

PH.D., M.PHIL. AND M.SC. DEGREES AWARDED & TITLES OF THESES IN 2019

Ph.D. Degrees Awarded in 2019

<i>No.</i>	<i>Degree Awardees</i>	<i>Titles of Theses</i>	<i>Supervisors</i>
Biochemistry and Molecular Biology			
01.	Saravanabavan Sayanthooran	<i>GENE EXPRESSION ANALYSIS FOR THE IDENTIFICATION OF CANDIDATE BIOMARKERS FOR CHRONIC KIDNEY DISEASE OF UNKNOWN ETIOLOGY (CKDU) IN SRI LANKA</i>	Prof. D N Magana Arachchi Prof. S S Sooriyapathirana
Chemical Sciences			
01.	Arumukham Manjeevan	<i>FABRICATION AND CHARACTERIZATION OF HIGH EFFICIENCY QUANTUM DOT-BASED SOLAR CELLS TO HARVEST SOLAR ENERGY IN A WIDE SPECTRUM</i>	Prof. J M S Bandara Prof. R M G Rajapakse
02.	Mohomed Qader Mallique	<i>CHEMISTRY OF SECONDARY METABOLITES PRODUCED BY PLANT AND MARINE ENDOPHYTIC FUNGI AND BIOACTIVITY STUDIES</i>	Prof. U L B Jayasinghe Prof. N S Kumar
03.	ADM Damayanthi	<i>STUDY OF 2D MATERIALS USING ADVANCED ELECTRON MICROSCOPY</i>	Prof. Veranja Karunaratne Prof. Gehan Amaratunga
04.	RBSD Rajapakse	<i>SCALING UP THE PROCESS OF DEVELOPING SELF-CLEANING AND ANTIBACTERIAL TEXTILE MATERIALS</i>	Prof. R M G Rajapaksha Prof. R G S C Rajapakse
05.	DMREA Dissanayake	<i>DEVELOPMENT OF ABSORBENTS FOR HEAVY METAL AND DYE CONTAMINATED WASTEWATER TREATMENT</i>	Dr. M C M Iqbal Prof. H M D Namal Priyantha Prof. S S Iqbal
Environmental Science			
01.	RS Diyabalanage	<i>CHEMICO-GEOGRAPHY OF SELENIUM AND ITS IMPACT ON FOOD CHAIN QUALITY AND ANIMAL HEALTH IN SRI LANKA</i>	Prof. R L R Chandrajith Prof. R G S C Rajapakse Dr. Ashoka Dangolla

02.	MGM Prasanna	<i>COMMUNITY STRUCTURE AND FUNCTION IN LAGOON FRINGING AND ESTUARINE MANGROVES FROM POTTUVIL TO OKANDA IN THE EAST COAST OF SRI LANKA</i>	Prof. K B Ranawana Prof. K M G G Jayasooriya
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Plant Sciences

01.	Kathirgamanathan Mohanan	<i>DEVELOPMENT OF MICROBIAL CO-CULTURES FOR LIGNOCELLULOSE DEGRADATION</i>	Prof. S A Kulasooriya Dr. R Rathnayake Prof. C L Abayasekera
02.	YS Athugala	<i>SEED DORMANCY AND STORAGE BEHAVIOR PROFILE AND DORMANCY BREAKING TREATMENTS FOR TROPICAL MONTANE SPECIES IN SRI LANKA; WITH SPECIAL REFERENCE TO EPICOTYL DORMANCY</i>	Prof. K M G G Jayasuriya Dr. A M Karunarathne Dr. A M T A Gunarathne

M.Phil. Degrees Awarded in 2019

No	Degree Awardees	Titles of Theses	Supervisors
Biochemistry and Molecular Biology			
01.	Rizliya Visvanathan	<i>INTERACTION OF GLUCOSE OXIDASE (GOX) WITH NON-GLUCOSE SUGARS: ASSOCIATED CLINICAL IMPLICATIONS AND ITS APPLICATION IN ASSESSING α-AMYLASE ACTIVITY</i>	Dr. Ruvini Liyanage Prof. R Sivakanesan
02.	RWK Amarasekara	<i>IDENTIFICATION OF BACTERIA AND FUNGI IN THE ATMOSPHERIC PARTICULATE MATTER AT SELECTED LOCATIONS OF KANDY, SRI LANKA</i>	Prof. D N Magana Arachchi Prof. P Samaraweera
03.	RMHW Rathnayake	<i>THE EFFECT OF PROXIMATE COMPOSITION, AND CHROMIUM, ZINC, CALCIUM AND PROSPEROUS ION CONCENTRATIONS ON IN VIVO GLYCEMIC RESPONSE IN DIFFERENT RICE VARIETIES</i>	Prof. J G S Ranasinghe Dr. S S P Silva

