

Ph.D. and M.Phil. DEGREES AWARDED in 2016

Degree Awardees

Titles of Theses

Ph.D. – Biochemistry and Molecular Biology

01. W B W M R Y C Aluwihare Identification of the genomic regions associated with phosphorus deficiency tolerance in Sri Lankan rice germplasm for marker assisted breeding
Supervisors: Dr. S D S S Sooriyapathirana and Dr. S Rajapakse

Ph.D. – Chemical Sciences

01. K A N P Katuwavila Improving the bioavailability of bioactive components for drug and cosmetic based applications
Supervisors: Prof V Karunaratne, Prof. D N Karunaratne and Prof. A D L C Perera
02. H M S Wasana Assessment of drinking water quality towards the identification of causative factors for chronic kidney disease of unknown etiology (CKDu)
Supervisors: J M S Bandara, Prof. R Weerasooriya and Dr. P D S Gunawardhana
03. K G C Senarathna Development of nanoclay-polymer composites as low-cost oxygen reduction electrocatalysts
Supervisors: Prof. R M G Rajapakse and Prof. H M N Bandara
04. W M N M B Wanninayake Use of quasi-solid-state electrolytes in dye-sensitized solar cells based on TiO₂ and SnO₂ semiconductor materials
Supervisors: Prof. K Premaratne and Prof. R M G Rajapakse

Ph.D. – Earth Sciences

01. T H N G Amaraweera Development of Sri Lankan vein graphite and modification of Li(Ni_{1/3}Mn_{1/3}Co_{1/3})O₂ as electrode materials for lithium-ion rechargeable batteries
Supervisors: Dr. H W M A C Wijayasinghe, Dr. A M A N B Attanayake and Prof. M A K L Dissanayake

Ph.D. – Mathematics

01. T Mathanaranjan Investigation on Hermitian and non-Hermitian isospectral counterparts
Supervisors: Prof. A Nanayakkara and Dr. S P C Perera

Ph.D. – Physics

01. H N M Sarangika Development of electrochemical devices based on TiO₂ and novel quasi solid (gel) polymer electrolytes
Supervisors: Prof. M K A L Dissanayake and Dr. G R K Senadheera

Ph.D. – Plant Sciences

01. T Thileepan Evaluation of antimicrobial activity of Parankipaddai Kudineer (Decoction) used in skin diseases
Supervisors: Prof. V Thevanesam and Dr. S Shelvandran

Ph.D. – Statistics and Computer Science

01. S N Gunasekara Development of a computer based analysis and learning support system for North Indian classical music
Supervisors: Dr. J V Wijayakulasooriya and Dr. S P C Perera
02. S Arumairajan A ridge type estimation and preliminary test estimation in linear regression model
Supervisors: Prof. P Wijekoon

Ph.D. – Zoological Sciences

01. K B Ranawana Distribution and ecology of land snails in the Knuckles Conservation Forest, Sri Lanka
Supervisors: Prof. Fred Naggs and Prof. Y N A Jayatunga

