagoda	
The	me 7: IT, Mathematics and Statistics	
35	UNEXPECTED HUMAN ACTIVITY RECOGNITION ON SMARTPHONE USING ACCELEROMETER DATA	269
	S. Kirushanth, T. Ketheesan	
53	ANALYSIS OF RUBBER CLONES ACCORDING TO AGRO-CLIMATIC VARIABILITY OF SRI LANKA	270
	K.A.D.N. Dinushi, W.M.P.M. Wickramasinghe, P.M.O.P. Panahatipola	
60	MARKOV CHAIN MODELS FOR ONE DAY INTERNATIONAL CRICKET MATCHES	271
	V. Anuthrika, S. Arivalzahan	
74	IMPLEMENTING THE CONCEPT OF OVERALL EQUIPMENT EFFECTIVENESS IN A LOSS TIME ANALYSIS SYSTEM	272
	A. Dharmasiri, M. Mendis, W.B. Daundasekera	
86	A COPULA BASED METHOD FOR ANALYZING METHOD COMPARISON DATA K.R. Aravind, L.S. Nawarathna	273
87	ANALYSIS OF MAJOR RISK FACTORS CONTRIBUTING TO SUICIDE USING LOGISTIC REGRESSION METHOD	274
	A. Srikanthan, L.S. Nawarathna	
117	PERFORMANCE ANALYSIS OF FEW MAJOR ALGORITHMS FOR SOLVING PERMUTATION FLOW SHOP SCHEDULING PROBLEMS	275
	M.K.D.D. Sandaruwan, D.M. Samarathunga, R.B.N. Dissanayake	

169	TIME SERIES MODELLING OF MONTHLY MAXIMUM TEMPERATURE IN COLOMBO, SRI LANKA	276
	S. Jeevana, A. Laheetharan	
211	A STUDY OF SMOKING CESSATION OF USA ADULTS USING MARKOV CHAIN METHOD	277
	A.R.C.De Vas Gunasekara, A.A.C.A. Jayathilake, A.A.I. Perera	
224	NETWORKS CLUSTERING METHOD BASED ON SELF-ORGANISING FEATURE MAP FOR N-DIMENSIONAL PROJECTION OF NETWORK DATA A. Galappaththi, M.A.P. Chamikara, A.A.C.A. Jayathilake, Y.P.R.D. Yapa, S.R. Kodituwakku, J. Gunatilake	278
253	FORECASTING SRI LANKAN GOLD PRICES USING TIME SERIES ANALYSIS <i>P.A.A.C. Pitigalaarachchi, D.D.M. Jayasundara, N.V. Chandrasekara</i>	279
263	A MORPHOLOGICAL AND GRADIENT BASED APPROACH TO CLASSIFY PLANT LEAVES USING SUPPORT VECTOR MACHINES <i>P. Kobikrishna, A. Ramanan</i>	280
293	BLASCHKE- LIKE PRODUCTS OF DEGREE TWO K.M.N.M. Chathuranga, R.M.P.S. Rathnayaka, A.A.S. Perera	281
400	METABOLOMIC ANALYSIS OF HUMAN NON-SMALL CELL LUNG CANCER S.M. Vidanagamachchi, S.D. Dewasurendra, M. Niranjan	282
437	ON OBTAINING AN INITIAL SOLUTION TO AN UNBALANCED TRANSPORTATION PROBLEM: VAM WITH OR WITHOUT BALANCING Z.A.M.S. Juman	283
438	TESTBED FOR POWER ANALYSIS ATTACK BASED ON THE ARDUINO PROTOTYPING BOARD	284
	Hasindu Gamaarachchi, Harsha Ganegoda, Roshan Ragel	
457	ENHANCEMENT OF PERFORMANCE IN SINHALA LANGUAGE SYNTAX CHECKING SYSTEM FOR NOVEL SENTENCE PATTERNS BY DEPTH LIMITING <i>T.M.A.U. Gunathilaka</i>	285
466	ADAPTIVE NUMERICAL METHODS FOR FIVE-AXIS CNC MACHINING Stanislav Makhanov	286
469	A COMPARATIVE ANALYSIS ON ISSUES OF USING DIFFERENT TEST AUTOMATION FRAMEWORKS FOR WEB APPLICATION TESTING A.M. Imbulpitiya, S. Jayalal	287
491	FOSTERING TEXT MESSAGING FOR MOBILIZATION OF KNOWLEDGE IN EXPORT AGRICULTURE-BASED COMMUNITIES IN THE KURUNEGALA DISTRICT, SRI LANKA	288
	H.A.C.K. Jayathilake, U.K. Jayasinghe-Mudalige, L.M.J.K. Lindara, G.A. Gow, N. Waidyanatha, T. Barlott, L.D.R.D. Perera	

