**Technical Sessions Schedule**

**Track I: Genetics and Biotechnology**

**Oral Presentations**

**Venue: A1**

**Session I:**

1. **January 28**

**11.00 – 13.00**

1. **Optimization of a Polymerase Chain Reaction Based Technique to Detect Genetically Modified Food**

T.G.V.N. Thalwatta, W.W.P. Rodrigo, H.H.K. Achala, W.T.G.S. L. Withana, A.M.M.H. Athapaththu, P.B.A.I.K. Bulumulla

**2. Optimization of a Ribonucleic Acid (RNA) Extraction Protocol for Viruses in Clinical Samples for Disease Diagnosis**

S.A. Kumar , P.A.D.H.N. Gunathilaka, W.W.P. Rodrigo, A.M.M.H. Athapaththu

**3. Development of Micropropagation Protocols for two Different *Cryptocoryne* Species in Sri Lanka (*Cryptocoryne parva* and *Cryptocoryne xwillisii*)**

D.T .K. Boyagoda, S.C. Jayamanne, H.M.I. Herath

**4. Legal Regulation of Biotechnology: Problems and Opportunities for Reform**

K.K. Madugalla

**5 Characterization of Conserved Germplasm of Pungent Chilli Landraces (*Capsicum chinense* Jacq)**

K.A.M.Y .C. Jayathissa, L.M.H.R Alwis, K.N. Kannangara

**6. Development of In-vitro and Conventional Propagation Protocols for Two Different Endemic Species of *Aponogeton* (*Aponogeton rigidifolius* and *Aponogeton jacobsenii*)**

W .N.V. Weerasekara, B.V.A.S.M. Bambaranda, S.C. Jayamanne , S.A. Krishnarajah

**Session II:**

**2016 January 28**

**14.00 – 16.00**

**1. DNA Fingerprinting of *Thunnus obesus* and *Thunnus albacares* Fish Species for Proper Identification in Large Scale Fish Processing Industry**

D.R.C. Perera , P.A.D.H.N. Gunathilaka, W.W.P. Rodrigo, A.M.M.H. Athapaththu, P.B.A.I.K. Bulumulla

**2. Detection and Confirmation of Phytoplasma Disease in Different Crop Species by Using Molecular Technology**

A.A.I.M. Amarasinghe, L.M.H.R. Alwis, P.D.P.M.D. Silva, B.M.V .S. Basnayake, T.M.N.D. Tennakoon, K.D. Nandasena

**3. Induction of Embryogenic Callus in Grapes (*Vitis vinifera*)**

U.L.D.M.S. Gunasinghe , P.E. Kaliyadasa, H.A.S.L. Jayasinghe, S.M. Nagahawatta

**4. Morphological Characterization of Capsicum Species Conserved In Plant Genetic Resources Centre**

A. Wijewickrama, L.M.H.R. Alwis, S. Wasala

**5. Screening of Tea Germplasm on Suitability for Green Tea Manufacturing**

A.H.M.G. I. Abesinghe, L.M.H.R. Alwis, K.P.M. Kahandage, M.A.B. Ranatunga

**Poster Presentations**

**Venue: E1**

**2016 January 28, 11.00 onward**

**1. Expression of a Rabies Virus Specific Antigen by Cloning the Glycoprotein Gene into *Escherichia coli* Expression System**

H.S. Sewwandi, W.W.P. Rodrigo, A.M.M.H. Athapaththu, P.A.D.H.N. Gunathilaka, K.G.W.W. Bandara, R.R.M.K.K. Wijesundara, P.B.A.I.K. Bulumulla

**2. Development of a Protocol to Extract Quality DNA from Maha Aratta (*Alpinia galangal* (L.) Sw.) and Related Species**

R.A.S.N. Ranasinghe, L.M.H.R. Alwis

**3. Determination of a Suitable Hardening Medium for Micropropagated *Anubias nana***

A.M.S.M. Kumari, S.C. Jayamanne, W.P.R. Chandrarathna

**Track II: Food Science and Technology**

**Oral Presentations**

**Venue: A2**

**Session I:**

**2016 January 28**

**11.00 – 13.00**

**1. A Feasibility Plan for Implementing Food Safety System Certification (FSSC) 22000 Standard, By Gap Analyzing of Existing Hazard Analysis and Critical Control Point (HACCP) System and FSSC 22000 Standard**

W.A.S.M. Wirasagoda, D.K.D.D. Jayasena, E.D.N.S. Abeyrathne

**2 Development of a Fish Paste Incorporated with Mature Flower Buds of *Rhizophora apiculate* as a Nutritional Supplement**

T.H.S.Tharaka, E.D.N.S. Abeyrathne

**3. Comparison of Meat Quality Traits of Scalded and Non-scalded Broiler Chicken Meat**

S.T.T. Iromi, D.K.D.D. Jayasena

**4. Formulation, Preparation and Preservation of Palmyrah Fruit (*Borassus Flabellifer* L.) Jelly**

M. Jeyarajasingam, W.A.J.P. Wijesinghe, S.M.I.P.G. Bandara, A.M. Nilushiny,

S. Sirivijendren

**5. Estimation of Quality of Black Tea Grades by Different Brewing Methods and Their Chemical Composition**

S. Shivanth, A.G.A.W. Allakolanga, P.D.P.M.D. Silva, A. A. Cooke

**6. Effect of Gammalu (*Pterocarpus marsupium*) Latex Coating on Internal and Sensory Qualities of Chicken Eggs Stored at Room Temperature**

E.D.M.T. Edirisinghe, S.M.C. Himali, E.D.N.S. Abeyrathne

**7. Effect of Enrobing on Quality Traits of Chicken Nuggets Produced Using Steam Cooking and Without Steam Cooking**

W.M.S. Samudini, D.K.D.D Jayasena, T.S.R. Fernando, W.M.N.M. Wijesundera, D.L.K. Athula, P.F.S. Pemasiri

**Session II:**

**2016 January 28**

**14.00 – 16.00**

**1. Development of Ready to Serve Beverage by Using Ginger (*Zingiber officinale*) with Lime (*Citrus aurantifolia*)**

R.M.M.K. Wijerathna, W.A.J.P. Wijesinghe, C.R. Gunawardhana

**2. Development of a Fruit Leather by Using Underutilized Bael (*Aegle marmelos* L.) Fruit**

T.A.D.D.L. Thanaweera, W.A.J.P. Wijesinghe

**3. Preparation of Set Yoghurt using Plant Originated Stabilizer as a Substitute for Gelatine**

N. Thillainathan, M.G.C.S. Madakumbura, A.M.N.L. Abesinghe

**4. Comparison of Quality Characteristics of Leg Meat Between Sri Lankan Indigenous Chickens and Commercial Broilers at Retail**