M.Phil. – Chemical Sciences

01. M U S Wickramasooriya Kinetics and equilibrium aspects of interaction of heavy metal ions and peat in modified forms
Supervisors: Prof. H M D Namal Priyantha and Dr. Linda B L Lim
02. M A R N Wijesinghe Aloe Vera incorporated beverages: development, chemical characterization and clinical evaluation on newly diagnosed Type 2 diabetes mellitus
Supervisor: Prof. A N Nawaratne, Prof. D C K Ileperuma and Dr. K A Nasar
03. K G E Padmathilake Chemistry and bioactivity of the secondary metabolites isolated from the seeds of *Pouteria Campechiana* and associated Endophytic Fungi
Supervisor: Prof. U L B Jayasinghe and Prof. N S Kumar
04. A A G D Amarasooriya Formation mechanisms of trihalomethane by chlorination in Sri Lankan drinking water
Supervisors: Dr. Min Mowjood, Dr. S K Weeragoda and Prof. R Weerasooriya
05. C L Kehelpannala Naphthoquinones produced by the fungus *Monacrosporium ambrosium* from tea (*Camellia sinensis*) in culture media; biological activity, effect on caffeine and fungal growth in the presence of trace Metal Ions
Supervisors: Prof. N S Kumar and Prof. U L B Jayasinghe
06. D Thanabalasingam Chemistry and bioactivity of the secondary metabolites produced by the endophytic fungi isolated from *Coccinia grandis* and *Artocarpus altilis*
Supervisors: Prof. N S Kumar and Prof. U L B Jayasinghe
07. W M A W R K Weerasekara Crystal engineered fulgides with enhanced properties suitable for memories and switches
Supervisors: Dr. C V Hettiarachchi and Prof. R M G Rajapakse
08. H K D S Y Ratnayake A novel radiation-induced grafting methodology to synthesize stable zero valent iron nanoparticles at ambient atmospheric conditions and its application in the reduction of Nitrate
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09. A M C Senavirathne
Supervisors: Prof. Rohan Weerasooriya and Dr. R Wijewardhana
A study of the performance of cobalt phenanthroline based liquid and gel electrolytes in dye-sensitized solar cells
Supervisors: Prof. H M N Bandara, Prof. R M G Rajapakse, Prof. O A Illeperuma and Dr. V A Seneviratne

M.Phil. – Earth Sciences

01. R M K M Rathnayake
Exploring late quaternary monsoon variability using marine and terrestrial sedimentary archives of Sri Lanka
Supervisors: Dr. P N Ranasinghe and Dr. T Hewawasam

M.Phil. – Environmental Science

- 01 S M P R Kumarathilaka Mobilization of metals and organics and its neutralization in serpentine soils under influence of perchlorate and chlorate
Supervisors: Dr. M Vithanage and Prof. S Indraratne
02. S S Mayakaduwege Possible use of biochar derived from rice husk and tea water for remediation of carbofuran in environment
Supervisors: Dr. M Vithanage and Ms. A Karunaratne

M.Phil. – Plant Sciences

- 01 K H Wijayabandara Effect of several pre - and postharvest treatments on the performance of *Ophiopogon japonicus* ornamental foliage plant
Supervisors: Dr. J W Damunupola, Dr. S A Krishnarajah, Dr. W A M Daundasekara and Dr. D S A Wijesundara
02. K A C N Seneviratne Development of propagation techniques and biocontrol measures for major diseases of *Zamioculcas zamiifolia* (ZZ plant)
Supervisors: Dr. M Daundasekara, Prof. S A Kulasoorya and Dr. D S A Wijesundara

M.Phil. – Statistics and Computer Science

01. M A P Chamikara Crime data analysis framework with geographical information support for intelligence Led policing
Supervisor: Dr. Y P R D Yapa, Prof. S R Kodithuwakku, Dr. R Nawaratne and Dr. Jagath Gunathilake
- 02 H R K Nagahamulla Short term rainfall forecasting using artificial intelligence techniques
Supervisor: Dr. D A A C Ratnaweera and Dr. U R Rathnayake
03. N D Liyanagedara Artificial intelligence system for machinery fault detection
Supervisor: Dr. A C Rathnaweera and Dr. D I B Randeniya
04. K A D G Kuruppu Performance evaluation in sports using trajectory analysis
Supervisor: Dr. U A J Pinidiyaarachchi and Prof. S R Kodithuwakku
05. R R Nanayakkara Computer aided mammographic mass detection
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Supervisor: Prof. P Wijekoon and Dr. Y P R D Yapa