498	EXTENDED BUSINESS SERVICE AND RESOURCE MODEL WITH A RULE BASE G.N.P. Ariyasinghe, J. Jayasinghe Arachchige	289
514	INFLUENCE OF MACROECONOMIC AND MONETARY POLICY VARIABLES ON VOLATILITY OF ALL SHARE PRICE INDEX A.G.K.M.C.P. Gamakumara, C.D. Tilakaratne	290
518	A PREDICTIVE MODEL FOR ANNUAL NATIONAL COCONUT PRODUCTION (ANCP) OF SRI LANKA	291
	A.D. Bulathsinghala, P. Wijekoon, Dushan Kumarathunge	
546	ON SUPPORT POINTS OF THE CLOSED CONVEX HULL OF A TWO-PARAMETER FAMILY OF ANALYTIC FUNCTIONS	292
	A.A.S. Perera	
562	FORECASTING EXTREME DROUGHT EVENTS IN MAJOR COCONUT GROWING AGRO-ECOLOGICAL REGIONS	293
	J.M.D.R. Jayawardana, R.D Yapa, Dushan Kumarathunge	
588	SPATIAL ASSOCIATION AND COMPETITION OF TREE SPECIES IN SINHARAJA FOREST	294
	M.A.S. Senevirathna, I.A.U.N. Gunatilleke, C.V.S. Gunatilleke, Saranga Amila Ruwan	
590	COMPARISON OF THE APPLICABILITY OF FFT AND LPC METHODS FOR NATURAL HUMAN VOICE SYNTHESIS	295
	H.M.L.N.K. Herath, J.V. Wijayakulasooriya	
592	STOCHASTIC APPROACH IN MODELLING TIMBRE OF SITAR S.N. Gunasekera, J.V. Wijayakulasooriya, P.C. Perera	296
	S.IV. Gundsekerd, J.V. Wydydkuldsoortyd, L.C. Lererd	
617	CONTRIBUTION OF UNIVERSITY ACADEMICS IN DISSEMINATION OF AGRICULTURAL TECHNOLOGY AND INFORMATION TO THE COMMUNITY AND INDUSTRY	297
	R.M.S. Wijerathna, H.V.A. Wickramasuriya, B. Marambe	
Thei	me 8: Natural Sciences	
9	VALUE-ADDITION AND THERAPEUTIC ENHANCEMENT OF KING COCONUT WATER (<i>COCOS NUCIFERA VAR. AURANTIACA</i>) BY FERMENTATION WITH KOMBUCHA 'TEA FUNGUS'	299
	Mindani I. Watawana, Nilakshi Jayawardena, Chaminie B. Gunawardhana, Viduranga Y. Waisundara	
13	Not Presented	

25	AVIFAUNAL DIVERSITY OF LOOLKANDURA ESTATE IN DELTOTA, CENTRAL SRI LANKA AND ITS SIGNIFICANCE IN BIRD CONSERVATION	301
	Dilan Chathuranga, Moditha H. Kodikara Arachchi, Niroshan Samarasingha, Chaminda S. Wijesundara	
27	AVIFAUNAL DIVERSITY IN VALLAI AND THONDAMAN ARU AREAS IN JAFFNA: POTENTIAL FOR ECOTOURISM	302
	Chaminda S. Wijesundara, Dilan Chathuranga, Tharangi Hettirarachchi, Nuwanthika Perera, Packiyanathan Rajkumar, Saumya Wanniarachchi, Gayani Weerakoon	
30	1D COORDINATION POLYMER OF Zn(II) FOR THE DETECTION OF AIRBORNE AMMONIA THROUGH ON/OFF PHOTOLUMINESCENCE	303
	D.M.D. Dissanayake, C.V. Hettiarachchi	
40	PRELIMINARY STUDIES ON FROG-BITING MOSQUITOES (CULICIDAE) IN SRI LANKA	304
	W.A.P.P. de Silva, S.H.P.P. Karunaratne, N. Samarasingha, X.E. Bernal	
50	RELEASING OF LYCOPENE FROM LYCOPENE-CYCLODEXTRIN - ${\rm Al}^{3^+}$ - MONTMORILLONITE CLAY COMPOSITE AT SIMULATED GASTRIC AND INTESTINAL pH VALUES	305
	A.M.N.K. Adikari, B.M.R. Bandara	
52	GASTROINTESTINAL PARASITES OF MAMMALS IN DEHIWALA NATIONAL ZOOLOGICAL GARDENS OF SRI LANKA	306
	J.M.K.A. Aviruppola, R.P.V. J. Rajapakse, R.S. Rajakaruna	
58	DIVERSITY OF COCCINELLID BEETLES IN SELECTED CROP FIELDS IN THE KANDY DISTRICT, SRI LANKA	307
	T.D.C. Priyadarshani, K.S. Hemachandra, U.G.A.I. Sirisena	
63	ALL PARASITES ARE NOT EQUAL: DIFFERENTIAL EFFECT OF EXPOSURE TO NINE CERCARIAE TYPES ON COMMON HOURGLASS TREE FROG	308
	N.U.K. Pathirana, R.S. Rajakaruna	
70	LIFE CYCLE OF RHIPICEPHALUS HAEMAPHYSALOIDES SUPINO, 1897 (ACARI: IXODIDAE) UNDER LABORATORY CONDITIONS	309
	G.C.P. Diyes, R.S. Rajakaruna	
88	CROSS SECTIONAL SURVEY OF GASTROINTESTINAL PARASITES OF DOMESTICATED AND FERAL HORSES AND PONIES (EQUUS CABALLUS) IN SRI LANKA	310
	Shanika Dissanayake, R.S. Rajakaruna, R.P.V.J. Rajapakse	
99	DEVELOPING BIRD-BASED ECOTOURISM IN JAFFNA: A CASE STUDY ON MANGROVE HABITATS ON THE ISLANDS OF MANDAITIVU AND SIRUDIVU	311
	Packiyanathan Rajkumar, Chaminda S. Wijesundara	
106	INTERCALATION OF ALKALOIDS OF MURRAYA KOENIGII INTO H ⁺ AND Al ³⁺ EXCHANGED MONTMORILLONITE CLAYS	312
	S.T.K. Ubayawardhana, F.V. Thanzool, N.C. Randara, R.M.R. Randara	

