

Technical Session – Animal Science

Day 01: January 29, 2015

Venue: E2 Lecture Theatre

Chairperson: **Prof. Pradeepa Silva**
Professor
Department of Animal Science
Faculty of Agriculture
University of Peradeniya
Peradeniya

Panel Members: **Dr. Janak K. Vidanarachchi**
Senior Lecturer
Department of Animal Science
Faculty of Agriculture
University of Peradeniya
Peradeniya

Dr. Dinesh D. Jayasena
Department of Animal Science
Faculty of Animal Science and Export Agriculture
Uva Wellassa University
Badulla

Mr. Ujith De Silva
Head-QC/Research & Development
Ceylon Cold Stores PLC
Samadaragahawatte
Ranala

Coordinator: ***Ms. Maheshika S. Kurukulasuriya***

11.00 a.m. Effect of different aerobic and anoxic time periods on the effluent water quality of a sequence batch reactor in a meat processing plant

K.P.W. Kahandawa, A.M.N.L. Abesinghe and T.K. Dissanayake

11.20 a.m. Development of avocado (*Persea americana*) incorporated set yoghurt

W.M.A.A. Kulasinghe, A.M.N.L. Abesinghe, A.M. Samaraweera and L.K.A. Gunawardhana

11.40 a.m. Production characteristics and technical efficiency of buffalo farmers in Thanamalwila veterinary division

M.B.J.G.R. Malcolm, A.M. Samaraweera and R.M.S.D.Rathnayake

- 12.00 noon Development of drinking yoghurt by incorporating corn (*Zea mays*) milk and corn seeds
R.I.W. Mendis, A.M.N.L. Abesinghe, A.M. Samaraweera and L.K.A. Gunawardhane
- 12.20 p.m. Effect of tropical forages on growth performance and carcass quality of rabbits
F.S. Mohamed and E.D.N.S. Abeyrathne
- 01.00 p.m. –02.00 p.m. Lunch
- 02.00 p.m. Diversity and antibiotic resistance patterns of *Lactobacillus* species in traditional curd in Sri Lanka
T. Paranagama, C.P. Kodikara and G.D.D.K Gunasena
- 02.20 p.m. A preliminary study on milk urea nitrogen values of the Ambewela farm
K.K.T.N. Ranaweera, Maheshika S. Kurukulasuriya, A.M. Samaraweera , N. Priyankarage and U.L.P. Mangalika
- 02.40 p.m. Comparison of broiler chicks performance in single stage incubation and multi stage incubation
H.W.P. Samarawickrama, R.M.H. Tharangani and G.A.S.N. Gamlath
- 03.00 p.m. Potential to use *Lawsonia inermis* (marathondhi) leaves and *Embllica officinalis* (nelli) fruit extracts as tannin agents for leather manufacturing
S.M.D.S.C. Senaratne, A.M. Samaraweera and W. Wickramasingha
- 03.20 p.m. Comparison of broiler chick performance in single stage incubation and multi stage incubation
S. Abiramy, R.M.H. Tharangani and Chandana Semage

Poster Presentation

- Development of a probiotic, fermented milk beverage by incorporating finger millet (*Eleusine coracana*)
H.K.T. Awanthika, A.M.N.L. Abesinghe and U. De Silva
- Development of soursop pulp (*Annona muricata*) incorporated fermented sweet cream buttermilk beverage
K. Buddhadasa, A.M.N.L. Abesinghe and R.A.J.N. Luxman
- Development of banana (*Musa* spp.) puree incorporated Synbiotic stirred yoghurt
G.H. Nanayakkara, A.M.N.L. Abesinghe and U. De Silva
- Quail egg consumption: Patterns, preferences and perceptions among consumers in Galle district, Sri Lanka
H.M.W.N. Abeyrathna