***M.Phil.* – Zoological Sciences**

01. G C P Diyes Life history, population dynamics, infectious agents and control of spinose ear tick
Otobius Megnini associated with horse otoacariasis
Supervisors: Prof. R S Rajakaruna
02. B J G Jayawardhana Molecular Phylogenetics and Phylogeography of two Bufonid lineages (anura:
bufonidae: adenominae) of Sri Lanka
Supervisors: Dr. M Meegaskumbura, Dr. S Rajapaksha and Dr. S Meegaskumbura

M.Sc. DEGREES AWARDED in 2016

Awardees

Titles of Research Project Reports

M.Sc. – Analytical Chemistry

01. I N Wickramathilaka Corrosion prevention of galvanized steel using eugenol extract in HCl
02. W I K Warnakula Enhancement of Cu(II) and Cr(II) removal by humic acid extracted from Muthurajawala peat
03. P V G M Rathnayake A comparative study on the binding of cell penetrating peptides to siRNA using molecular docking
04. M E J Seneviratne Development and validation of a rapid and simple gas chromatographic method for the determination of additional volatile compounds in liquor
05. K P W B S B Karunathilaka Bioactivity studies of some plants used in traditional medicine for treatments of Asthma in Sri Lanka
06. B W S N K Batagalla Removal of fuchsine from aqueous solution by seed pod powder of giant sensitive tree (*Mimosa pigra*)
07. N S P Ariyasena Identification of the optimum pasteurization conditions for goat milk
08. C C Warapitiya Study of physicochemical parameters of Atorvastatin tablets in Sri Lankan market
09. L W V Priyadarshana Heavy metal contamination in road dust from Colombo-Katunayake Expressway, E03
10. A G S Dayarathna Determination of selenium content in conventional leafy green vegetables consumed by Sri Lankans
11. Y A Priyadarshana Chemistry and bioactivity of *Acrotrema uniflorum* root
12. I S W Gallindawatte Computational study on steric effects of furylfulgide photoisomerisation
13. H G A Somasiri Clay polymer nanocomposites investigation of electrolyte properties of intercalated montmorillonite and poly (Ethylene Oxide) nanocomposite
14. D C Karunathilaka Dynamics of adsorption of copper(II) and cadmium(II) by coffee husks from aqueous solutions

M.Sc. – Applied Epidemiology

01. B C G Mendis Coprologic survey in Monkey Troops (*Macaca sinica*) in three selected sites in Kandy
02. S R Vidanagamage Epidemiological study on subclinical mastitis in smallholder dairy farms in Thalawakele Government Veterinary range
03. T G N S Gunarathne Use of well woman clinic and assessment of its associated factors among Female non-academic employees of University of Peradeniya

M.Sc. – Applied Statistics

01. K M W G T Meerigama Comparative analysis of dimension reduction techniques for K-Means clustering in High-Dimensional data
02. A G S K Warnakulasooriya Statistical analysis of road accidents in Kandy, Sri Lanka
03. M K H Karunaratne Investigation of interdependence between rainfall and wind speed in Colombo, Sri Lanka using Copula Method
04. A L A P M Athapaththu Investigation on generalized lambda distribution and a model to predict wind

- speed in Pullalam District
05. H M A K Jayathilaka Analysis of drought using trivariate copulas in Hambantota District
06. N W K S K Nanayakkara Drought duration and severity analysis using the Copula Method in Puttalam, Sri Lanka