139	DIVERSITY AND ABUNDANCE OF QUESTING TICK SPECIES IN HANTANA AND RANDENIGALA FOREST RESERVES IN SRI LANKA	313
	D.R. Liyanaarachchi, R.S. Rajakaruna, P.R.M.P. Dilrukshi, R.P.V.J. Rajapakse	
148	DEATH, STUNTING, DELAYED METAMORPHOSIS AND MALFORMATIONS: PERNICIOUS EFFECTS OF COMMONLY USED FUNGICIDE "MANCOZEB" ON POLYPEDATES CRUCIGER TADPOLES	314
	Dhanushika Wijekoon, Suranga Kodithuwakku, Gayani Senevirathne, Madhava Meegaskumbura	
150	INVOLVEMENT OF ALTERED TARGET SITES AND METABOLIC ENZYMES IN ACARICIDE RESISTANCE OF THE CATTLE TICK RHIPICEPHALUS (BOOPHILUS) MICROPLUS FROM KURUNEGALA, SRI LANKA	315
	K.M.U.J. Bandara, N.W.N.P. Nugapola, S.H.P.P. Karunaratne	
153	PARTIAL CHARACTERISATION OF SERINE PROTEASE INHIBITORS FROM SEMECARPUS NIGRO-VIRIDIS	316
	N.N.H. Karannagoda, M. Ishan, S. Rajapakse	
154	SENSITIVITY CYCLING IN PHYSICALLY-DORMANT SEEDS OF <i>IPOMOEA TRILOBA</i> (CONVOLVULACEAE) AND <i>SIDA RHOMBIFOLIA</i> (MALVACEAE): FIRST REPORT FOR TROPICAL SPECIES AND MALVACEAE	317
	R.G.J.K.K. Rajamanthri, Niranjan Mahadevan, K.M.G. Gehan Jayasuriya	
162	EFFECT OF INSECTICIDE FOGGING ON NON-TARGET INSECTS DURING DENGUE MOSQUITO CONTROL PROGRAMMES	318
	K.G.T.N. Abeyasuriya, N.W.N.P. Nugapola, W.A.I.P. Karunaratne, M.D.B. Perera, T.C. Weerarathne, S.H.P.P. Karunaratne	
168	CHARACTERISATION OF PHYSIOLOGICAL AND GENETIC DIVERSITY OF RHIZOBIUM SP. IN ALYSICARPUS VAGINALIS IN DIFFERENT CLIMATIC ZONES OF SRI LANKA	319
	K.W.T.R. Kularathna, C.S. Hettiarachchi, S. Rajapakse	
198	ANTIMICROBIAL, ANTIOXIDANT, CYTOTOXIC ACTIVITY AND PHENOLIC CONTENT OF TETRACERA SARMENTOSA (KOROSA WEL)	320
	R.A.B.S. Ranasinghe, Y.A. Priyadarshana, M.D.M. Chamikara, D.S.A. Wijesundara, A. Wickramsinghe, S. Rajapakshe	
216	TWO SESQUITERPENES FROM BIPOLARIS SOROKINIANA, AN ENDOPHYTIC FUNGUS FROM <i>COSTUS SPECIOSUS</i> (KOEN.) LEAVES	321
	M. Mallique Qader, N. Savitri Kumar, Lalith Jayasinghe, Yoshinori Fujimoto	
220	EFFECT OF DIFFERENT DISTURBANCE REGIMES ON POLLINATOR AND NON-POLLINATOR FIG-WASP RELATIONSHIPS AND SYCONIAL CHARACTERS OF <i>FICUS EXASPERATA</i> VAHL (MORACEAE) IN KANDY DISTRICT, SRI LANKA	322
	W.M.G.A.S.T.B. Wijetunga, W.A.I.P. Karunaratne, A.M.T.A. Gunaratne, R.D. Harrison	

227	COMPARISON OF LITTER ARTHROPOD DIVERSITY AND ASSEMBLAGES BETWEEN TWO VEGETATION TYPES IN UPPER HANTHANA FOREST RESERVE, SRI LANKA	323
	T.H.S.E. Silva, W.A.I.P. Karunaratne	
228	LIFE CYCLE OF <i>NOSOMMA MONSTROSUM</i> UNDER LABORATORY CONDITIONS <i>K.O. Bandaranayaka, R.S. Rajakaruna</i>	324
230	CALL REPERTOIRE OF <i>PSEUDOPHILAUTUS VIRIDIS</i> (ANURA: RHACOPHORIDAE): AN ENDEMIC SHRUB-FROG OF SRI LANKA. A. Gunarathna, N. Wijayathilaka, G. Senevirathne, M. Meegaskumbura	325
262	INSECT COLONIZATION AND SUCCESSION IN DECAYING CARCASSES PLACED IN SELECTED SITES OF THE PERADENIYA UNIVERSITY PARK R.R.M.W. L. Rathnayake, W.A.I. P. Karunaratne	326
270	CHARACTERIZATION OF SOL-GEL SPIN COATED NANOCRYSTALLINE CADMIUM SULPHIDE THIN FILMS D.M.C.U. Dissanayake, P. Samarasekara	327
276	SYNTHESIS OF A METALLATED PORPHYRIN COMPLEX USING FERROUS SULFATE AND INVESTIGATING ITS CHARACTERISTICS H.A.K. Wijesekara, K.G.C. Senarathna, R.M.G. Rajapakse	328
294	ANTI-FUNGAL ACTIVITY AND ISOLATION OF A KAURANE DITERPENOID FROM ROOT EXTRACT OF $AUSTROEUPATORIUM$ INULIFOLIUM (KUNTH) KING & ROBINSON	329
	Thahani Shifna, Sumedha Madawala, Veranja Karunaratne, Siril Wijesundara	
295	A NEW HETEROCYCLIC COMPOUND FROM THE REACTION OF 9-METHYL-4,7-DIOXODODECANOIC ACID WITH HYDRAZINE	330
	Chayanika Padumadasa, G.M. Kamal, B. Gunaherath, Ranga S. Jayakody, Amila M. Abeysekera	
296	DEVELOPMENT OF A PAPAER-BASED ELECTORCHEMICAL DEVICE FOR THE SIMULTANEOUS DETECTION OF CADMIUM AND COPPER G.M.C. Udeshika, M.N. Kaumal, H.R. Perera	331
298	PESTALOTIN AND HYDROXYPSETALOTIN FROM AN ENDOPHYTIC FUNGUS ISOLATED FROM <i>MANILKARA ZAPOTA</i> FRUITS	332
	G.R.N. Rathnayake, N. Savitri Kumar, Lalith Jayasinghe, Hiroshi Araya, Yoshinori Fujimoto	
305	AN ASSESSMENT OF ANTIBIOTIC RESISTANCE IN BACTERIA ISOLATED FROM POULTRY MANURE AND MANURE AMENDED SOILS IN KANDY DISTRICT, SRI LANKA	333
	A.G.K.N. Palansooriya, W.S. Dandeniya, E.M. Herath	
310	MICROHABITAT AFFINITIES OF MURINE RODENTS (RATS AND MICE) INHABITING GRASSLAND HABITATS IN PERADENIYA UNIVERSITY PREMISES	334
	Ama Pothuhera, Suvama Meegaskumbura	