Day 02: January 30, 2015

- 09.00 a.m. **Keynote Address by Prof. Pradeepa Silva**
- 09.30 a.m. Development of fishmeal from knifefish (*Chitala ornate*)
S.P.Wanniarachchi, N.P.P. Liyanage, and E.D.M. Epasinghe
- 09.50 a.m. A study on microbial contaminations, sources and preventive measures in salted butter production in a commercial dairy plant
T.D.G. Wickramanayaka and E.D.N.S. Abeyrathne
- 10.10 a.m. A Study on crocodile behavior (*Crocodylus palustris*) and public value orientation in Ethimale of Monaragala district
W.G.R.I. Wijethilaka, A.M. Samaraweera and A.M.N.L. Abesinghe
- 10.30 a.m. Development of tomato (*Solanum lycopersicum*) incorporated fish nuggets
R.W.M.E.D. Perera, E.D.N.S. Abeyrathne and N. Lalantha
- 10.50 a.m. Tea
- 11.10 a.m. Analysis of consumer food safety knowledge and practices in Rathnapura
G.D.H.P. Dharmasiri, P. Sivashankar, I.C. Hettiarachchi and R.P. Mahaliyanaarachchi
- 11.30 a.m. A study on shelf life of export oriented fresh chilled Yellowfin tuna loins in relation to histamine content
T.R. Kapugama Arachchige, S.C. Jayamanne and K. Amarasinghe

Technical Session – Aquatic Resource Technology

Day 01: January 29, 2015

Venue: GIS Laboratory

Chairperson: **Dr. S.C. Jayamanne**
Dean/ Faculty of Animal Science and Export Agriculture
Uva Wellassa University
Badulla

Panel Members: **Prof. Deepthi Yakandawala**
Senior Lecturer/ Department of Botany
Faculty of Science
University of Peradeniya

Dr. Kalum Wijenayake
Senior Lecturer/ Department of Aquaculture & Fisheries
Faculty of Livestock, Fisheries & Nutrition
Wayamba University of Sri Lanka
Makandura

Dr. M. A. Jagath P. Munasinghe
Head/ Department of Livestock Production
Faculty of Agricultural Sciences
Sabaragamuwa University of Sri Lanka
Belihuloya

Coordinators: **Ms. R.M.G.N. Rajapaksha and Ms. T.H. Ranahewa**

11.00 a.m. Determination of a suitable growing medium and a commercial fertilizer for *Echinodorus parviflorus* 'tropica' in the nursery level

K. Amarakoonge, B.V.A.S.M. Bambaranda and S.C. Jayamanne

11.20 a.m. Development of a suitable culture media for mass culture of *Moina macrocopa*

G.N.M. De Silva, S.C. Jayamanne and W.P.R. Chandrarathna

- 11.40 a.m. Evaluation of attitude and awareness of the international resolution on responsible fishing: A case study on the multiday fishermen of Matara
K.L.N. Dilini, I.U. Wickramaratne, N.P.P. Liyanage and N.D.P. Gunawardane
- 12.00 noon Toxicity Effects of Trace Metals on Zebra Fish (*Danio rerio*) Embryo
M.F.A. Fasmina, S.C. Jayamanne, N.P.P. Liyanage and D.P.N. De Silva
- 12.20 p.m. Development of Micro Propagation Protocols for two *Aponogeton* species of Sri Lanka (*Aponogeton crispus* and *Aponogeton natans*)
T.W.G.J.C. Amarawansa, B.V.A.S.M. Bambaranda, S.C. Jayamanne and H.M.I Herath
- 12.40 p.m. Consumption pattern of fish among households in Batticaloa district
S. Komahan and P.Sivarajah
- 01.00 p.m. –02.00 p.m. Lunch
- 02.00 p.m. Isolation and incorporation of Nitrogenous compounds from yellow fin Tuna (*thunnus albacares*) to produce a fish flavored vegetable burger
P. D. A. Jeewantha, E.D.N.S. Abeyrathne
- 02.20 p.m. Induced breeding of silver dollar (*Metynnis hypsauchen*) using Ovaprim
K.A.J.L. Kodisinghe, S.C. Jayamanne and A.H.M.S.S.K. Abeysinghe
- 02.40 p.m. A comparative study on the effectiveness of gillnet and longline fishing methods used by multiday fishermen in Matara fisheries district
M.I. Jathunga, I.U. Wickramaratne and N.P.P. Liyanage
- 03.00 p.m. A review of export trade of indigenous aquatic plants species in Sri Lanka and their conservation issues
R.D.C Bandaranayake, B.V.A.M.S. Bambaranda and S.C. Jayamanne
- 03.20 p.m. Development of garment leather from Yellowfin Tuna (*Thunnus albacares*) skin
E.M.B.S. Eakanayake, S.C. Jayamanne and W. Wickramasinghe