R.B.G.S.K. Rajapaksha, O.D. Senarathne, G.L.L.P. Silva, D.K.D.D. Jayasena

**5. Effect of Frying in Different Cooking Oils on the Fatty Acid Profile and Sensory Characteristics of Tilapia (*Oreochromis niloticus*) Fillets**

N.F.K.R. Fernando, G.G.N. Thushari, D.K.D.D. Jayasena

**6. Study on Milk Composition and Adulterants in Kandy District**

A.L.Y.H. Aruppala, U.L.P. Mangalika, A.M.N.L. Abesinghe, M.K. Ranasinghe, R.R.M.K.K. Wijesundara

**7. Quality Attributes of Selected Ginger (*Zingiber officinale*) Varieties and their Potential to Formulatea Ready-To-Serve (RTS) Functional Beverage with Lime (*Citrus aurantifolia*)**

G. Hariharan, T. Mahendran

**Session III:**

**2016 January 29**

**08.30 – 11.00**

**1. Prevalence of Pale, Soft, and Exudative (PSE) Condition in Chicken Meat in a Commercial Meat Processing Plant and Its Effect on Roasted Chicken Breast**

K.A.D.S. Karunanayaka, J.M.P. Jayasinghe, B. Liyanarachchi, D.K.D.D. Jayasena

**2. A Comparative Study of Phytochemical, Proximate and Mineral Compositions of Different Selections of Dried Goraka (*Garcinia quaesita*) Fruit Rinds in Sri Lanka**

K.K.I. Jayasundara, W.A.J.P. Wijesinghe, T. Liyanage

**3. Development of a Wine from Water Melon (*Citrullus lanatus*): A Value Added Product from a Tropical Fruit Crop in Sri Lanka**

G.H. Jayawardana, A.P. Henagamage

**4. Determination of Residual Nitrite Levels in Chicken Sausage for Safe Consumption**

K. Sivarajah, N. Edirisinghe, H. Ariyasena, D.K.D.D. Jayasena

**5. Effect of Melting on Flavor Granules Used in Flavored Tea Bags**

A.B.K. Chandrasiri, S.M I.P.G. Bandara, P.D.P.M.D. Silva, K.D.K. Wanasinghe

**6. Developing a Spectroscopy Technique to Determine Nitrate in Milk, which can be used as Confirmatory Test for Water Adulteration**

P.N.K. Herath, U.L.P. Mangalika, R.R.M.K.K. Wijesundara

**7. Comparison of Quality Characteristics of Breast Meat between Sri Lankan Indigenous Chickens and Commercial Broilers at Retail**

O.D. Senarathne, R.B.G.S.K. Rajapaksha, G.L.L.P. Silva, D.K.D.D. Jayasena

**8. Introducing “Lean Manufacturing” to Improve the Performance of the Teabag Section**

B. M. D. Deepashika, W.A.J.P. Wijesinghe, K. P. M. Kahandage, S. Gamage

**Poster Presentations**

**Venue: E1**

**2016 January 28, 11.00 onward**

**1. Development of A Fish Burger Incorporating Sea Lettuce (*Ulva lactuca*) and Catla (*Catla catla*)**

R. N. C. Kumarathunge, E.D.N.S. Abeyrathne

**2. Development of a Ready to Eat Breakfast Cereal with Incorporating Ovalbumin from Chicken Egg White**

R.D.I.P. Randeniya, E.D.N.S. Abeyrathne

**3. Drying of Green Mango Pulp: Effects of Processing Methods on Product Quality and Shelf Life**

T. Mahendran, G. Hariharan, V. S. Krishnapillai

**4. Development of a Prawn Flavored Spicy Cracker with Prawn Waste and Drumstick Leaves**

A.M.L.K. Martyn, E.D.N.S. Abeyrathne

**5. Comparative Study of Proximate Composition of Palmyrah *Pinattu* and Flour (*Odiyal, Boiled odiyal*)**

S. Srikantharasa, S. Mahilrajan, W.A.J.P. Wijesinghe, S.M.I.P.G. Bandara,

S. S. Thayalan

**6. Developing a Filling Solution Using Different Filling Media and Spices for Canning Skipjack Tuna (*Katsuwonus pelamis*)**