Chemical Sciences

01.	AGMS Wijesingha	<i>DETERMINATION OF MECHANISMS AND RATES IN SONOCHEMICAL REACTIONS USING ELECTRONIC STRUCTURE METHODS</i>	Prof. Asiri Nanayakkara Prof. Rohan Weerasooriya
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02.	MM Subasinghe	<i>SEASONAL VARIATION OF BIOCHEMICAL COMPOSITION, FATTY ACIDS AND METAL CONTENT IN CULTURED AND WILD OYSTER (CRASSOSTREA MADRASENSIS) AT PUTTALAM LAGOON, SRI LANKA</i>	Prof. A N Navarathne Mr. B K K K Jinadasa
03.	HRWMDPK Niyangoda	<i>CHEMISTRY AND BIOCHEMISTRY OF FIVE POPULAR EDIBLE FRUITS IN SRI LANKA</i>	Prof. Lalith Jayasinghe Prof. N S Kumar
04.	DMDM Dissanayake	<i>CHEMISTRY AND BIOACTIVITY OF SECONDARY METABOLITES PRODUCED BY ENDOPHYTIC FUNGI IN THE FRUITS OF PHYLLANTHUS ACIDUS AND ELAEOCARPUS SERRATUS</i>	Prof. Lalith Jayasinghe Prof. N S Kumar
05.	Sathya Sambavathas	<i>INVESTIGATION OF ACETYLCHOLINESTERASE INHIBITORY ACTIVITY OF SELECTED SRI LANKAN GROWN SPICES AS POTENTIAL THERAPEUTIC AGENTS FOR ALZHEIMER'S DISEASE</i>	Prof. Lalith Jayasinghe Dr. N R Amarasinghe
06.	RBJ Buddhika	<i>METHODS FOR ENHANCING SOLUBILITY OF RESVERATROL</i>	Prof. N L V V Karunaratne Prof. D N Karunaratne
07.	MCR Peiris	<i>SYNTHESIS OF METAL COMPLEXES THAT CAN BE USED AS CATALYSIS FOR THE CONVERSION OF CARBON DIOXIDE INTO USEFUL CHEMICALS</i>	Prof. M Y U Ganehenage

Earth Sciences

01.	AAV Dias	<i>SPATIAL ANALYSIS AND MODELLING FOR LANDSLIDE SUSCEPTIBILITY MAPPING IN KALAWANA, SRI LANKA</i>	Dr. Jagath Gunatilake Prof. Cees Van Westen
02.	DLC Pushpakumara	<i>INVESTIGATION OF PERMEABLE ZONES ON DAM ABUTMENT AND DESIGNING EFFECTIVE GROUT CURTAINS CASE STUDY FOR UPPER KOTHTALE DAM</i>	Dr. Jagath Gunatilake

Environmental Science

01.	Gnanapragasam Naveendrakumar	<i>HISTORICAL TRENDS IN AVERAGES AND EXTREMES OF RAINFALL, TEMPERATURE AND RUNOFF OF SRI LANKA</i>	Dr. S Pathmaraj Dr. M C M Iqbal Dr. M Vithanage
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Mathematics

01.	Yogeswary Raviraj	<i>REAL TIME TRAFFIC CONTROL OPTIMUM PHASES AT ROAD ISOLATED INTERSECTIONS AND ARTERIAL NETWORKS</i>	Prof. W B Daundasekara
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Physics

01.	KJRS Fernando	<i>REDUCTION OF COST OF PORCELAIN PRODUCTS BY INCREASING LOCAL RAW MATERIAL PORTION</i>	Prof. B S B Karunaratne
02.	HMPS Herath	<i>BEHAVIOUR OF SINGLE BUBBLE SONOLUMINESCENCE IN DIFFERENT LIQUID MEDIA</i>	Prof. A Nanayakkara Dr. V A Seneviratne

Plant Sciences

01.	BMSK Bandaranayake	<i>TAXONOMY AND BIOGEOGRAPHY OF SRI LANKAN LEAFY LIVERWORTS (PHYLUM MARCHANTIOPHYTA CLASS JUNGERMANNIOPSIDA)</i>	Dr. S C K Rubasinghe
02.	BRRMYSTB Bambaradeniya	<i>INCIDENCE AND LIFE HISTORIES OF DIPTERANS CAUSING MYIASIS IN PATIENTS ADMITTED TO THE SURGICAL WARDS OF HOSPITALS IN AND AROUND CENTRAL PROVINCE, SRI LANKA</i>	Dr. W A I P Karunaratne Dr. I Goonerathne Dr. H M S R B Kotakadeniya
03.	EMMWKO Bandaranayaka	<i>INTRA-AURAL TICKS CAUSING HUMAN OTOACARISIS: SEASONALITY AND RISK FACTORS AFFECTING DISEASE INCIDENCE IN TWO CLIMATICALLY DIFFERENT DISTRICTS IN SRI LANKA</i>	Dr. R S Rajakaruna Prof. R P V J Rajapakse

Zoological Sciences

01.	IS Ileperuma Arachchi	<i>MOLECULAR PHYLOGENETIC RELATIONSHIPS OF SELECTED CRAB SPIDER GENERA (ARANEAE: THOMISIDAE) WITH NOTES ON NEW SPECIES FROM SRI LANKA</i>	Prof. S P Benjamin Dr. P Samaraweera
02.	Nilani Kanesharatnam	<i>MOLECULAR PHYLOGENY AND TAXONOMIC REVISION OF TRIBE CHRYSILLINI INCLUDING SELECTED JUMPING SPIDER GENERA (FAMILY: SALTICIDAE)</i>	Prof. S P Benjamin Dr. Madhava Meegaskumbura

M.Sc. Degrees Awarded in 2019

<i>No.</i>	<i>Awardees</i>	<i>Titles of Research Project Reports</i>
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M.Sc. – Analytical Chemistry