M.Sc. – Biodiversity, Ecotourism and Environment Management

01. A W M Azam Transnational trading of biological materials and products from Sri Lanka

M.Sc. – Computer Science

01. H M S K B Herath Investigating an enhanced implementation of Aho-Corasick and Commentz-water string matching algorithms
02. S Garigaraganapathy Location based reminder system for Android Devices
03. S Kirushanth Unexpected human activity detection using Android Smart Phones
04. M S Samarakoon Design and development of an information system for the Postgraduate Institute of Science, University of Peradeniya
05. D R Y M Deegalla Course work M.Sc. degree
06. S Kesavamoorthy Course work M.Sc. degree
07. J K G S Jayasinghe Course work M.Sc. degree
08. K Vijayasundaram Course work M.Sc. degree
09. T D P Dharmawardhana Guide 4 U mobile navigation app for guide a person inside garden
10. G Sashikumaran Developing an application to encourage local social networking game in Android Phones
11. R K P Kumara Web based Medical Rep management system for Biomed International (Pvt.) Ltd
12. A S Amarasinghe A novel method to enhance mammograms for abnormal detection
13. H P S U Jayathilaka Development of web based system for School Dental Therapists
14. H M A B Herath Information system based on Onboard Diagnostic – II communication protocol
15. M W K D V P Opatha Development of a chaos based image encryption and decryption algorithm for RGB images
16. S L Z Ahamed Development of a web based personnel governance system
17. A S P Arachchi Teacher mapping system for development, replacement and recruitment
18. S S Herath Course work M.Sc. degree
19. D M Ekanayake Development of web-based information management system for Zonal Education Office-Kandy
20. R W J C Rajasinghe Development of a web based animal information management system
21. B K P K Perera Short-term univariate forecasting of Electricity load demand
22. W G A Wimalasena Development of trip schedules creator for Sri Lanka
23. K W M S B Kamathewatta Linking border theory and job performance: Investigating the effects of border crossing on the performance of IT professionals
24. K Vignaraja Analyzing the electricity break down and developing breakdown maintenance system to improve an efficient electricity distribution
25. J A M N D De Silva Course work M.Sc. degree
26. A K N L Aththanagoda Speaker identification based user authentication system

27.	P G G M K Herath	Web based student management system for Victory College
28.	T M K S Tennakoon	Development of a spell checker for Sinhala language
29.	D Gajen	Course work M.Sc. degree
30.	M S W Fernando	Course work M.Sc. degree
31.	K A S Gunasekara	Course work M.Sc. degree
32.	J J Hariyaram	Course work M.Sc. degree
33.	H M S A Hewanayake	Course work M.Sc. degree
34.	S T Jarashanath	Course work M.Sc. degree
35.	K P Mahawattege	Course work M.Sc. degree
36.	S R S N B M P C Puswella	Course work M.Sc. degree
37.	G Sivayogalingam	Course work M.Sc. degree
38.	N Thinesh	Course work M.Sc. degree
39.	S L M Warnasooriya	Course work M.Sc. degree
40.	W M M K Weerasekara	Course work M.Sc. degree
41.	N W A M U A D T Weerasinghe	Course work M.Sc. degree
42.	Y M R D Wepathana	Course work M.Sc. degree
43.	J H T G Jayathilaka	RPI-PHP: a web based application programming interface (API) for Raspberry PI

M.Sc. – Disaster Management

01.	D I S Jayasinghe	A Sociological study of Army deserters (Causes and consequences) Sri Lanka
02.	C A Walawwatte	Statistical analysis of rainfall and temperature in Kandy area to study the effects on Disasters
03.	C T R Siriwardana	Qualitative analysis of common health conditions in agricultural animals in Biyagama Government Veterinary range
04.	J M M C K Jayasundara	Analysis of agrochemical usage in up-country vegetable farming
05.	K Parthipan	Mitigation of flood risk in the Mannar Urban Council area

M.Sc. – Engineering Geology & Hydrogeology

01.	D M P K Gunasekara	Geological problems and solutions for Wilakandiya Tank under construction Mahiyanganaya-Sri Lanka
02.	P D Prasad	Assessment of groundwater potential in Nikatiyadda Oya watershed and improvement of water supply scheme-Kadhanhena
03.	S M U S B Samarathunge	Groundwater quality assessment in North Central part of Sri Lanka
04.	M D Janaka	Difficulties in tunneling through weak geological zones - case study at MPANGA hydropower project, Uganda
05.	I R Wickramathilake	Engineering geological evaluation and rock mass characterization of Kaluganga main dam site