G.L.W.Niroshani, K. Kahaduwa, E.D.N.S. Abeyrathne

**7. Value Addition to Off Grade Tea by Incorporating Tea Aroma**

V.P. Ellepola, K.G. Premathilake, P.D.P.M.P. De Silva, A. Chitty

**8. Assessment of Microbiological Quality in Set Yoghurt Production Line at a Commercial Dairy Processing Plant**

T.D.W. Ranasinghe, M.G.C.S. Madakumbura, E.D.N.S. Abeyrathne

**9. Determination of the Effect of Water Quality on the Sensory Properties of Tea Liquor**

R.N.D.S. Ruwanpura, A.G.A.W. Alakolanga, M. Wanniarachchi

**10. Study of Egg External Quality Traits in Five Korean Native Chicken Strains Reared Under Controlled Environment**

S.S. Wickramasuriya, H.I. Wijayananda, J.M. Heo

**11. Comparison of Quality Traits of Breast Meat from Spent Hen and Broiler Chicken**

J.A.P.P. Lakshani, D.K.D.D. Jayasena

**12. Evaluation of the Quality Traits of Pork from Cross Bred Local Pigs under Free Range and Semi Intensive Systems**

R.H.A.K.N. Ranasinghe, D.K.D.D. Jayasena

**Track III: Bio Process Technology**

**Oral Presentations**

**Venue: GIS Laboratory**

**Session I:**

**2016 January 28**

**11.00 – 13.00**

**1. Antifungal Activity of Endophytic Fungal Species Isolated from Apple (*Malus domestica*)**

M.A. Naseefa, A.G.A.W. Alakolanga

**2. Development of Polyphenol Incorporated Herbal Hair Shampoo by Using Tea Fluff**

D.M.N.H. Peduruarachchi, P.D.P.M.D. Silva, H.K.S.G. Gunadasa,

H.G.H. Samaranayake

**3. Development of Natural Mosquito Repellent Coil Using Tea Fluff as a Filler Material**

R.M.D.C.S. Ranasinghe, A.G.A.W. Alakolanga, A.N.R. Weerawansha,

H.G.H. Samaranayaka

**4. Development of a Simple and Economical Method for Chitin Extraction from Prawn (*Penaeus monodon*) Shell Waste**

M.N. Wehella, A.G.A.W. Alakolanga, E.D.N.S. Abeyrathne

**5. Development of a Simple and an Economical Method for Extraction of Edible Crude Fish Oil from *Catla catla***

D.R.C. Dahanayaka, A.G.A.W Alakolanga, E.D.N.S Abeyrathne

**Session II:**

**2016 January 28**

**14.00 – 16.00**

**1. Investigation on Suitability of Banana Fiber as a Filler Material in Natural Rubber Latex-Based Household Gloves**

T. Kirushanthi, D.G. Edirisinghe, C.K. Jayasuriya

**2. Optimization of Sulfur: Zinc Oxide: Accelerator Ratio for Natural Rubber Latex Unsupported Gloves**

N.C.Y. Kithmini, A.G.A.W. Alakolanga, P. Ariyananda

**3. Determination of Factors Affecting to the Tensile Strength of Tread Compound of Pneumatic Rubber Tyre Used in Industrial Application**

H.M.L.P. Herath, A.G.A.W. Alakolanga, P.K. Wickramaarchchi,

A.N.R. Weerawansha

**4. The Use of Buffing Dust in Enhancing the Mechanical Properties of Vulcanized Natural Rubber in Tyre Industry**

A. Niroshan, U. Jayalath, J.K. Premachandra

**5. Expansion of Storage Time of Tread Compound of Fork Lift Tyres without Sulphur Blooming**

D.M.A. Udeshika, A.G.A.W. Alakolanga, M.H.L. Wasantha, A.N.R. Weerawansha

**Poster Presentations**

**Venue: E1**

**Poster Session: 2016 January 28, 11.00 onward**

**1. Antimicrobial Effect of Seed Extraction of Cardamom (*Elettaria cardamomum*) on Mouth Odor Forming Bacteria**

E.M.D.D. Ekanayake, G. Panagoda, S.N. Premathilake

**2. Antimicrobial Activity and Toxicity Effect of *Adiantum Capillus-Veneris***

J.M.I.K. Abesingha, S.N. Premathilake

**Track IV: Sustainable Crop and Animal Production**

**Oral Presentations**

**Venue: MLT**

**Session I:**

**2016 January 28**

**11.00 – 13.00**

**1. Effects of Salinity on the Growth and Yield of Selected Rice (*Oryza sativa*) Cultivars at Different Growth Stages**

S. Puvanitha, S. Mahendran, N. Sujirtha

**2. Developing a Calibration Curve to Quantify Chlorophyll Content in Rubber (*Hevea brasiliensis*)**

L.K.I. Madushani, P.E. Kaliyadasa, U.G.A.T. Premathilake, K.V.V.S. Kudaligama

**3. Study on Effectiveness of Ascorbic Acid, DRC+3 and Sodium Nitroprusside (SNP) on Recovery of Tapping Panel Dryness (TPD) of Rubber Trees**

W.K.S.W. Watawala, A.M.W.K. Senevirathna, M.P.M. Arachchi, H.K.S.G. Gunadasa,

N.M.C. Nayanakantha, R.K. Samarasekara

**4. Effect of using Biofilmed Biofertilizer to Control the Tip Burning and Leaf Spot Diseases of *Dracaena sanderiana* and *Cordyline fruticosa***

U.M.C.S. Udagedara, P.E. Kaliyadasa, U.G.A.T. Premathilake, K.A.C.N. Seneviratne,

G. Seneviratne

**5. Screening a Bean Germplasm for Fusarium Wilt Disease, Caused by *Fusarium oxysporum* f. sp. *phaseoli***

G.Y.A.D.D. Perera, G. Chandrasena, P.D.P.M.D. Silva, K.P. Somachandra

**Session II:**

**2016 January 28**

**14.00 – 16.00**

**1. Evaluation of the Physiochemical Stability of Different Formulations of Diazinon 50 within Its Shelf-life**

H.A.S.P.Kularatne, K.G.Premathilake, A.N.R.Weerewansha, C. Magamage

**2. Effect of Initial Seed Moisture Content on Seed Growth Quality Parameters and Storability of Brinjal (*Solanum melongina* L.)**

S. Kayalvizhy, P.E. Kaliyadasa, U.G.A.T. Premathilake, M.G.D.L. Priyantha

**3. Assimilation of Phosphate Fertilizer derived from Eppawala Rock Phosphate on the Vegetative Growth of Corn (*Zea mays* L.)**

R.M.S.R. Rathnayake, K.B. Wijesekara

**4. Effect of Anti-transpirant in Sustaining Rubber Leaf Physiology Under Dry Climatic Condition**

P.S.V. Rupasinghe, N.S. Withanage, E. Munasinghe, V.H.L. Rodrigo, S.M.M. Iqbal, H.A.S.L. Jayasinghe

**5. Evaluating the Seed Germinability and Growth Performances of Nursery Plants of Alternative Shade Tree Species in Tea Plantations**

M. Suman, K.G. Prematilake

**Session III:**

**2016 January 29**

**09.00 – 11.00**

**1. Effect of Clone type on Storage Hardening and Gel Content of Raw Natural Rubber**

H.W.O.C. Delman, P.E. Kaliyadasa, M.P. Arachchi, A. Attanayake

**2. Assessing Adoption of Organic Pepper Cultivation in Kandy, Matale and Kegalle Districts**

Y.S.M.M.P.Yallarawa, L.M.H.R. Alwis, K. Wickramasinghe

**3. Effectiveness of Ethno-Veterinary Practice Use in Treatment of Swine Dermatitis**

G.M.A.G. Chandrarathne, R.R.M.K.K. Wjesundara, R.P.V.J Rajapakse

**4. A Study on Present Status of Cattle Farming in Badulla District**

S.V. Senadhirajah, A.M. Samaraweera, R.R.M.K.K. Wijesundara

**5. Antagonistic Effect of Five Native Trichoderma Isolates on Economically Important Foliar Pathogens of Rubber**

P.K.N.N. Sandamali, G. Chandrasena, T.H.P.S. Fernando, P.D.P.M.D Silva

**6. Effect of Exogenous Nitric Oxide on Growth and Physiological Parameters of Rubber Clone PB 260 Subjected to Drought**