1. RADSMR Weerasekara *ANALYSIS OF LEAD (PB) CONTENT OF SELECTED ENAMEL PAINTS AFTER THE ENFORCEMENT OF PB CONTROL ACT (2013)*
2. RMVHC Rajapakshe *INVESTIGATION OF GYRINOPS WALLA GAERTN*
3. GK Rupasinghe *EFFECT OF RUSTED PIPELINES ON IRON CONTENT IN TAP WATER OF THE FACULTY OF SCIENCE, UNIVERSITY OF PERADENIYA, SRI LANKA*
4. KSD Premarathna *CLAY-BIOCHAR COMPOSITES FOR SORPTIVE REMOVAL OF TETRACYCLINE ANTIBIOTICS IN AQUEOUS MEDIA*
5. PWY Lakshani *MONITORING OF PESTICIDE RESIDUES IN SEVERAL SELECTED VEGETABLES IN SELECTED AREAS IN SRI LANKA BY GAS CHROMATOGRAPHY-MASS SPECTROMETRY*
6. JHMJS Ranaweera *BIO REMOVAL OF Pb^{2+} AND Cd^{2+} BY NELUMBO NUCIFERA RHIZOME POWDER AND FIBER*
7. UND Uduwela *CHARACTERIZATION AND TOXICITY STUDIES OF POE-15 SURFACTANT IN GLYPHOSATE FORMULATION (ROUNDUP) AVAILABLE IN SRI LANKA*
8. HDH Thirilanka *INCREASING THE SOLUBILITY OF POTASSIUM FELDSPAR WITH RICH CULTURE OF NATURAL SOIL MICROBES*
9. WDPTK Wimalasena *REMOVAL OF COPPER (II) USING SCRAPED COCONUT WASTE*
10. DMAL Dissanayake *APPLICATION OF TEA WASTE AS A BIOSORBENT FOR REMOVAL OF Cu^{2+} FROM AQUEOUS SOLUTION - A PRELIMINARY INITIATIVE*
11. GPRS Premachandra *IMPACT OF HARDNESS ON THE INTERACTION OF ZN (II) WITH PANICUM MAXIMUM DRIED LEAVES*
12. JAPC Jayasinghe *LOW COST TREATMENT METHOD TO IMPROVE THE QUALITY OF EFFLUENT WATER FROM SMALL SCALE VEHICLE SERVICE STATIONS*
13. SM Hinnawala *DEVELOPMENT AND ANALYSIS OF HERBAL HAIR DYE*
14. UW Erandini *ANTIOXIDANT ACTIVITY AND CYTOTOXICITY OF SEVEN ALIEN INVASIVE PLANTS IN SRI LANKA*
15. BT Kumara *FREE ENERGY PROFILES OF CELL PENETRATING PEPTIDES PASSIVELY TRANSLOCATING DIOLEYLPHOSPHATIDYLCHOLINE (DOPC) LIPID BILAYER*
16. BAGSP Karunathilaka *EFFECT OF REPEATED HEATING OF COCONUT OIL, PALM OIL AND 1:1 MIXTURE OF OILS ON CHANGES OF THEIR PHYSICOCHEMICAL PROPERTIES*

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| 17. | TMCK Thalwaththehena | <i>COMPARATIVE CHEMICAL ANALYSIS OF A BLACK TEA GRADE FROM DIFFERENT REGIONS IN SRI LANKA</i> |
| 18. | UGPP Subasinghe | <i>ENCAPSULATION OF CINNAMON LEAF OIL WITHIN CHITOSAN: FORMULATION AND INVITRO EVALUATION OF ANTIFUNGAL EFFICACY AGAINST ASPERGILLUS FLAVUS</i> |
| 19. | BWV Vidya | <i>DETERMINATION OF INORGANIC ARSENIC SPECIES IN NATURAL WATER BY ANODIC STRIPPING VOLTAMMETRY</i> |
| 20. | MMSP Maparathne | <i>MONTMORILLONITE COMPOSITES OF NOTHAPODYTES FOETIDA ALKALOIDS</i> |
| 21. | PKWLS Bandaranayake | <i>REMOVAL OF PB^{2+} AND CD^{2+} USING MORINGA OLEIFERA SEEDS</i> |

M.Sc. – Applied Epidemiology

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| 1. | WMIA Senevirathne | <i>TEENAGE PREGNANCIES IN SRI LANKA: A SYSTEMATIC APPROACH</i> |
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M.Sc. – Applied Statistics

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| 1. | Mohamed Ismail Rifkhan
Ahamed | <i>DYNAMICS OF SRI LANKAN EXCHANGE RATES OF MAIN TRADING PARTNERS</i> |
| 2. | KN Rathnayake | <i>DEVELOPMENT OF RAINFALL INTENSITY DURATION FREQUENCY (IDF) CURVES FOR WATAWALA, SRI LANKA</i> |

M.Sc. – Biodiversity, Ecotourism and Environment Management

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| 1. | Packiyathan Rajkumar | <i>IDENTIFICATION OF ECOTOURISM POTENTIAL IN THE JAFFNA DISTRICT</i> |
| 2. | ND Samarawickrama | <i>DISTRIBUTION PATTERN OF MYROXYLON BALSAMUN AT UDAWATTAKELE GFOREST RESERVE</i> |
| 3. | DDD G Kumari | <i>THE ANTIOXIDANT ACTIVITY OF GYMNEMA SYLVESTRE LEAF EXTRACT</i> |
| 4. | HMP Peiris | <i>ECOTOURISM POTENTIAL OF MASKELIYA TEA PLANTATION AREA WITH SPECIAL EMPHASIS ON HAPUGASTENNA ESTATE</i> |
| 5. | TK Weerakkody | <i>PERCEPTIONS OF INTERNATIONAL TOURISTS TOWARDS THE ENVIRONMENTAL MANAGEMENT IN CULTURAL HERITAGE AREAS IN KANDY DISTRICT</i> |
| 6. | Ponnushamy Jeyanthini | <i>TOURISM IMPACT AND ECOTOURISM POTENTIAL IN PASSIKUDAH (BATTICALOA DISTRICT) SRI LANKA</i> |
| 7. | DP Kalyanawansa | <i>MANAGEMENT OF SOLID WASTE GENERATED BY THE SRIPADA PILGRIMAGE THROUGH THE PRACTICE OF ECOTOURISM WITHIN THE NALLATHANNIYA ROUTE</i> |