M.Sc. – Environmental Science

01. W P S Wijethilaka Mitigation of human monkey conflict and protect the agriculture production in Maligatenna area
02. S S R Pathmakumara Economic evaluation of cleaner production options at Ranweli Holiday Village, Sri Lanka
03. S Dharshini Study of the variation of water quality and plankton abundance in Batticaloa Lagoon
04. M D Chathurangani Control further spread of *Mayaca fluviatilis* Abubl.: An ornamental aquatic with invasive potential in Sri Lanka
05. M G P Bandara Municipal landfill leachate treatment using hybrid constructed wetlands
06. H M G R Senevirathna Farmers' adaption to the impact of extreme weather events: perception, barriers and determinants in selected Divisional Sectors in Polonnaruwa District
07. B B Kangaraarachchi Carbon stocks and carbon fractions in paddy fields of Polonnaruwa District of Sri Lanka
08. S H Ranasinghe Removal of Pb²⁺ and Ni²⁺ using fired brick clay
09. G Y A N Sarathchandra Study of the goitre distribution of Nuwara-Eliya District by means of level of Iodine and Selenium content in drinking water sources
10. K G S De Silva Survey on Health care waste management in Government Hospitals of Kurunegala District and proposal for improving the disposal mechanism
11. S P S Bandara Assessment of groundwater quality in Gampaha District with special reference to Rathupaswala area

M.Sc. – Experimental Biotechnology

01. J D Thilagam Assessment of the Morpho-Genetic diversity and the antimicrobial activity of *Solanum* spp. found in Uva Province, Sri Lanka
02. T C M F Karunarathna Occurrence of serine protease inhibitory activity in the bark extract of *Entada pursaetha*
03. K Sekar Development of cleaved amplified polymorphic DNA (Cap) assay to distinguish the subpictus of *Anopheles subpictus* in Sri Lanka
04. P Harrchun Isolation and characterization of phosphate solubilizing bacteria from a phosphate deposit in Eppawala, Sri Lanka for biofertilizer production

M.Sc. – Gemmology & Industrial minerals

01. G D Ranatunga Qualitative methods for the identification of synthetic and natural corundum: a study using XRD analysis
02. U K A S Yapa Mineralogical, geochemical and depositional characteristics of residual, eluvial and alluvial gem deposits in Kolonna, Sri Lanka

M.Sc. – GIS & Remote Sensing

01. N A Ekanayake Estimation of paddy cultivated area by using remote sensing for yield forecasting: case study from Pallepola Divisional Secretariat Division
02. K K E A A C S Ihalawela Online Irrigation performance assessment tool a case study in Hakra 4R irrigation

- canal Pakistan
03. N S W S P Nanayakkara Determination of the quasi geoid of Sri Lanka based on EGM2008
 04. M G N R Karunasena Numerical simulation and GIS based analysis for debris flow modeling a case study from Badulla District, Sri Lanka
 05. A H K K Pathmadewa Feature enhancement from remote sensing images with modified filtering techniques using interactive data language programming environment
 06. P L Pradeep Development an emergency service management system for ambulances and fire-fighting vehicles
 07. D S K Algama An application for quality management of digital geospatial data in survey Department of Sri Lanka
 08. G H M Perera Generalization of 1:10000 building, landuse and contour data for the production of 1:50000 data
 09. E H Liyanaathukorala A GIS – assisted early assessment of the implementation constraints for utility corridor
 10. T M D S Gunasekara Geographical information system to mobilize banking products
 11. W A L Wickramanayake Water management analysis for different cultivation based Udawalawe Reservoir Sri lanka
 12. C N Thilakarathne Investigation of factors responsible for the kidney disease in Medawachchiya Divisional Secretariat in Anuradhapura District, Sri Lanka
 13. P G K D Palandagama GIS intelligent solution for mineral resources estimation of narrow vein type ore body at Bogala underground Graphite Mine, Aruggammana, Sri Lanka
 14. H L R Perera A web based geographical information system to empower high level data users of the Department of Census and Statistics, Sri Lanka
 15. D D U Anjana GIS based spatial analysis on socio-environmental factors affecting school
 16. W M M P K Bandara Applications of spatial and statistical methods for prediction of gem potential areas A case study from Monaragala District, Sri Lanka
 17. A A A Chinthaka Participatory and mobile GIS based community hazard warning system
 18. K Thulsivarman Study of suitable methods of building extraction from high-resolution satellite Imageries- A case study of Jaffna, Sri Lanka
 19. S Deepakrishna Automatic feature extraction from satellite images using Artificial Neural Network
 20. T Jayasinghe Spatial distribution of Government Schools in Colombo District
 21. K M S U K Chandrathilaka Ecotourism using GIS and suitable evaluation (case study of Matale District)
 22. G A M D Gunarathna Spatial and temporal analysis of malaria incidence in Anuradhapura District
 23. N Masoumi Spatial identification of dengue fever outbreak in Kandy Municipal area by GIS Technology