R.M.C.G Rathnayake, P.E Kaliyadasa, H.A.S.L Jayasinhe, N.M.C Nayanakantha

**7. Factors Affecting on the Population Levels of Cigarette Beetle (*Lasioderma serricorne*)**

D.T.D. Wijesinghe, L.M.H.R. Alwis, A.N.R. Weerawansha, S. Amarasena

**Poster Presentations**

**Venue: E1**

**Poster Session: 2016 January 28, 11.00 onward**

**1. Effect of Salt Stress on the Germination of Vegetable Cowpea**

S.M.S. Himaya , K. Prapagar, S. Dasinaa

**2. Determination of Growth Performances and Meat Quality of the Broilers Fed with *Saccharomyces cerevisiae* as a Probiotic**

W.H.D.S.P. Macelline, D.K.D.D. Jayasena, R.M.H. Tharangani, Z. Song

**3. Determination of Optimal Grid Size for Mapping Soil Property Distribution for Paddy Cultivation**

V.P.A. Dilrukshi, R.M.C.W.M. Rathnayake, W.M.U.K. Rathnayake,

H.M.S.K. Herath

**4. Development of Soil Fertility Map for Paddy Cultivating Areas of Mahaweli System B in Polonnaruwa District**

R.P.G. Chathuranga, R.M.C.W.M. Rathnayake, W.M.U.K. Rathnayake,

H.M.S.K. Herath

**5. Effect of Mulching on Cabbage (*Brassica oleracea var green coronet*) Cultivation in Welimada Area**

J.M.C.K.K. Jayasundara, H.M.S.K. Hearath, R. Dabarera, H.K.S.G. Gunadasa

**6. A Comparison of Selected Biochemical Parameters in Between Susceptible and Tolerant Tea Cultivars for *Glyptotermes dilatatus* (Low Country Live Wood Termite)**

H.M.D.C. Abeyrathna, L.M.H.R. Alwis, A.N.R. Weerawansha, K.M. Mevan,

M.S.C. Fernando, P.D. Senanayake

**7. Interference of Tapping due to Rainfall and Effectiveness of Rain Guards Under Different Rainfall Scenarios: A Case Study in the Dartonfield Rubber Estate**

M.A.V.N. Padmathilake, N.S. Withanage, R.A.P.I.S. Dharmadasa, W. Wijesuriya,

W. Jeewanthi

**8. Evaluating the Impacts of Land Use / Land Cover Changes on Agro-biodiversity of Kandyan Home Gardens**

A.M.N.S.K. Abeysinghe, L.M.H.R. Alwis, R.M.C.W.M. Rathnayake,

H.K. Kadupitiya

**9. Effect of Tea Waste as a Urease Inhibitor in Soil**

K.G.N.D. Dassanayake, A.G.A.W. Alakolanga

**10. Evaluation of Varietal Variation in Initial Growth and Development of Sugarcane (*Saccharum officinarum*.L) Under Irrigation**

D.S.K. Rathnaweera, M.K.T.K Amarasinghe, G.A.H. Galahitigama,

H.M.G.N.S.C. Bandara

**Track: V: Aquaculture and Fisheries**

**Oral Presentations**

**Venue: E2**

**Session I:**

**2016 January 28**

**11.00 – 13.00**

**1. An Investigation on Total Catch, Catch Composition, Catch Quality Variation Based on Different Effort Levels in Multiday Boats in Kalutara District**

A.W.K. Fernando, N.D.P. Gunawardane, I.U. Wickramarathna, S.C. Jayamanne

**2. Effectiveness of Ultraviolet Filtration of Incoming Sea Water for Controlling *Vibrio* spp. in Shrimp Hatcheries in North Western Province**

I.P.D.H. Pathirana, R.M.G.N. Rajapakshe, S.C. Jayamanne, R.M.N.P.K. Ranathunga

**3. The Aspects on Reproductive Biology of Blue Swimming Crab *Portunus pelagicus*, (Linnaeus, 1758) in Mannar Area**

A.P. Abeygunawardana, S.C. Jayamanne

**4. An Investigation of the Economic Impact on Fishing Communities in Mannar District Caused by Illegal Fishing by Indian Trawlers in Sri Lankan Waters**

B.M.K. Sosai, I.U. Wickramaratne, S.C. Jayamanne

**5. Efficacy of Aloe vera Against Aeromonas hydrophila in Gold Fish (*Crassius auratus*)**

D.M.S.G. Dissanayaka, S.S.S de S Jagoda, R.R.M.K.K. Wijesundera

**Session II:**

**2016 January 28**

**14.00 – 16.00**

**1. Examine the Appropriate Ovulation Time to Determine Latency Period of Golden Tinfoil Barb (*Barbonymus schwanenfeldii*) Using OvaprimTM**

W.A.U. Isharini, E.D.M. Epasinghe, T.A.D.W. Karunaratne, A.M.A.N. Adikari, N.P.P. Liyanage

**2. Strategies to Reduce Larval Cannibalism of *Pangasius sutchi***

W.M.W.S. Thilakarathna, E.D.M. Epasinghe, T.A.D.W. Karunaratne,

A.M.A.N. Adikari, N.P.P. Liyanage

**3. Effect of Diets Incorporated with Dried and Autolyzed Shrimp Waste on Growth Performance of Goldfish (*Carassius auratus*)**

R.M.C.P. Rathnayake, N.P.P. Liyanage, J.A. Athula, K.P.G.K.P. Guruge,

W.A.R.K. Senaarachchi

**Poster Presentations**

**Venue: E1**

**Poster Session: 2016 January 28, 11.00 onward**

**1. Identification of Factors Affecting the Survival of Lobster Exports Industry in Sri Lanka with Special Reference to Spiny Lobster**

L.P.S. Chamodika, S.C. Jayamanne, T.G.A. Duminda

**Trak VI: Water Science and Technology**

**Oral Presentations**

**Venue: D1**

**Session I:**

**2016 January 28**

**11.00 – 13.00**

**1. Introducing a Cost Effective Treatment Process to Improve the Effluent Water Quality of Natural Rubber Processing Factories**