333	MOLECULAR AND MORPHOMETRIC CHARACTERIZATION OF PARABRONEMA SPP. IN ASIAN WILD ELEPHANT (<i>ELEPHAS MAXIMUS MAXIMUS</i>) IN UDAWALAWE NATIONAL PARK IN SRI LANKA	335
	Lasanthika D. Thewarage, B.V.P. Perera, K.V.U.S. Perera, Susiji Wickramasinghe, K.B.A.T. Bandara, N.A.N.D. Perera, R.P.V.J. Rajapakse	
340	IS MCPA A BETTER HERBICIDE? EFFECT OF MCPA ON TADPOLES OF COMMON HOURGLASS TREE FROG <i>POLYPEDATES CRUCIGER</i> UNDER LABORATORY CONDITIONS	336
	Nuwan Karunarathna, Madhava Meegaskumbura, R.S. Rajakaruna	
344	DIVERSITY AND DISTRIBUTION OF DOG TICKS IN SRI LANKA U.I. Dissanayake, R.S. Rajakaruna	337
351	REPRODUCTIVE BEHAVIOR AND EMBRYONIC DEVELOPMENT IN THE GIANT DANIO, $DEVARIO\ MALABARICUS$	338
	S. Sumathipala, G.N. Hirimuthugoda, S. Kumburegama	
360	VASCULAR ENDOTHELIAL CELL DAMAGE BY PATHOGENIC LEPTOSPIRA Narmada Fernando, Jayamini Harasgama, Roshan Niloofa, Lilani Karunanayake, Janaka H. de Silva, Senaka Rajapakse, Sunil Premawansa, Shiroma Handunnetti	339
361	BIOACTIVITIES OF INVASIVE PLANT AGERATINA RIPARIA Chulangani Weerasooriya, Veranja Karunaratne, Thahani Shifnam, Sumedha Madawala	340
372	CHARACTERISATION OF EXTRACELLULAR LIPASE FROM FUNGUS, $CLADOSPORIUM\ SP$	341
	D.R.R.P. Dissanayake, P. Samaraweera	
387	LIPASE AND AMYLASE INHIBITORY ACTIVITY OF $\mathit{CUMINUM}$ CYMINUM SEED EXTRACTS	342
	A.M.K.C. Attanayake, L.T.M. Karunarathne, W.I.T. Fernando, N.S. Kumar, L. Jayasinghe	
391	BIOACTIVITY OF EXTRACTS FROM FRUITS OF LIMONIA ACIDISSIMA Dhakshila Niyangoda, Dinusha Kanatiwela, Gehan J. Panagoda, N. Savitri Kumar, Lalith Jayasinghe	343
394	HETEROGENEOUS ZnO/CuO COMPOSITE AS A CATALYST FOR PRE- ESTERIFICATION OF HIGH FREE FATTY ACID CONTAINING COCONUT OIL:FOR THE PRODUCTION OF BIODIESEL	344
	T.M.M. Marso, Manawadevi Y. Udugala-Ganehenege, C.S Kalpage	
403	STERIC EFFECTS OF SUBSTITUENTS ON FURYLFULGIDE MOLECULAR SWITCHES	345
	I.S.W. Gallindawatte, A.A.D.M. Adhikari, C.V. Hettiarachchi, R.J.K.U. Ranatunga	
450	AN EFFICIENT POLYACRYLONITRILE BASED QUASI-SOLID-STATE ELECTROLYTE FOR DYE-SENSITIZED SOLAR CELLS	346
	A.M.C. Senevirathne, V.A. Seneviratne, O.A. Ileperuma	

478	MIGRATION OF TOLUENE INTO ARTIFICIAL SALIVA FROM NATURAL RUBBER LATEX BALLOONS MARKETED IN SRI LANKA	347
	Imanda Jayawardena, Pahan I. Godakumbura, M.A.B. Prashantha	
482	EMERGENT PATTERNS IN SUBGROUPS OF COMPUTATIONALLY MODELED SCHOOL OF FISH	348
	Kaushalya Pathirana, Ranjan Dissanayake, Kaushalya Premachandra	
483	EVALUATION OF ALOE VERA HERBAL LEAF GEL AS A BIO PRESERVATIVE OF FRUITS OF $AMPALAVI$ MANGO	349
	V. Nivethika, G. Mikunthan	
490	PROBING THE MEDICINAL VALUE AND ANTIOXIDANT ACTIVITY OF THE WILD MUSHROOM <i>ATHURU HATHU (AGARICUS FULVOALBUS</i>) FROM THE SINGHARAJA RAIN FOREST	350
	Nimshi Fernando, Pahan I. Godakumbura, M.A.B. Prashantha, Preeni Fernando	
500	SQUID AND CUTTLEFISH FISHERIES OFF KALPITIYA IN NORTHWEST SRI LANKA	351
	A.L.S. Sewwandi ,M.D.S.T. de Croos	
502	KINETIC AND THERMODYNAMIC STUDY OF PHOTO-INDUCED OXIDATION OF ALOIN TO ALOE-EMODIN	352
	K.U. Attanayake, A.N. Navaratne, R.J.K.U. Ranatunga	
504	IMPROVING TARGETED DELIVERY AND ATTEMPTING SLOW RELEASE KINETICS OF THE TEMPLATE DRUG COPPER bis-(8-HYDROXYQUINOLINE) BY ENCAPSULATING IT IN HYDROXYAPATITE NANOPARTICLES	353
	D.R.K. Weerasuriya, S.L. Wijesinghe, A. W. Bulathge, R.M.G. Rajapakse	
531	PLATINUM FREE DYE-SENSITIZED SOLAR CELL WITH SRI LANKAN VEIN GRAPHITE/POLYANILINE COMPOSITE COUNTER ELECTRODE	354
	Siddhartha Thennakoon, K.G.C. Senarathna, E.N. Jayaweera, G.R.A. Kumara, Samodha S. Gunathilake	
540	DEVELOPING A MASS CULTURE PROCEDURE FOR SOME POTENTIAL PHOSPHATE BIOFERTILIZERS USING AGRICULTURE WASTE PRODUCTS R.K.R.S. Ranasinghe, C.M. Nanayakkara, H.A. Sumanasena, D.N. Samaraweera	355
550	EFFECT OF SUBSTRATE TEMPERATURE ON OPTO-ELECTRICAL PROPERTIES OF THERMALLY EVAPORATED CdTe THIN FILMS	356
	P.K.K. Kumarasinghe, B.M.K. Pemasiri, B.S. Dassanayake	
554	QUANTITATIVE ANALYSIS OF MICROMINERAL CONTENTS IN SIX SPECIESES OF MARINE MACRO ALGAE – A PRELIMINARY STUDY	357
	L.A. Wanasinghe, E.G.C.N. Premathilake, P.H.P. Fernando, C.N.R.A. Alles, M.C.N. Perera, W.D.M.C. Wickramanayake, R.P.V.J. Rajapakse	