M.Sc. – Clinical Biochemistry

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| 1. | KG Nilmanel | <i>ASSESSMENT OF IN VITRO ANTIDIABETIC EFFECTS OF TERMINALIA ARJUNA,</i> |
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SARACA ASOCA AND MIMOSA PUDICA

2. O Dheerasekara *ANTIGLYCATION EFFECTS OF SOME MEDICINAL PLANTS USED TO TREAT SKIN CONDITIONS*
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M.Sc. – Computer Science

1. DMPS Dissanayake *ONLINE LECTURING SUPORT SYSTEM*
 2. SMSP Sundarapperuma *AN INFORMATION SYSTEM FOR REGIONAL CIVILADMINISTARION OFFICE AT KILINOCCHI*
 3. WMA Bandara *EXTRACTION OF RESEARCH AND DEVELOPMENT EXPERTISE WITH SIMILARITY BASED WEB CLUSTERING*
 4. SDDN Sirimevan *IDENTIFICATION OF MANGO PLANT LEAVES USED IN AYURVEDIC MEDICINE USING COMPUTER BASED VENATION PATTERN ANALYSIS*
 5. VE Nirmalan *A COMPUTER VISION BASED SYSTEM FOR RICE GRAIN CLASSIFICATION*
 6. DSRC Sawanawadu *PREVENTING BOTNET ACTIVITIES ON ANDROID SMART DEVICES*
 7. KMGK Herath *GAME BASED APPROACH TO TEACH SQL FOR GENERATION Z STUDENTS IN HIGHER EDUCATION*
 8. Sundaramoorthy Sriharan *A WEB-BASED SYSTEM FOR MANAGING ACTIVITIES IN TELLIPPALAI DIVISIONAL SECRETARIAT*
 9. KNG Kasthuriarachchi *DEVELOPMENT OF AN ON-LINE SHIPPING CARGO AND LOGISTICS APPLICATION*
 10. Jeyaprashan Puvanendran *RESUME SUMMARIZING USING NATURAL LANGUAGE PROCESSING AND MACHINE LEARNING*
 11. Kanagasabai Thiruthanigesan *OPTICAL CHARACTER TRANSLATION USING SPECTACLES (OCTS)*
 12. Rajaratnam Senthana *A STUDY ON MULTIAGENT BASED APPROACH TO SIMPLIFY DATABASE SECURITY OPERATIONS THROUGH SQL INJECTION DETECTION*
 13. Mohamed Muzammil Mohamed Mufassirin *A NOVEL FILTER-WRAPPER BASED FEATURE SELECTION APPROACH FOR CANCER DATA CLASSIFICATION*
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M.Sc. – Disaster Management

1. WGW Wanasinghe *A STUDY OF HUMAN ELEPHANT CONFLICT AND ELECTRIC FENCING AS A MITIGATION METHOD IN THE KURUNEGALA DISTRICT*

2. WMSMB Samarakoon *SOCIAL AND ENVIRONMENTAL IMPACTS OF LIMESTONE INDUSTRY IN KUNDASALE AREA, SRI LANKA*
 3. Thevarajah Rasaroopan *IMPACT OF RAINFALL ON GLACIAL LANDFORMS: LANDSLIDE DEVELOPMENT IN KALUTARA DISTRICT*
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M.Sc. – Engineering Geology & Hydrogeology

1. BKC Basnagoda *MODIFICATION OF BLAST DESIGN TO IMPROVE THE TUNNEL EXCAVATION PROGRESS UNDER ADVERSE GEOLOGICAL CONDITIONS: CASE FROM UMA-OYA PROJECT*
 2. HSL Kumara *ENGINEERING GEOLOGICAL ASSESSMENT OF POWERHOUSE COMPLEX IN UMA OYA MULTIPURPOSE DEVELOPMENT PROJECT, SRI LANKA*
 3. WKSM Wakwella *GEOTECHNICAL INVESTIGATION AND STABILITY ANALYSIS OF THE LANDSLIDE AT WATAKOLULANDA, IMBULPE IN RATNAPURA DISTRICT*
 4. RD Perera *CORRELATION OF STANDARD PENETRATION TEST AND DYNAMIC PROBE SUPER HEAVY PENETRATION RESISTANCE VALUES IN SRI LANKAN SOILS*
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M.Sc. – Environmental Science