K.H.I. Gamage, N.P. Premachandra, H.M.T.S. Ritigala

**2. A Preliminary Study on Absorption of Heavy Metal (Lead) From Synthetic Waste Water Using Mullet (*Mugil* spp.) Fish Scales**

H.M.S.S. Herath, A.G.A.W. Alakolanga, E.D.N.S. Abeyrathne

**3. Development of a Systematic Risk Identification and Assessment Method in Water Safety Plan: A Case Study of Pelmadulla Water Supply Scheme, Sri Lanka**

L.H.T. Nadeeshani, A.A.G.D. Amarasooriya, S.K. Weragoda

**4. Study of Oil Contamination in Chunnakam Area due to the Wastage from Power Station**

W. Thulasitha, N.P. Premachandra

**5. Arsenic Removal from Water by Using Rice Husk Ash**

N.P. Edirisinghe, B.A.J.K. Premachandra , C.K. Jayasuriya

**6. Removal of Heavy Metal Ions from Drinking Water by Using Rice Straw Method**

A. Gowsiya, J.T. Cooray

**Poster Presentations**

**Venue: E1**

**Poster Session: 2016 January 28, 11.00 onward**

**1. Investigation of Trihalomethane Formation in Kandy South Water Treatment Plant and Distribution System with Other Water Quality Parameters**

T.C. Rathnasiri, A. A. G. D Amarasooriya, S. K. Weragoda

**2. Investigation of the Effectiveness of Upparu Saltwater Barrage in Jaffna Peninsula, Sri Lanka** (4th Stage)

K. Muraly, D.T. Jayawardhane, D.T. Udagedara

**3. Formation of Trihalomethane (THM) with Humic Acid and Correlated to Distribution System**

S. K. Weragoda, A. A.G. D. Amarasooriya, S. Suranjani

**4. Antioxidant Properties in Four Cyanobacteria sp., Isolated from Fresh Water Bodies of Sri Lanka**

M.F. Hossain, R.R. Ratnayake, K. Meerajini, S.N. Premetilake, K.L.W. Kumara

**Track VII: Environmental Science**

**Oral Presentations**

**Venue: D2**

**Session I:**

**2016 January 28**

**11.00 – 13.00**

**1. Preliminary Study of Bioluminescence Species in the Southern Bay of Bengal**

H.B.U.G.M. Wimalasiri. S.U.P. Jinadasa, D.C.T. Dissanayake, A. Weidemann,

H. Wijesekera

**2. Can Diversity Indices Reflect the Forest Degradation Status? A Case Study of Hurulu Dry Forest Sri Lanka**

W.W.M.A.B. Medawatte, M.C.M. Iqbal, S.M.W. Ranwala

**3. Impact of Pesticide Use Practices on Farmers’ Health: A Case Study in Wijayagama and Eheranda in Matale District**

K.G.A.P. Dulanjalee, K.G. Prematilake, A.N.R. Weerawansha, J.A. Sumith

**4. Spatial and Temporal Variation of Physico-chemical Parameters of Water in**

**Badulu-oya Upper Catchment Area**

R.M.G.N. Rajapaksha, U. Edirisinghe, J.M.C.K. Jayawardana, S.C. Jayamanne

**5. Possible Effects of Climate Change Driven Sea Level Rise on Small Islet Complex of Negombo Lagoon Sea Entrance with Respect to Mangrove Floral Community and Fisheries**

E.N.S. Silva, N.P.P. Liyanage, S.C. Jayamanne

**6. Effects of Cascade Min-hydropower Plants on Some Aspects of Eco-hydrology of**

**Wee Oya in Kelani River Basin**

R.A.S.N. Jayawardhana, N.P.P Liyanage, E.I.L Silva

**7. Usability of Fish Haematological Parameters as a Biological Indicator for Freshwater Quality in Badulla District**

J.M.N.M. Jayasundara, N.P.P. Liyanage, R.R.M.K.K. Wijesundera,

J.D.M. Senevirathne, D.P.N. De Silva

**Poster Presentations**

**Venue: E1**

**Poster Session: 2016 January 28, 11.00 onward**

**1. Study of the Diversity of Benthic Macro-Invertebrates at Panadura Estuary in**

**Sri Lanka**

M.S. Weerasooriyagedara, N.D. Hettige, A.A.D. Amarathunga, R.M.G.N. Rajapaksha, S.C. Jayamanne, K.A.W.S. Weerasekara, M.D.S.R. Maddumage, S.A.M. Azmy, W.D.N. Wickramaarachchi, J.K.P.C. Jayawardane, S.R.C.N.K. Narangoda

**Track VIII: Entrepreneurship and Management**

**Oral Presentations**

**Venue: C4**

**Session I:**

**2016 January 28**

**11.00 – 13.00**

**1. An Empirical Study of Work Life Balance with Special Reference to Educators in Colombo District**

P.A.B.H Amarathunga, S. Pathiratne

**2. The Impact of Social Media Marketing on Purchase Intention; With Special Reference to Facebook Use in Beauty Care Brands in Sri Lanka**

U.A.S. Yapa, P.I.N Fernando

**3. Service Differentiation Intention and Firm Performance; with Special Reference to Banking Industry in Sri Lanka**

H.B.D. Sandaruwani, P.I.N Fernando

**4. Impact of Online Banking Service Quality on Customer Satisfaction**

B.G.T. Madhushani, P.I.N Fernando

**5. The Effect of Work-Family Conflict on Organizational Commitment of Managerial Level Employees**

Y.G.A.S.Deshani, S.F. Fasana

**6. A Study on the Influential Factors towards Consumers’ Choice for a Self-Service Retail Store - with Special Reference to Colombo District**

T.C.R Peiris, P.I.N Fernando

**7. The Impact of Brand Image on Customer Loyalty with Reference to the Hotel Industry in Colombo District**

A.D.L. Abisheka, W.M.P.G.C. Weerakoon

**Session II:**

**2016 January 28**

**14.00 – 16.00**

**1. Impact of Employee Engagement on Turnover Intention**

S.G.S Rangika, S.F. Fasana

**2. A Study on Effect of Team Leader’s Personality Traits on Team Performance: With the Special Reference to Apparel Industry in Northern Province**

S.T Alan, S.F.Fasana

**3. An Investigation of the Barriers Faced by SME Exporters in Sri Lanka: with Special Reference to Manufacturing Sector**

J.M.D.S. Wijerathne, M.P.S.R. Perera, R.M.G.S. Jayarathna

**4. The Impact of the Practices of Human Resource Management on Job Satisfaction of Operational Level Workers in Apparel Sector in Sri Lanka**