557	METACHROMATIC ACTIVITY OF SOME SPECIES OF MARINE MACRO ALGAE FOUND IN THE SOUTHERN SRI LANKAN COAST L.A. Wanasinghe, P.H.P. Fernando, C.N.R.A. Alles, A.M.P.S.T. Bandara, R.P.V.J.	358
	Rajapakse	
558	ISOCOUMARINS AND DIHYDROISOCOUMARINS FROM AN ENDOPHYTIC FUNGUS ISOLATED FROM THE FRUITS OF $AVERRHOA\ CARAMBOLA$	359
	Thulasy Sritharan, N. Savitri Kumar, Lalith Jayasinghe, Hiroshi Araya, Yoshinori Fujimoto	
560	SURFACE MODIFICATION OF $\gamma\text{-Fe}_2O_3$ NANOPARTICLES AND KINETIC STUDIES ON ADSORPTION OF CHLOROPHENOLS ON Cu-MODIFIED $\gamma\text{-Fe}_2O_3$ NANOPARTICLES	360
	K.R.D.C. Premachandra, D.N. Welikala, A. Bandara, R. Weerasooriya	
561	SYNTHESIS, CHARACTERIZATION AND INVESTIGATION OF ANTIMICROBIAL ACTIVITY OF MIXED LIGAND COMPLEXES CONTAINING PARACETAMOL	361
	J.A.I.U. Jayasooriya, C.L. Abayasekera, C.V. Hettiarachchi	
569	PRESSURE DEPENDENCE OF ELECTRONICALLY CONDUCTING COMPOSITE MATERIALS BASED ON POLYMER AND CARBON	362
	I.C. Angunawela, S.M.T.K. Labutale, P.W.S.K. Bandaranayake	
573	NEST SUCCESS AND SEX RATIO OF HATCHERY RELOCATED GREEN TURTLE (Chelonia mydas) EGGS	363
	S. Hewapathiranage, S. Jayaratne, R.S. Rajakaruna	
605	ANTIMICROBIAL, ANTIOXIDANT, CYTOTOXIC ACTIVITIES AND POLYPHENOLIC CONTENT OF <i>HOLARRHENA MITIS</i> R.Br	364
	W.G.D. Wickramasingha, K. Kulatunga, W.A.S. Wijendra, D.N. Karunaratne, S. Jayasinghe, V. Karunaratne	
The	me 9: Plant Sciences and Forestry	
28	BRYOPHYTE FLORA OF THE KANNELIYA FOREST RESERVE N.C.S. Ruklani, S.C.K. Rubasinghe	365
34	A TAXONOMIC SURVEY OF EPIPHYTIC BRYOPHYTES IN SELECTED LOCALITIES OF THE CENTRAL PROVINCE OF SRI LANKA	366
	O.G.K.R. Premawansha, S.C.K. Rubasinghe	
48	MORPHOMETRIC ANALYSIS OF THE GENUS APONOGETON IN SRI LANKA Chapa Manawaduage, Deepthi Yakandawala	367
57		2/5
57	CHROMOSOME NUMBERS OF THREE ENDEMIC SPECIES OF FAMILY ORCHIDACEAE FROM SRI LANKA	368
	W.A.M.P. Ariyarathne, Tae-soo Jang, Hanna Weiss-Schneeweis, Rosabelle Samue, Deepthi Yakandawala, D.S.A. Wijesundara	