1. DL Munasinghe *TRENDS IN TRANSNATIONAL ILLEGAL WILDLIFE TRADE OF FAUNA IDENTIFIED THROUGH CUSTOMS DATA AND THE CITIES CONVENTION IN SRI LANKA'S CONTEXT*
2. HMKP Dissanayake *ANALYSIS OF WATER QUALITY IN CKDU PREVALENCE AREAS IN MONARAGALA DISTRICT SRI LANKA*
3. DMKG Dissanayake *COMPARATIVE STUDY ON DESULFURIZATION OF WASTE RUBBER PYROLYSIS OIL IN SRI LANKA*
4. JWMES Weerappuliarachchi *SYNTHESIS AND OPTIMIZATION OF PROPERTIES OF ANTIBACTERIAL NYLON*
5. AP Wijesinghe *EVALUATING THE ENVIRONMENTAL IMPACTS DUE TO CONSTRUCTION OF THE CENTRAL EXPRESSWAY, SRI LANKA*
6. DM Abeysekara *COMPARISON OF HEAVY METALS IN TOMATOES & CHILLI PLANTS BETWEEN ORGANIC AND CHEMICAL FERTILIZERS*
7. AMEN Adhikari *CONSERVATION OF EXACUM PEDUNCULATUM L. , A CRITICALLY ENDANGERED PLANT ONLY KNOWN FROM BOBELLA, NAULA*
8. WPGSE Jayarathna *REMOVAL OF DYES FROM TEXTILE DYEING EFFLUENTS USING NATURAL ADSORBENTS*
9. WMGISL Wijethunga *IMPACT IDENTIFICATION AND PREPARATION OF A CATCHMENT MANAGEMENT PLAN FOR ATIPOLA MOUNTAIN RANGE, MATALE DISTRICT, SRI LANKA*

10. R MUH Senanayake *SUGGESTED IMPACT ASSESSMENT OF THE REJECT WATER QUALITY OF REVERSE OSMOSIS PLANTS IN MADAWACHCHIYA DIVISIONAL SECRETARIAT*
 11. RMNK Rajakaruna *HEALTH RISKS OF USING REVERSE OSMOSIS WATER: A CASE STUDY FROM MEDAWACHCHIYA DIVISIONAL SECRETARIAT*
 12. GDNM Rajapaksha *REDUCTION OF COLOR OF LEACHATE USING ACTIVATED CHARCOAL-CLAY BRICK SYSTEM*
 13. KVDHR Karawita *STUDY OF FORAGING BEHAVIOUR AND FEEDING ECOLOGY OF INDIAN PANGOLON (MANIS CRASSICAUDATA) IN A HABITAT AND ASSOCIATED CULTIVATIONS IN SOUTHWEST SRI LANKA*
 14. BMCS Wijesinghe *DEFINING A SENSITIVE MARINE HABITAT EXCLUSION CRITERION FOR DRILLING OPERATIONS IN THE HYDROCARBON EXPLORATION BLOCK M2 IN THE GULF OF MANNAR OF SRI LANKA*
 15. KRS Perera *POTENTIAL USE OF SELECTED MACROPHYTES BASED WETLANDS FOR IMPROVING WATER QUALITY IN TREATMENT OF LANDFILL LEACHATE*
 16. RAJ Chathuranga *CHEMICAL ANALYSIS OF BULK DEPOSITION IN SELECTED LOCATIONS IN GAMPAHA DISTRICT*
 17. Raveendranathan Rajiheran *A STUDY ON HEAVY METAL CONTAMINATION IN SELECTED MAN-MADE BRACKISH WATER AQUACULTURE SYSTEMS IN THE EASTERN PROVINCE*
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M.Sc. – Experimental Biotechnology

1. SNP Withanage *EVALUATION OF HEPATOTOXICITY BY DIFFERENT PHENETIC GROUPS OF MONOCHORIA VAGINALIS*
2. HPKU Jayathilake *DETERMINATION OF THE PHYLOGENETIC POSITION OF NEPENTHES DISTILLATORIA USING RBCL AND RBCS SEQUENCES*
3. RN Dissanayake *DIVERSITY ANALYSIS OF SELECTED SOLANUM SPECIES IN SRI LANKA USING MOLECULAR AND CONVENTIONAL DESCRIPTORS*
4. SASM Kumari *DIVERSITY ANALYSIS OF LUFFA VARIETIES IN SRI LANKA*
5. Arani Mahipalan *ASSESSMENT OF THE DIVERSITY AMONG THE SELECTED MEMBERS OF GENUS ALTERNANTHERA IN SRI LANKA*
7. MGKP Dayarathne *IDENTIFICATION, PARTIAL PURIFICATION AND CHARACTERIZATION OF SERINE AND ASPARTIC PROTEASE INHIBITATION FROM NORTHOPEGIA BEDDOMEI*
8. RB Senanayake *PHYLOGENETIC ANALYSIS OF THE KEY ARTOCARPUS SPECIES (A NOBILIS, A HETEROPHYLLUS, A ALTILIS, A CAMANSI AND A. GOMENZIANUS IN SRI LANKA)*
9. KMMG Karunanayake *COMPARISON OF THE LIPID LEVELS OF NEWLY DIAGNOSED PATIENTS WITH DIABETES, HYPERTENSION, AND ISCHEMIC HEART DISEASE WITH*