M.Sc. – Industrial Chemistry

01. N V M Gunawardhana Assessment of selective heavy metal contents in soil and rice grains of selective fields in the dry and intermediate Zones of Sri Lanka

M.Sc. – Industrial Mathematics

01. A S M P M B Agalawatte Rainfall and temperature prediction using Markov Chains: A study for Sri Lanka

M.Sc. – Medical Microbiology

01. H D Koswatta Screening for selective immunoglobulin - A deficiency among blood donors in Sri Lanka
02. P K S Tissera Mechanisms of resist and clonality among gram negative bacteria isolated from respiratory secretions of patients admitted to an intensive care unit
03. S D Nanayakkara Maternal colonization with potential pathogens of neonatal sepsis; enterobacteriaceae and group B *Streptococcus*
04. M M F Fara cellular and virological changes with reference to cytopathic effect and virus load in dengue virus co-infections and super-infections *in vitro*
05. S Theneshkar Protection following vaccination with a particular brand Hepatitis B vaccine in a cohort of medical students
06. E A S P Edirisinghe Isolation and identification of Salmonella and *Staphylococcus aureus* in chicken sausages in Sri Lanka

M.Sc. – Medical Physics

01. K A P Sanjeewa The average eye lens dose received by the international cardiologists working at Cardiology Department at National Hospitals in Sri Lanka
02. Y P Y P Ariyasinghe Verification of tangential breast treatment dose calculations in a commercial 2D treatment planning system
03. T R C K Wijayarathna A basic assessment for quality assurance of computed radiography (CR) using general X-Ray system
04. R A Weerasinghe Evaluation and comparison of surface dose of the thyroid gland in Dental Radiography and Cone Beam Computed Tomography

M.Sc. – Nanoscience & Nanotechnology

01. K K H De Silva Crystallinity and porosity of hydrothermally synthesizes hydroxyapatite nanoparticles in a mixed solvent system
02. G P N J Punchihewa Synthesis and characterization of thin films of cobalt on polyaniline films
03. W M S S Wanigasekara Sri Lankan natural graphite as a low cost counter electrode for dye-sensitized solar cells
04. H A Y N Perera Effect of stabilizing mechanisms on the stability and the dispersity of gold nanoparticles
05. A M S L B Attanayake anti-corrosive properties of alkyd resin/polyniline/calcium carbonate nanoparticles at various pH values on mild steel surfaces
06. L Y Rangali Performance of metal-free organic dyes with complementary absorption in zinc oxide dye-sensitized solar cells
07. H Y Aly The purification and partial characterization of foam nest protein of *Polypedates cruciger*
08. G L A V Liyanage Partial purification and characterization of serine protease inhibitors from *Pterocarpus marsupium*
09. B P U M Deshapriya Enhanced performance of ZnO based dye-sensitized solar cells with a ZnO dense layer
10. K Robinson Fabrication of multi-layer graphene based counter electrodes for dye-sensitized solar cells