64	SEED BIOLOGY OF SIX SELECTED RICE FIELD WEEDS IN SRI LANKA H.G. Sashika Sumudunie, K.M.G. Gehan Jayasuriya	369
68	SOME PHYTOCHEMICAL CHARACTERISTICS AND THE EFFECT OF SEASONAL VARIATION ON ANTIOXIDANT ACTIVITY OF <i>CELOSIA ARGENTEA</i> (<i>'KIRIHENDA PALA'</i>): AN UNDER-UTILIZED MEDICINAL PLANT AND A LEAFY GREEN IN SRI LANKA	370
	H.N.K. Fernando, W.A.M. Daundasekera, P. Malathy	
85	CORRELATION OF SEED DORMANCY AND STORAGE BEHAVIOUR TO OTHER SEED AND PLANT TRAITS: A STUDY OF HUNDRAD FABACEAE SPECIES FROM SRI LANKA	371
	H.M.R.R. Herath, L.S. Nawarathna, K.M.G.G. Jayasuriya	
90	BIOLOGICAL CONTROL OF AVOCADO (PERSEA AMERICANA MILL.) STEM- END ROT USING AUREOBASIDIUM PULLULANS Y.D.S. Madhupani, N.K.B. Adikaram	372
103	RELATIONSHIPS OF YIELD AND YIELD RELATED CHARACTERISTICS WITH MATURITY DURATION IN NEAR ISOGENIC RICE LINES L.M. Wickramasinghe, D.S. De Z. Abeysiriwardana, V.A. Sumanasinghe	373
109	EFFECT OF ETHREL CONCENTRATION AND STAGES OF SPRAY ON GROWTH AND SEX EXPRESSION OF BITTER GOURD (MOMORDICA CHARANTIA L.)	374
	A.W.A. Sandamali, Hemal Fonseka, V.A. Sumanasinghe, H.M.P.S. Kumari	
110	PRELIMINARY INVESTIGATIONS ON MICROGREENS: AN EMERGING HEALTH FOOD	375
	Gayathree I. Senevirathne, N.S. Gama-Arachchige, Anjani M. Karunaratne	
122	MOLECULAR AND SEROLOGICAL IDENTIFICATION OF THE BACTERIUM ASSOCIATED WITH WATERMELON FRUIT BLOTCH IN SRI LANKA AND CONFIRMATION OF PATHOGENICITY	376
	K.R.W.K. Jayarathne, W.A.R.T. Wickramaarachchi, V.A. Sumanasinghe	
124	IMPROVING POSTHARVEST LONGEVITY OF NEPHROLEPIS HIRSUTULA (FROST.) C. PRESL CUT FOLIAGE	377
	Thulsi H. Chandrathilake, J.W. Damunupola	
174	FLORISTIC COMPOSITION OF JATHIKA NAMAL UYANA FOREST IN SRI LANKA	378
	W.I.N.S. Senevirathne, W.M.G.A.S.T.B. Wijetunga, D.S.A. Wijesundara	
177	EFFECTS OF ORGANIC ADDITIVES ON THE CALLUS INITIATION OF ANTHURIUM VARIETIES: ANTHURIUM ANDRAEANUM, ANTHURIUM ANDRAEANUM (LADY JANE) AND ANTHURIUM HOOKERI	379
	T.N.K. Amarakoon, D.C. Bandara, H.M.I. Herath	
183	TAXONOMY OF THE FAMILY POLYTRICHACEAE SCHWÄGR. IN SRI LANKA Priyasha S. Wasala, S.C.K. Rubasinghe	380

186	EFFECT OF BENZYL AMINO PURINE ON SHOOT PROLIFERATION OF APICAL BUDS OF IN-VITRO CULTURED AEGLE MARMELOS (L.) SEEDLINGS <i>B.A.D.D. Bamunusinghe, J.P. Eeswara, L. Sanjeewanie</i>	381
239	MOLECULAR EVIDENCE CONFIRMS THE OCCURRENCE OF NYMPHAEA RUBRA ROXB.EX ANDREWS IN SRI LANKAN FRESH WATERS	382
	D.P.G.S. Kumudumali, Deepthi Yakandawala, Kapila Yakandawala	
277	EFFECTIVENESS OF ORGANIC ADDITIVES (POTATO, WATERMELON, AND AVOCADO) IN GERBERA TISSUE CULTURE MEDIUM S. Sugatha, D.C. Bandara, H.I.M. Herath	383
288	ARBUSCULAR MYCORRHIZAL FUNGI IN MONTANE FORESTS AND GRASSLANDS OF DOTHALUGALA MAB RESERVE, SRI LANKA	384
	R.M.V.N. Gunarathne, H.M.S.P. Madawala, G.A.D. Perera	
321	RELATIVE IMPORTANCE OF JANZEN-CONNELL AND STOCHASTIC EFFECTS ON SURVIVAL OF DOMINANT TREE SPECIES IN SINHARAJA FOREST	385
	N.S.S.M. Hapuhinna, S.G.J. Senarathne, I.A.U.N. Gunathilake, Ruwan Punchi-Manage	
341	PHENOTYPIC VARIABILITY OF SELECTED SRI LANKAN RICE (<i>ORYZA SATIVA</i> L.) VARIETIES	386
	H.C.D. Wijayawardhana, H.M.V.G. Herath, P.A. Weerasinghe	
389	EVALUATION OF MICROWAVE ASSISTED ALKALINE PRETREATMENT FOR EXTRACTION OF CELLULOSE FROM SELECTED PLANT BIOMASS <i>T.N. Fernando, C.K. Disanayaka, S. Kulathunge</i>	387
432	OCCURRENCE OF PARASITIC PLANTS IN SPICE AND BEVERAGE CROPS OF SRI LANKA	388
	S.S. Yapa, A.J. Mohotti, M.A.P.K. Seneviratne, B.L. Peiris, D.S.A. Wijesundara	
512	PHYSIOLOGY OF CLUSTER ROOT DEVELOPMENT OF GREVILLEA ROBUSTA L. WITH DIFFERENTIALLY AVAILABLE PHOSPHORUS IN HYDROPONICS CULTURE	389
	K.S.D.N. Senanayake, A.J. Mohotti, W.A.P. Weerakkody	
602	LEVEL OF AWARENESS AND CONSTRAINTS TO ADOPT NEW TECHNOLOGIES DETERMINING THE RETENTION OF FARMERS IN SUGARCANE CULTIVATION R.M.I. Kumara, W.G.C. Wekumbura, P. Sivashankar	390
Thei	me 10: Social Sciences and Humanities	
10	THE VALUE OF FRIENDSHIP IN ARISTOTLE'S NICOMACHEAN ETHICS Chandima S.M. Wickramasinghe	391
19	TEACHERS' CODE-SWITCHING IN ESL (ENGLISH AS A SECOND LANGUAGE) CLASSROOM DISCOURSE Dishani Senaratne	392