INDIVIDUALS WHO ARE NOT DIAGNOSED AS HAVING SUCH DISEASES IN DAMBADENIYA

10. EGCN Premathilaka *EVALUTION OF THE DEVELOPMENT OF BONE MICROARCHITECTURE AND RAPID FRACTURE HEALING OF OSTEOPOROTIC MICE FED WITH PLANT EXTRACTIONS OF SALACIA RETICULATA AND PSYCHOTRIA SARMENLOSA*
 11. ALA Lakmini *BACTERIAL DIVERSITY PROFILE OF RICE ENDOPHYTES WITH BIOFILM BIO FERTILIZER AND CHEMICAL FERTILIZER APPLICATION PRACTICES*
 12. WDBN Perera *A WGS DERIVED GENOMIC CONTIG ANALYSIS OF A PUTATIVE ANGIOTENSINOGEN FROM THE TELEOST SEBASTES SCHLEGELII: A TRIAGE OF IN - SILICO ANALYSIS, MOLECULAR CLONING AND RESPONSE STUDY TO IMMUNE CHALLENGES*
 13. Kowsalavani Rangasamy *EXPOSURE RATE TO ZIKA VIRUS INFECTION IN A SUB COHORT OF CLINICALLY DIAGNOSED DENGUE PATIENTS PRESENTED TO THE TEACHING HOSPITAL JAFFNA, SRI LANKA*
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M.Sc. – GIS & Remote Sensing

1. WML Weerasinghe *SPATIAL DISTRIBUTION OF SOIL ORGANIC CARBON STOCK IN SRI LANKA: A GIS APPROACH*
 2. HMNGIP Herath *EXTENSIBLE REMOTE SENSING PLATFORM FOR AIR QUALITY MONITORING: A CASE STUDY IN KANDY CITY LIMITS*
 3. KBC Jayanthi *APPLICATION OF GIS IN ENVIRONMENTAL IMPACT ASSESSEMENT STUDIES-A CASE STUDY FROM BADULLA-KANDY-HIGHWAY-SRI LANKA*
 4. HP Siriwardhana *SPATIAL DISTRIBUTION OF METAL QUARRIES AND THEIR IMPACTS ON SURROUNDING AREAS A CASE STUDY FROM KURUNEGALA, SRI LANKA*
 5. VLN Thembiliyagodage *GIS MODEL FOR RESIDENTIAL LAND SUITABILITY FOR URBAN PLANNING IN KANDY MUNICIPAL AREA*
 6. Sandhanam Nishanthi *SPATIAL PATTERN OF REGIONAL DEVELOPMENT DISPARITIES IN NUWARA ELIYA DISTRICT USING GIS*
 7. SRMUBB Rathnayake *DEVELOPMENT OF A NOISE MAP FOR KANDY AREA-SRI LANKA*
 8. SSK Wattedgedara *APPLICATION OF GIS AND REMOTE SENSING IN FLOOD MANAGEMENT: A CASE STUDY IN THE SEGMENT OF KELANI RIVER BASIN, COLOMBO, SRI LANKA*
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M.Sc. – Gemmology & Industrial Minerals

1. SVTD Raveendrasinghe *A HEAT TREATMENT METHOD TO CONVERT SRI LANKAN PALE REDDISH BLUE COLOUR DEGUNA STONES TO PADPARADSCHA SAPPHIRE USING LAKMINI FURNACE*

2. AADC Shanthapriya *COMPARISON OF INCLUSION CHARACTERISTICS IN SAPPHIRES OF ELAHERA AND RATNAPURA GEMMING REGIONS OF SRI LANKA*
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M.Sc. – Industrial Chemistry

1. SMTK Labutale *PRESSURE RELIANCE ELECTRONICALLY CONDUCTING COMPOSITE MATERIALS BASED ON POLYMER AND CARBON*
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M.Sc. – Industrial Mathematics

1. WADM Welagedara *THE VERHULST LOGISTIC GROWTH MODEL AND GOMPertz MODEL TO FORECAST POPULATION OF SRI LANKA*
2. SBMAU Herath *SOME COSMOLOGICAL MODELS WITH THE INFLATIONARY UNIVERSE*
3. AMSK Abeykoon *A CASE STUDY OF NURSE SCHEDULING PROBLEM USING GOAL PROGRAMMING*
4. AMR Sandamali *OPTIMIZATION TECHNIQUES FOR THE VEHICLE ROUTING PROBLEM ARISEN AT A MILK COLLECTION CENTER*
5. AMP Chandrasiri *FUZZY INVENTORY MODEL WITH SHORTAGE USING TRAPEZOIDAL FUZZY NUMBERS & SINGED DISTANCE METHOD*
6. WTCH Costha *AUTOMATIC QUEUING MODEL FOR BANKING APPLICATIONS*
7. MAUS Marasinghe *A MATHEMATICAL APPROACH TO TIMETABLING IN TECHNICAL COLLEGE*
8. SH Thalpehewa *MODELING THE EMERGENCY SURGICAL INPATIENT FLOW AN APPLICATION OF QUEUING THEORY*
9. MGPAK Thilakarathna *THE IMPACT OF JOB SATISFACTION ON EMPLOYEE RETENTION AMONG JUNIOR STAFF MEMBERS: A CASE STUDY OF A SELECTED INSTITUTE IN SRI LANKA*
10. LDVP De Silva *AN EFFECTIVE APPROACH FOR SOLVING ELECTRIC VEHICLE SHORTESTPATH PROBLEM WITH INTERMEDIATE STOPS AND AVOIDING CITIES*
11. Jeayarajah Sharachie *PRODUCTION PLANNING FOR A DAIRY PRODUCT*
12. PAND Pathiraja *MATHEMATICAL MODELING OF 2017 VIRAL FEVER OUTBREAK IN UNIVERSITY*
13. WMAK Wijesuriya *A GENERALIZED MODEL FOR SYNCHRONIZATION IN MULTI-MANUFACTURE MULTI-BUYER INTEGRATED INVENTORY SUPPLY CHAIN*
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M.Sc. – Medical Physics