K.G.C.C. Piyasena

**5. Leadership Behaviour and Its Impact on Employee Job Performance: the Mediating Role of Organizational Commitment**

B.C.H. Maduwanthi, R.P Mahaliyanaarchchi

**6. Impact of the Income Tax System on Tax Payers’ Satisfaction: With Special Reference to Kegalle District Income Tax Payers**

S.R.S.H.Ranasinghe, K.M.M.C.B. Kulathunga

**7. Relationship between Entrepreneurial Education and Strategic Orientation**

P.G.M.S.K. Gamage , W.M.P.G.C. Weerakoon

**Poster Presentations**

**Venue: E1**

**Poster Session: 2016 January 28, 11.00 onward**

**1. Continuous Professional Development Approach to Enhance the Competencies of Bank Branch Managers through Alternative Delivery Method**

K.S.D Fernando

**2. Impact of Work Life Conflict on Turnover Intention (Special Reference to Software Engineers in IT industry Sri Lanka)**

T.L.Waduge, S.F Fasana

**Track IX: Entrepreneurial Agriculture**

**Oral Presentations**

**Venue: Latex Laboratory**

**Session I:**

**2016 January 28**

**11.00 – 13.00**

**1. Determinants for Contribution of Pineapple Growers for Export Volume in Gampaha District**

R. A. D. S. Rupasinghe, H.A.S.L. Jayasinghe, R. M. P.S. Rathnayake, T.A.P. Silva

**2. Determinants of Tea Exporters’ Intention to Import Other Origin Orthodox Tea**

M.A.D.T. Dilina, K.P.M. Kahandage, H.M.S.K. Herath, S. Yasarathne

**3. Identification of Present Status and Constraints of the Flower Vendors in Two Selected Religious Areas**

N.U.M. Perera, P.E. Kaliyadasa, A.M.C. Amarakoon, J.K.M.D. Chandrasiri,

S.M.P.C. Padmini

**4. Conjoint Analysis to Evaluate the Consumer Preference on Flavoured Tea**

W. A. H. A. Gunarathna, K. G. Premathilaka, P. D. P. M. De Silva,

M. Wanniarachchi

**5. Factors Affecting on Direct Supply of Pineapples by the Pineapple Growers**

D.G.N.R. Karunarathna, M.C.W.M. Rathnayake1, R.M.P.S Rathnayake, T.A.P. Silva

**6. Determinants of Value Added Production in Cinnamon Industry**

W.S.P. Jayathilaka, L.M.H.R. Alwis , A.M.C.Amarakoon,T.D. Batuwantudawa,

G. Palakatiya

**Session II:**

**2016 January 28**

**14.00 – 16.00**

**1. Developing Marketing Information System for Fruit Marketing**

M. Aphinaya, R.M.C.W.M. Rathnayake, A.M.C. Amarakoon, S. Sivakumar

**2. Determinants of Adoption Decision of Newly Improved Tea Cultivars by Tea Small Holders in Uva Region**

W.S. Jayasinghe, L.M.H.R. Alwis

**3. Determinants of the Level of Value Added Product Exportation in Tea Industry of Sri Lanka**

D.A.O.C. De Silva, P.E. Kaliyadasa, A.M.C. Amarakoon and B. Balamurali

**4. Determinants of Ceylon Black Tea Market Penetration in Chinese Tea Market**

R. Kirusiya, K. G. Prematilake, A. M. C. Amarakoon, A. Chitty

**5. Market Analysis on Young Adult’s Purchasing Decision Regarding Tea Products**

S. M. Vidanapathirana, K. G. Premathilaka, K. P. M. Kahandage, Q. Dissanayake

**6. Awareness of and Adoption to the Recommended Management Practices of Big Onion Growers (Case Study in Dambulla D.S. Division)**

D.N. Nanayakkkara, P.E. Kaliyadasa, A.M.C. Amarakoon, S.M.P. C. Padmini, J.K.M.D. Chandrasiri

**7. Detrminants of Replanting Decision by Tea Smallholders in Badulla District**

G.D.T.G. Dayaratna , R.A.P.I.S. Dharmadasa

**Poster Presentations**

**Venue: E1**

**Poster Session: 2016 January 28, 11.00 onward**

**1. Tea Manufacturers’ Attitude towards Implementation and Maintaining Quality and System Certifications**

V. K. Wickramasinghe, K. P. M. Kahandage, S. Yasarathne, M.G.P.P. Mahindarathne, E. D. N. S. Abeyrathne

**2. Determination of Meat and Meat Products Consumption Pattern of A/L Students in Uva Province**

H.K.S.P. Kumarasinghe, D.K.D.D. Jayasena, K. K. Wijesundera, D.C. Mudannayake, N.M.N. Nambapana, J. Siyambalapitiya

**3. Factors Affecting on Adoption of Paddy Transplanter in Mahawali Areas**

A.M.S.B. Athapaththu, R.M.P.S. Rathnayake, H.K.S.G. Gunadasa, N.L. Sudeera

**Track X: Hospitality and Tourism Management**

**Oral Presentation**

**Venue: C2**

**Session I:**

**2016 January 28**

**11.00 – 13.00**

**1. Identifying Push and Pull Factors of Booming Chinese Tourist Arrivals to Sri Lanka: With Special Reference to the Dambulla and Nuwara —Eliya Area**

A.M.D.B. Nawarathna

**2. A Study on Impact of Promotional Mix on Brand Equity with Special Reference to Franchise Fast food Restaurants in Colombo District**

A.G. Haseena, S.F. Fasana

**3. Impact of Beach Boys’ on Tourism Industry with Special Reference to Hikkaduwa**

K.P.W.S. Kumara, D.A.K.A. Damunupola

**4. The Impact of Tourists’ Satisfaction on Revisit Intention of Ayurvedic Tourism in**

**Sri Lanka(With reference to Galle District)**

H.A.A. Dilhani, J.P.R.C. Ranasinghe

**5. Hospitality and Tourism Management Graduates’ Perceptions and Attitudes of a Career in the Hospitality Industry**

A.C.I.D. Karunarathne

**6. Impact of Service Quality Dimensions on Tourist Satisfaction, with Special Reference to Tourists’ Satisfaction in Pasikudah Region**