23 Not Presented

31	REPRESENTATION OF WOMEN IN THE LYRICS OF BHUPEN HAZARIKA R. Hazarika, D. Swargiari	394
32	APPLICATION OF A GAME THEORY METHOD FOR LIBRARY COOPERATION Sureni Weerasinghe	395
37	A HISTORICAL STUDY OF SOCIAL INFORMATION REVEALED THROUGH HATAN KAVYA K.A.I.A. De A. Gunasekara	396
39	A SOCIO LEGAL STUDY ON HARASSMENT FACED BY WOMEN IN PUBLIC BUSES Udeni Herath, Nisanka Jayarathna	397
41	SPORTS JOURNALISM: SPORTS REPORTING OF WOMEN ATHLETES IN VIRAKESARI NEWS PAPER Sivapriya Sriram	398
44	GOOD GOVERNANCE AND PUBLIC OPINION: A CASE STUDY IN SELECTED SUB URBAN AREAS IN WESTERN PROVINCE M. Senanayake, N.C.R. Silva	399
55	Not Presented	
59	A COMPARISON OF REFERENCING PATTERNS OF SOCIOLOGY AND ECONOMICS SCHOLARS IN UNIVERSITY OF PERADENIYA, SRI LANKA: A CITATION ANALYSIS OF POSTGRADUATE THESES Chamani Gunasekera, Rita Liyanage	401
61	DECENT STATUS FOR LOCAL WOMEN DOMESTIC WORKERS BY EFFECTIVE APPLICATION OF LAW K.G. Tharanga Dilrukshi	402
69	RATHUPASWALA TV NARRATIONS:AN ANALYSIS OF MEDIA CONTENT Jayantha Amarasinghe, Saman M. Kariyakarawana	403
77	RELATIONSHIP BETWEEN CHILD'S BIRTH WEIGHT AND SOCIO ECONOMIC STATUS OF PARENTS: THE CASE OF USA Susantha Dissanayake	404

92	POPULARITY AND COMPLEXITIES OF SINHALESE TEMPERANCE LITERATURE IN 1904 K.M.B.N. Konara	406
102	Not Presented	
105	TEEN CULTURE; A PRODUCTION OF MODERN POPULAR TELEVISION AND NEW MEDIA TEXTS	408
125	Manoj Jinadasa INSTITUTIONAL CHALLENGES FOR SUSTAINING MASS MEADIA AUTONOMY IN SRI LANKA H.E.N. Priyadarshani	409
126	FORMULATING A NEW LEGAL MODEL TO ADDRESS THE DEFICIENCIES OF THE VEHICLE EMISSION TESTING PROCEDURE TO MAINTAIN A BETTER AIR QUALITY IN SRI LANKA T.R.M.Y.S.B. Thalpathawadana, C.S. Hettiarachchi	410
146	COLOUR PERCEPTION AND INFLUECE IN FASHION G.M. Ranathunga	411
191	Not Presented	
245	SOCIAL REALISM IN JAISHANKAR PRASAD'S 'DHRUVASVAMINI' P.V. Sashini Chandrasekara	413
249	GOVERNING URBAN POOR: A CRITIQUE ON THE DISCOURSE OF SLUM FREE CITY IN COLOMBO, SRI LANKA Susantha Rasnayake, K.T. Silva, H.M.D.R. Herath	414
252	A STUDY OF THE REGRESSIVENESS OF DRUG PREVENTION IN SRI LANKA R.N.H.M. Saman Jayarathna	415
258	NOTIONAL PRESUMPTION AND TRAVEL WRITING: AN ANALYSIS OF THE TRAVEL ACCOUNT OF JEAN – BAPTIST TAVERNIER Monalisha Khakhlari	416
259	Not Presented	

78

Not Presented

297	"ETHICAL RESPONSIBILITY" OF MEDIA IN PORTRAYING LARGE SCALE HEALTH HAZARDS: A STUDY OF THE PORTRAYAL OF CHRONIC KIDNEY DISEASE OF UNCERTAIN ETIOLOGY IN LOCAL NEWSPAPERS IN SRI LANKA J.A.C.P. Gunarathne	419
	J.A.C.1 . Oundrainne	
314	A STUDY OF THE SOCIAO-CULTURAL PARAMETERS ASSOCIATED WITH MEAT PURCHASING AND CONSUMPTION PATTERN: A CASE OF BANDARAWELA, SRI LANKA	420
	E.W.T. Ellegedara, R.P. Mahaliyanaarachchi, P. Sivashankar, I.C. Hettiarachchi, B.E.S Bandara	
329	SOCIO ECONOMIC DETERMINANTS OF FARMERS' PREFERENCE TO ORGANIC AGRICULTURE	421
	R.A.K.M. Ranasinghe, P. Sivashankar, R.P. Mahaliyanaarachchi, I.C. Hettiarachchi, B.E.S. Bandara	
349	FACTORS AFFECTING FOR THE DIMINUTION OF SMALLHOLDERS PARTICIPATION IN RUBBER CULTIVATION	422
	H.M.D.E.H. Mudalige, P. Sivashankar, I.C. Hettiarachchi, R.P. Mahaliyanaarachchi, B.E.S. Bandara	
355	IDENTIFICATION OF THE IMPORTANCE OF SURFACE TREATMENTS FOR THE FUNCTIONAL VALUE: USE OF TEXTURAL SURFACE IN EARTHENWARE PRODUCTS	423
	W.M.N.D. Ranasinghe	
358	Not Presented	
363	ZOO-ARCHAEOLOGICAL REMAINS FROM THE WELI-MALUWA EXCAVATION OF THE JETAVANA STUPA IN 2003	425
	R.M.M. Chandraratne	
367	PHILOSOPHICAL ASPECT OF SHORT POEM Ven. A. Sirisudhamma, Ven. P. Wimalasara	426
368	VISION TO COGNITION: AN INVESTIGATIVE STUDY ON MOTTOS USED BY THE SINHALA PRIVATE CLASSES' TEACHERS BASED ON GAMPOLA, NAWALAPITIYA AND KANDY AREAS	427
	Ven. Pitathalawe Wimalasara, Ven. Aparekke Sirisudhamma	
369	Not Presented	