1. SW Arachchi *TWO DIMENSIONAL TREATMENT PLANNING OF BREAST USING LOCALLY MADE BREAST CALIPER MEASUREMENTS*
2. ILU Chandrasiri *ASSESSMENT OF CORRELATION BETWEEN MAMMOGRAPHIC BREAST DENSITY*

AND AFFECTING FACTORS: A QUANTITATIVE APPROACH

3. SB Herath *EVALUATION OF POINT-OF-CARE INSTRUMENT FOR INTRAVENOUS HEMOGLOBIN CONCENTRATION*
 4. AS Munasinghe *STUDY OF THE EFFECTIVE HALF-LIFE TIME AND ESTIMATION OF DOSE RATE MEASUREMENTS OF THE PATIENTS TREATED WITH RADIOACTIVE IODINE (¹³¹I)*
 5. RMGK Ariyasinghe *ESTIMATION OF SURFACE AND BUILD-UP REGION DOSE FOR COBALT-60 TELE-THERAPY UNITS*
 6. Loganathan Thasanthan *IMPACT OF TREATMENT DURATION ON CERVICAL CANCER OUTCOMES WITH CONCOMITANT CHEMORADIATION*
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M.Sc. – Medical Microbiology

1. Mohamed Najimudeen Fathima Shahnas *COMPARISON OF ANTIBIOTIC SUSCEPTIBILITY AND BIO-FILM FORMATION ABILITY OF ACINETOBACTERS OF COMMUNITY AND HOSPITAL ORIGIN*
 2. TPGRR Karunarathna *LARVICIDAL EFFECT OF CARICA PAPAYA LEAF EXTRACT AGAINST AEDES SPECIES*
 3. TS Munasinghe *COLONIZATION WITH ANTIBIOTIC RESISTANT BACTERIA AMONG HEALTHY YOUNG ADULTS IN UNIVERSITY OF PERADENIYA*
 4. WMA Indeewari *ANTIVIRAL ACTIVITY OF CARICA PAPAYA L. LEAF EXTRACT AGAINST DENGUE VIRUS-1 IN EXPERIMENTAL INFECTIONS*
 5. SDK Wijesuriya *CLINICAL LABORATORY PROFILES AND COMPARISON OF NS1 AND VIRAL RNA DETECTION IN A SELECTED GROUP OF DENGUE SUSPECTED PATIENTS*
 6. KCAS Somarathna *SEROPREVALENCE AND CARRIER STATUS OF LEPTOSPIROSIS RAT INFESTED IN GIRANDURUKOTTE, SRI LANKA*
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M.Sc. – Nanoscience & Nanotechnology

1. KEDYT Dayananda *SYNTHESIS OF HEAMATITE NANOMATERIALS FROM SRI LANKAN LATERITES*
2. UGM Ekanayake *FABRICATION OF STEARIC ACID LAYERED TREATED ZNO UMBRELLA CANOPY WITH SUPERHYDROPHOBIC AND UV BLOCKING PROPERTIES*
3. DN Liyanage *ALKYL-FUNCTIONALIZED ORGANIC DYE FOR DYE-SENSITIZED SOLID-STATE SOLAR CELL CONSISTING COPPER IODIDE AS A HOLE CONDUCTOR*
4. LMSU Lemasthota *SYNTHESIS OF VALUE ADDED IRON OXIDE NANOPARTICLES FROM SRI LANKAN RED EARTH DEPOSITS*
5. Raagulan Kanthasamy *SYNTHESIS AND CHARACTERIZATION OF PHOTOCATALYTICALLY ACTIVE*

U₃O₈@ZNO NANOCOMPOSITE

6. BPN Gunawardhana *HEMATITE NANOPARTICLES PREPARED FROM LATERITES AS ADSORBENTS FOR THE REMOVAL OF CD(II) AND NI(II)*
 7. WRWMAUB Weerakoon *IMPROVEMENT OF MECHANICAL PROPERTIES OF CLAY BASED CERAMICS USING SYNTHESIZED NANO-ALUMINA AND FLY ASH*
 8. A Heenatigala *DEVELOPMENT OF A SUPER CAPACITOR WITH ACTIVATED COCONUT CHARCOAL ELECTRODES WITH TRIETHYLAMINE THIOCYANATE (TAT) AS THE ELECTROLYTE*
 9. MAYU Jayathilaka *LIQUID BASED DYE-SENSITIZED SOLAR CELLS USING ACTIVATED CHARCOAL COUNTER ELECTRODE WITH MORPHOL AS A BINDER*
 10. JMGB Jayasinghe *VISIBLE LIGHT DRIVEN PHOTOCATALYTIC HYDROGEN PRODUCTION BY COPPER DOPED TiO₂*
 11. SMCG Samarakoon *EFFECT OF PARTICLE SIZE OF SILVER NANOPARTICLES IN CARBON SUPPORTED SILVER ON ELECTRO-CATALYTIC ACTIVITY TOWARDS OXYGEN REDUCTION*
 12. SAJA Kumari *ZINK OXIDE DISPERSED POLY(METHYL METHACRYLATE) NANOCOMPOSITE AS AN ANTIBACTERIAL FOOD PACKING MATERIAL*
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M.Sc. – Physics of Materials