A.M. Rasmy, P.I.N. Fernando

**Track XI: Material Science and Engineering**

**Oral Presentations**

**Venue: C3**

**Session I:**

**2016 January 28**

**11.00 – 13.00**

**1. Determination of Factors Affecting to the Hardness of the Compound Used for Apex of Bead of Industrial Pneumatic Tyre**

W .S.S. Dharmathilaka, A.G.A.W. Alakolanga, P.K.W. Arachchi

A.N.R. Weerawansha

**2. Reducing Photocatalytic Degradation of Exterior Paint Prepared with TiO2**

S.D.M.A.S.S. Dissanayake, N. Jayaweera, C.K. Jayasuriya,

**3. Development of Glassy Hard Wearing Glaze for Floor Tiles**

S. L. Gamage , S. Medawela, J.T.Cooray

**4. Evaluation of Octosol A-18(E) & Sodium Silico Fluoride (SSF) as Shrinkage Reduction Agents in the Continuous Natural Latex Foam Sheet Manufacturing Process**

P.D.A Gunasekara, A.G.A.W. Alakolanga, A.N.R. Weerawansha, U.H.T.P. Samaraweera

**5. Improvement of Modified Bitumen Using Low Density Polyethylene**

S. Kajugaran, V.S.C. Weragoda

**Session II:**

**2016 January 28**

**14.00 – 16.00**

**1. Study on Relative reactivity and Toxicity of Metal-Glyphosate Complexes**

D.N. Liyanage, R.A. Jayarathna, D.D.C. Wanniarachchi

**2. Reinforcement of Natural Rubber Vulcanisates Using Mixed Fillers of Carbon Black and Mica**

L. Navaneethan, U. Jayalath, C. K. Jayasuriya

**3. Ionic Liquid Based Gel Polymer Electrolyte for Magnesium Ion Batteries**

R.R.D.V. Rathnayake, M.A.K.L. Dissanayake, H.M.J.C. Pitawala

**4. Fabrication of Dye Sensitized Solar Cells on Conducting Plastic Substrates**

W.A.K.C. Wijesuriya, A.J.M.H.L. Senevirathna, P.M. Sirimanne

**Poster Presentations**

**Venue: E1**

**Poster Session: 2016 January 28, 11.00 onward**

**1. Study the Effect on Physical Properties of Rice Husk Ash and Carbon Black Filled Natural Rubber Vulcanizates**

M. Gnanasubramaniam, J.K. Premachandra

**2. Identification of Method to Minimize Glaze Pinhole in Porcelain Tableware**

W.A.S.H. Weerakkody, P. Hettiarachchi, J.T. Cooray

**3. Development of Novel Bricks Using Ceramic Waste**

A.A.D.D.C.B. Alahakoon, S. Ranasinghe, H.M.J.C. Pitawala

**5. Preparation and Characterization of a Mosquito Repellent Paint**

A. Arunraj, N. Jayaweera, C.K. Jayasuriya

**6. Fabrication of Solid State Dye-Sensitized Solar Cells Using Squaraine Dyes as Sensitizers**

A.J.M.H.L. Senevirathna, W.A.K.C. Wijesuriya, P.M. Sirimanne

**7. Preparation and Characterization of Geopolymer Composites Containing Fly Ash, Bottom Ash and Rice Husk Ash**

K. Kajanthan, J.K. Premachandra, J.T. Cooray

**Track XII: Mineral Science and Technology**

**Oral Presentations**

**Venue: D1**

**Session I:**

**2016 January 28**

**14.00 – 16.00**

**1. Improve the Green Tile Strength of the Tile Body by Using Montmorillonite**

A.M.I. Ahamed, W.H. Kumarasinga, J.T. Cooray

**2. Development of Graphite/Ir Anode for Electro-chemical Denitrification of Landfill Leachate**

U. Sivasubramaniyam , A. Manipura, K.G.N. Nanayakkara

**3. Optimum Heat Treatment Condition for Low Gem Quality Zircon in Sri Lanka**

V. Kalansooriya, S. Illangasinghe, T. Cooray, C. Sutthirat

**4. Development of Cost Effective Carrier Material for the Bio Fertilizer to Enhance Eppawala Phosphate Solubility**

T. Rajhkumar, C.M. Peries, J.T. Cooray

**5. Characterization of Hydroxyapatite Derived from Sri Lankan Rock Phosphate for Biomedical Applications**

M. Chrishanth, K.B. Wijesekara

**6. Synthesis and Characterization of Multilayer Graphene Oxide Membrane using Flake Graphite of Sri Lanka**

K.D.H.U. Weerathunga, A.R. Kumarasinghe

**Poster Presentations**

**Poster Session: 2016 January 28, 11.00 onward**

**1. Establishing a Relationship between Silica/ Feldspar/ Ball Clay Content and Shrinkage Properties in Wall Tile Manufacturing**