371	THE ETHICAL FOUNDATION OF THE CONDUCT OF ENLITHENED PERSONS (ARAHANTS) Ven. S. Anuruddha	429
374	Not Presented	
392	SPATIO-TEMPORAL VARIABILITY OF FERTILITY AND MARRIAGE BEHAVIOR	431
392	IN SRI LANKA: DEMOGRAPHIC EXPLANATION FOR FERTILITY TRANSITION P.P. Masakorala, N.K. Dangalle, R. Rathnayake	431
396	SENSUAL PLEASURE: AN ELUCIDATION OF VARIOUS PERSPECTIVES IN BUDDHISM AND OTHER MAJOR RELIGIONS Ven. Yakkaduwe Sugunaseela, Ven. Niwandama Dhammissara	432
409	Not Presented	
410	Not Presented	
110	Not resented	
416	Not Presented	
428	A STUDY OF RITUAL AND BELIEF IN RICE CULTIVATION IN A CONTEMPORARY KANDYAN VILLAGE Samuel King	436
445	INFLUENCE OF BHATIYALI FOLK SONGS OF WEST BENGAL ON NORTH INDIAN CLASSICAL MUSIC (RAGA SYSTEM) J. Chandana Ruwan Kumara	437
467	THE CHALLENGES OF THE MICRO-ENTERPRISES IN SRI LANKA: A CASE STUDY OF HAMBANTOTA Aruni Samarakoon, I. Renuka Priyantha	438
473	ALTERNATIVE COMPENSATION MECHANISMS AND THE FUTURE OF AQUILIAN ACTION: SUGGESTIONS FOR A COMPATIBLE FUSION Upuli Karunawardhana	439
475	EFFECTIVENESS OF INFORMATION LITERACY PROGRAM CONDUCTED BY THE MAIN LIBRARY OF THE UNIVERSITY OF PERADENIYA FOR POSTGRADUATE STUDENTS IN EDUCATION	440
	Pradeepa Wijetunge, P.C.D.S. Gunasekara, Champa N.K. Alahakoon	

479	CHANGING ETHNIC MOSAIC OF COLONIAL PORT CITIES IN ASIA: THE CASE OF COLOMBO	441
	M. Sriyani Gunarathne	
489	SELF-RELIANCE STRATEGY IN SRI LANKAN RURAL DEVELOPMENT: A STUDY WITH SPECIAL REFERENCE TO SEEDS (GUARANTEE) LTD OF THE SARVODAYA SHRAMADANA MOVEMENT	442
	Kowsalya Duraisamy	
494	THE CONCEPT OF SELF IN BUDDHISM AND JACKQUES LACAN'S PSYCHO ANALYTICAL PHILOSOPHY:A PHILOSOPHICAL ANALYSIS <i>R. Premkumar</i>	443
501	USAGE OF ELECTRONIC INFORMATION RESOURCES DURING PREPARATION OF FINAL YEAR DISSERTATIONS BY UNDERGRADUATES OF THE FACULTY OF ARTS, UNIVERSITY OF PERADENIYA: A CASE STUDY	444
	B.N.G.S. Premarathne, B.E.S. Bandara	
510	PLANTATION TO URBAN: PHENOMENON AND CAUSES OF YOUTH MIGRATION IN THE PITAKANDA ESTATE, MATALE B. Arularasi, M.M. Alikhan	445
511	THE FORGOTTEN ONES: AN ASSESSMENT OF THE NEED FOR A COHESIVE LEGISLATIVE AND POLICY FRAMEWORK TO ADDRESS ALL STAGES OF CONFLICT INDUCED INTERNAL DISPLACEMENT IN SRI LANKA	446
	Menaka I. Lecamwasam	
516	MURAL TRADITIONS IN TEMPLE ON PILLARS (TÄMPITA VIHĀRAS) OF SRI LANKA	447
	Ganga Rājinee Dissanayaka	
524	REJECTING THE "KANDYAN TRADITION" IN THE SOUTH Asoka de Zoysa	448
530	JINGLES OF AFRO-SRI LANKANS: AN ANALYSIS OF 'MĀNJA' AND THE KAFFIRS' SOCIAL IDENTITY (Based on Kaffirs settled in Sirambiadiya, Puttlam District)	449
	H.M.U.T.K. Herath	
539	Not Presented	
549	IMPACT OF INTRINSIC AND EXTRINSIC MOTIVATION ON DIGITAL REPOSITORY USAGE BY UNDERGRADUATES B.M.M.C.B. Hindagolla, T. Nakamura	451
568	THE COLLABORATIVE PROCESS OF TRANSCREATING SUBHA Manoj Alawathukotuwa, Kanchuka Dharmasiri	452

589	PROFILE PICTURE AND SEXUAL STIMULATION ON FACEBOOK AMONG UNIVERSITY STUDENTS	453
	I.M.M.K. Ihalagedara	
595	A COMPARATIVE STUDY OF DHAMMA AND LUCRETIUS' NATURA Varunadatta Edirisinghe	454
596	STREAM CORRIDORS ENCROACHMENTS AND ITS CONSEQUENCES: CASE OF PINGA OYA TRIBUTARY IN UPPER MAHAWELI RIVER SRI LANKA D.M.L. Dissanayake	455
597	GENDER BASED DISCRIMINATIONS IN HIGHER EDUCATIONAL INSTITUTIONS: A STUDY BASED ON SOUTH EASTERN UNIVERSITY OF SRI LANKA A.W.N. Naleefa	456
599	ISSUES IN RESTORING NORMALCY IN THE POST-WAR CONTEXT: A SOCIOLOGICAL STUDY BASED IN THE BORDER VILLAGES IN THE VAVUNIYA DIVISIONAL SECRETARIAT DIVISION IN THE VAVUNIYA DISTRICT K. Gowthaman, K. Sajanthan, S. Sivakanthan	457
613	AN EXPOSITION OF ETHICAL PREREQUISITES FOR MIND DEVELOPMENT R.M. Rathnasiri	458
528	LEGAL FRAMEWORK FOR THE PROTECTION OF GEOGRAPHICAL INDICATIONS IN SRI LANKA Thushani Shayanthan	459