1. KLG Sankalpa *CHARACTERIZATION OF CDS THIN FILMS SYNTHESIZED BY CHEMICAL BATH DEPOSITION: EFFECT OF PURGING & ANNEALING WITH N₂*
 2. WKDAU Wijesinghe *EFFECT OF ASCORBIC ACID ON CHEMICAL BATH DEPOSITION OF CDS ON GLASS SUBSTRATES*
 3. KGSPB Samarakoon *PHYTOFABRICATION OF SILVER NANOPARTICLES USING AZADIRACHTA INDICA*
 4. KK Wimalaweera *EFFECT OF AL₂O₃ CERAMIC FILLER ON STRUCTURAL AND IONIC PROPERTIES OF POLY (ETHYLENE OXIDE)-LITHIUM PERCHLORATE SOLID POLYMER ELECTROLYTE*
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M.Sc. – Science Education

1. EMPGSY Priyadarshani *INVESTIGATION ON THE EFFECTIVENESS OF GCE (A/L) SCIENCE STUDENT'S PROJECTS: A CASE STUDY IN HANGURANKETHA EDUCATION ZONE*
2. Naazneen Abdulla Didi *AN EMPIRICAL STUDY OF INVESTIGATING THE EFFECT OF USING LOW COST MATERIALS IN PRACTICALS IN TEACHING CHEMISTRY IN LOWER SECONDARY SCHOOLS IN ADDU CITY, MALDIVES*

3. Sulthan Ramiz *LOWER SECONDARY BIOLOGY TEACHER'S PERCEPTION TOWARDS INQUIRY BASED TEACHING IN MALE SCHOOL OF MALDIVES*
 4. DI Abeywickrama *USE OF AN ALTERNATIVE APPROACH TO TEACH PROPERTIES OF ELEMENTS IN THE PERIODIC TABLE: A CASE STUDY FOR GRADE 10 STUDENTS*
 5. SAB Maheshinee *AN INVESTIGATION OF STUDENTS' SELF CONCEPTS AND MOTIVATION ON DIFFERENT TEACING METHODS IN G.C.E. (O/L) PHYSICS*
 6. HHVM Sanjeevani *MISCONCEPTIONS IN BIOLOGY: TEACHING STRATEGIES FOR CONCEPTUAL CHANGES IN STUDENTS*
 7. Mohamed Asanar
Fathima Firoza Farlin *INVESTIGATION OF TEACHERS' PERCEPTIONS ON SUPPORT MATERIALS AND IN-SERVICE TRAINING FOR REVISED G.C.E. ADVANCED LEVEL BIOLOGY CURRICULUM*
 8. LJH Wijayasekara *PLANNING AND EVALUATING THE INFLUENCE OF PROGRAMMED INSTRUCTION IN CHEMISTRY LESSONS FOR ADVANCED LEVEL BY USING B.F. SKINNERS OPERANT CONDITIONING*
 9. GM Elgirige *AN EFFECTIVE USE OF GEOGEBRA_6 SOFTWARE ON MATHEMATICS ACHIEVEMENTS:-ENLIGHTENING TRIGONOMETRY FUNCTIONS TO GRADE 12 MATHEMATICS STUDENTS*
 10. JCK Ekanayake *APPLICATION OF AUTHENTIC ASSESSMENT IN JUNIOR SECONDARY SCHOOL BIOLOGY IN SRI LANKA: AN ILLUSTRATIVE STUDY ON GRADE 9 SCIENCE-OBSERVE THE ENVIRONMENT AS A SCIENTIST*
 11. PWG Rambanda *EFFECT OF ADDITIONAL HELP IN GRADE 11 STUDENTS' MATHEMATICS ON ACHIEVEMENT IN PHYSICS: A CASE STUDY FROM THELDENIYA ZONE*
 12. EJKPP Hemamali *FACTORS AFFECTING PERFORMANCE OF STUDENTS IN GRADE 11 MATHEMATICS: A CASE STUDY*
 13. DGNI Vijayanthi *RELATIONSHIPS BETWEEN STUDENTS' PERFORMANCE IN FOUR SELECTED CORE SUBJECTS AND G.C.E. (O/L) EXAMINATION RESULTS*
 14. NR Somarathne *FACTORS AFFECTING STUDENT PERFORMANCE IN SCIENCE AT G.C.E.(A/L): A CASE STUDY FROM NEWLY UPGRADED SECONDARY SCHOOLS IN THE KURUNEGALA EDUCATION ZONE*
 15. Mohammed Farook
Mohammed Jesmin *A COMPARATIVE STUDY OF STUDENT PERFORMANCE ON TRADITIONAL LEARNING AND ACTIVITY BASED LEARNING: A CASE STUDY IN GRADE 10 PHYSICS*
 16. Logeswaran Senthuran *INVESTIGATION OF FACTORS AFFECTING POOR PERFORMANCE IN G.C.E.(O/L) SCIENCE AT KOPAY DIVISION IN JAFFNA EDUCATIONAL ZONE AND FINDING REMEDIAL MEASURES*
 17. WACK Wickremasinghe *STUDENTS' PERFORMANCES AND ISSUES ON CHEMISTRY NUMERICAL CALCULATIONS IN GENERAL CERTIFICATE OF EDUCATION (ADVANCED LEVEL): A CASE STUDY IN KANDY EDUCATIONAL DIVISION*
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M.Sc. – Water Resources Management

1. V K N Sameera

*ENVIRONMENTAL IMPACT OF NEWLY BUILT TANKS SYSTEM UNDER THE
MORAGAHAKANDA - KALUGANGA RE-SETTLEMENT PROGRAMME OF SRI
LANKA*