11. A L Bandara Sri Lankan vein graphite as a catalytic counter electrode materials for SnO₂/ZnO based dye-sensitized solar cells

M.Sc. – Physics of Materials

01. P V H L Kulathunga Use of agricultural waste as sound absorbing materials and their dependence on density
02. S P T K Pathirana Magnesium titanate as an anode materials for lithium ion batteries
03. D M C U Dissanayake Characterization of sol-gel spin coated nanocrystalline cadmium sulphide thin films
04. J A M S Jayasinghe Photofabrication of silver nanoparticles using *Riccia* sp.
05. R D S M Gunatissa Efficiency enhancement of dye-sensitized solar cells incorporating Ag and Cu nanoparticles in the TiO₂ photoanodes

M.Sc. – Science Education

01. K Ramani Computer assisted self learning study package for G.C.E (Advanced Level) students to enhance the understanding of polymers and polymer management
02. G R M K K Ratnayake Use of concept maps to teach Grade 10 Biology lessons
03. N K D Wickramasinghe Application of concept mapping in teaching cell Biology to Grade 10 students
04. A Vigneshwary Introducing an activity booklet to enhance the knowledge on inorganic qualitative analysis in G.C.E. (A/L) Chemistry: A case study in Nuwara Eliya Educational Zone
05. D M M P Dissanayake Investigation of teaching approaches used in teaching Chemistry in Grade 11: A case study in Walapane Education Zone
06. J Uthayan Investigation of factors affecting for poor performance in Science subject in the G.C.E.(O/L) in the Island Zone of Jaffna District in Sri Lanka
07. T N P Jayarathna Perceptions of intellectuals and students on traditional medicine: towards amalgamation of traditional medicine to science curriculum
08. M A P Makawita Preparation of a study package on tissue culture for G.C.E. (A/L) Biology curriculum (Unit 10)
09. N P Rajapaksha Identification of factor affecting interest on science of Grade Eleven students in Matale Educational Zone
10. W M C K Basnayake Relation between academic performance of students at University Level and G.C.E.(Advanced Level): A case study at the Faculty of Science, University of Peradeniya, Sri Lanka
11. N Prashanthan Use of activity based instructional method to enhance performance on algebraic Inequalities: A case study of Ninth Graders in Jaffna Educational Zone
12. R Dhinesh Effects of activity based learning on conceptual understanding of fractions; a study based from Seventh Graders in Jaffna Educational Zone
13. A H Riyaza Use of supplementary material to enhance learning electronic energy levels of Atoms: A case study with Grade 12 students in Matale Educational Zone
14. P E Ilukkumbura Factors affecting students' selection of G.C.E Advanced Level Science subjects: a case study of Sinhala Medium students in Nuwara Eliya Educational Zone
15. K R W M V K Uduwela Identifying the factors related to the achievement in Chemistry at G.C.E. Advanced Level Examination in Kegalle District
16. J C K Ekanayake Models as effective teaching aids to teach sensory system of human
17. S N Thilakarathne Use of different teaching strategies to stabilize learning of the Unit 3 (Dynamic

- nature of the Environment in Grade 8 students)
18. B R N Dissanayake Assessment of the effectiveness of using concept maps to teach the lesson on diversity of plants
 19. D P J S Pathirana Effects of games and stories on Grades Six and Seven students' achievement and interest on learning Mathematics
 20. N T Samarappuli Investigation of the relations of students' self-concepts on Mechanics, Electricity and Waves with their achievement
 21. H J N Hettiarachchi Investigation of the relationship between students' self-concepts in Physics (Forces, Pressure and Energy –Work & Power) and their achievements
 22. A M N Athapattu The effectiveness of the constructivist approach with the concept mapping for Advanced Level Physics learning