J.N. Kanagaratnam

**Track XIII: Digital Electronics and Embedded Systems**

**Oral Presentations**

**Venue: E4**

**Session I:**

**2016 January 28**

**11.00 – 13.00**

**1. Automated Oil Pumping System for Sewing Machines**

J.M.S.M.B. Jayasundara, U.D. Samanthilake

**2. Simultaneous Wall Following and Map Building Robot**

D.M. Withanawasam, W.K.I.L. Wanniarachchi

**3. Development of Leader Follower Robot**

B.C.Liyanapathirana, W.K.I.L.Wanniarachchi

**4. Automated Dispensary Mechanism for Government Hospitals**

C. J. Rupasinghe, D.R.V.L.B.Thambawita

**5. Home Automation System**

K.G.H.A. Somasiri, W.K.I.L. Wanniarachchi

**Poster Presentations**

**Venue: E1**

**Poster Session: 2016 January 28, 11.00 onward**

**1. Two-Wheeled Self Balancing Robot**

S.M.B.P.B. Samarathunga, W.K.I.L. Wanniarachchi

**2. Control the Temperature of an Electric Iron Using Fuzzy Logic Technique**

K.W.S. Chathuranga, R. M. T. C. B. Ekanayake

**Track XIV: Computing and Information Science**

**Oral Presentations**

**Venue: E5**

**Session I:**

**2016 January 28**

**11.00 – 13.00**

**1. Detection of Dhool Number in Black Tea Manufacturing with Image Processing Techniques**

S. Saranka, T. Kartheeswaran, D.D.C. Wanniarachchi, W.K.I.L. Wanniarachchi

**2. Detection and Classification of Diseased Tomato Leaf Using Image Processing Techniques**

Y. Mehendran, T. Kartheeswaran, E.P.S.K. Ediriweera

**3. Fuzzy Logic and Fingerprint Based System to Improve the Productivity of Teaching Process in Sri Lankan Schools**

S.C. Jayawickrama, D.RV.L.B. Thambawita

**4. A Morphological and Gradient-based Approach Classify Rice Grains**

K. Niroji, S.H.D. Senanayake

**5. Mouse Control System for People Who Have Lost Their Privileges of Using Both Hands and Voice**

K.R.D. Srimevan, I. K. K. B. Ihalagedara

**Session II:**

**2016 January 28**

**14.00 – 16.00**

**1. Identifying Hidden Patterns Related to Indices in CSE through Data Mining**

S.M.M.P. Sathkumara, S.H.D. Senanayake

**2. Data Mining Approach to Predict Climate Changes in Sri Lanka**

K.H.S. Kumarasinghe, H.M.S.N. Ariyadasa

**3. Pattern Recognition in Dengue Disease**

H.M.K.V. Jayaratne, S.H.D. Senanayake

**4. An Artificial Neural Network Model for Rainfall Prediction on the Basis of Agro-ecological Regions (AER) in Sri Lanka**

A.A.D. Surin, S.T.C.I. Wimaladharma

**5. Optimization of Wireless Network Sensors Points using Genetic Algorithm**

U. Priyatharsan, P. H. Sarawana

**6. Real Time Traffic Light Time Analyzer**

I. K. K Indika, D.R.V.L.B Thambawita

**Session III:**

**2016 January 29**

**09.00 – 11.00**

**1. Nitrogen Level Measuring System for Rice Cultivation**

K.L.K.R. Liyanage, M. Ramashini

**2. Automated Conversion of Sinhala Sign Language in to Speech Form**

L.A.H.S Kaushalya, I.K.K.B Ihalagedara

**3. Medical Expert System for Analysing Heart Diseases in Sri Lanka**

N.U. Weerawardana, D.G.R.V.L.B. Thambawita

**4. A Conceptual Model for Internet Based Carpooling Systems via a Visibility Assessment to Match the Requirements of Sri Lankan Community**

H.N. Arnolda, D.R.V.L.B. Thambawita

**5. Pattern Identification for Main Export Products in Sri Lanka through Data Mining**

D.S.P. Darmasena, S.H.D. Senanayake

**Poster Presentations**

**Venue: E1**

**Poster Session: 2016 January 28, 11.00 onward**

**1. Mobile Phone based Information Systems & Services Adaptations of Upcountry Vegetable Farmers in Welimada DS Division**

D.G.D. Perera, P. Sivashankar, R.P. Mahaliyanaarachchi, I.C. Hettiarachchi

**2. Pronunciation Training System to Enhance Sinhala and Tamil Language Skills**

G.R.M.D. Gamage, D.R.V.L.B. Thambawita

**3. Virtual Laboratory System for A/L Physics Units of Electricity**

H.W.D. Maheshika, D.R.V.L.B. Thambawita

**4. Location Based Real Time Advertising System**

W. U. R. De Mel, C.S.D. Ellepola

**5. Recommending a Usability Practices for Websites Developers and Designers**

T.D. Madushani, S.T.C.I. Wimaladharma

**6. Widespread Emergency Response System in Colombo District**

H.V. Tamari, I. K. K. B. Ihalagedara

**7. Implementing a User Friendly Feed Formulation Software Application for**

**Sri Lankan Poultry Famers**

I. A. Kaluarachchi, I. K. K. B. Ihalagedara

**8. Systematic Approach to Maintain Civil Information for Grama Niladharis’ In**

**Sri Lanka**

D.M.N. Chathurani, C.S.D. Ellepola

**9. Sri Lankan Vein Graphite Classification Using Image Processing and Neural Network**

E.M.C.G. Wickramasinghe, J.T. Cooray, S.T.C.I. Wimaladharma

**Humanities and Social Development**

**Oral Presentations**

**Venue: Language Lab**

**Session I:**

**2016 January 28**

**11.00 – 13.00**

**1. Impact of Migration Remittance on Consumption Expenditure Pattern in Tea Estate Households**

B.M.S.K. Ekanayake, R.A.P.I.S. Dharmadasa

**2. Impact of Labour out-Migration on Technical Efficiency of Cinnamon Farmers in Kamburupitiya, Matara District**

P.M. Belpage, R.A.P.I.S. Dharmadasa

**3. Youths Intension towards Migration**

M.J.M. Infaz, R.A.P.I.S . Dharmadasa

**4. Regional Poverty in Sri Lanka: A Multidimensional Approach**

P.H.T. Kumara, G.H. Abeyweera, K.M.R. Siriwardhana

**5. An Inventive Teaching Method to Enrich the Knowledge in Grammar Amongst The GCE A/L Students in Gampaha District**

T.A.C.J.S. Bandara, S. Pathiratne, P.A.B.H Amarathunga

**Session II:**

**2016 January 28**

**14.00 – 16.00**

**1. Time Series Analysis of Colombo Tea Auction Price Data**

M. R. Hameem, R. A. I. P. S. Dharmadasa, K. M. K. Jayawardana

**2. An Evaluation on Fisher Women Contribution for Household Economy in**

North-western Province of Sri Lanka

D.W.L.U. De Silva, K.P.G.L. Sandaruwan, H.D. Wimalasena, K.H.M.L. Amaralal, M.M.A.S. Maheepala

**3. Identification of Factors that Affect the Grade of the Mathematics Subject at Ordinary Level Examination with Reference to Uva Province**

J.M.D.R Jayawardana, M.M.C.M Mayadunne, K.W.S Kumari

**4. The Trend and Behaviour of Unemployment Rate in Uva Province during Last Decade**

P. Ramwickrama, K. W. S. N. Kumari

**Poster Presentations**

**Venue: E1**

**Poster Session: 2016 January 28, 11.00 onward**

**1. Factors Affecting on Income Generation from Kandyan Home Gardens**

Y.H.G.D.B. Premasinghe, H.K.S.G. Gunadasa , M.A.P.K. Seneviratne,

R.M.P.S. Rathnayaka

**2. Study on Socio-Economic characteristics of Income diversified Tea Smallholders in Badulla District**

S.H. Chamalka, R.A.P.I.S. Dharmadasa