Poster Presentation

- Analyze the histamine level in various position of the histamine developed Tuna fish
K.S.H. Kalubowila, N.P.P. Liyanage and A. Perera
- A Geographic Information System (GIS) approach in identification of the potential reservoirs for Giant Fresh Water Prawn (*Macrobrachium rosenbergii*) culture: A case study in Moneragala district, Sri Lanka
R.A.C. Nisansala and R.M.C.W.M. Rathnayake

Day 02: January 30, 2015

- 09.00 a.m. **Keynote Address** by Dr. P.B Terney Pradeep Kumara
- 09.30 a.m. Balancing the benefits of protein content and the risks of trace metal toxicity exposure from skipjack tuna (*Katsuwonus pelamis*) consumption in Sri Lanka
A.S. Mahaliyana, N.P.P. Liyanage, S.C. Jayamanne and B.K.K.K. Jinadasa
- 09.50 a.m. Study of water quality changes and growth of cultured edible oysters (*Crassostrea madrasensis*), culture sites at Gagewadiya and Kandakuliya in Puttlam district
H.T Wijayanandana
- 10.10 a.m. Seashell processing: An emerging industry in Kinniya divisional secretariat division of Trincomalee district
A. H. Sajitha and Thivahary Geretharan
- 10.50 a.m. Tea
- 11.10 a.m. Effect of growth regulators on in-vitro multiplication of selected *Lagenandra ovata* and *Lagenandra lancifolia*
W. M. A. Senavirathne, B. V. A. S. M. Bambaranda, S.C. Jayamanne and S. A. Krishnarajah
- 11.30 a.m. A preliminary study on the effectiveness of organic fertilizers for the survival rate of *Catla catla*
K.G.M. Prabhani, N.P.P. Liyanage and K.M.D.M. Somarathna
- 11.50 a.m. Bioassay on the effectiveness of chemical hydrolyzation for denaturing agrochemical contaminated wastewater
G.M.G.M.M. Wickrama, R.M.G. N Rajapakshae, N.P.P Liyanage and W.R.K Fonseka
- 12.10 p.m. Preliminary study on Mangrove diversity in Irakkandy lagoon, Trincomalee
K. Krishnanantham, S.C. Jayamanne, and Y. B. M.C. J. Seneviratne

Technical Session – Computer Science and Technology & Industrial Information Technology

Day 01: January 29, 2015

Venue: D-Block Computer Lab

Chairperson Dr. Roshan G. Ragel

Senior Lecturer/ Department of Computer Engineering
Faculty of Engineering
University of Peradeniya
Peradeniya

Panel Members Dr. S. Radhakrishnan

Department of Computer Engineering,
Faculty of Engineering
University of Peradeniya
Peradeniya

Ms. G. S. Makalanda
Senior Lecturer/ Department of Computer Science
University of Sri Jayawardanapura
Nugegoda

Dr. Sisira Ediriweera

Head/ Department of Computer Science & Technology
Uva Wellassa University
Badulla

Coordinator Ms. H.M.U.S.K. Herath & Mr. D.R.V.L.B Thambawita

11.00 a.m. A graph theoretic approach to control the traffic congestion on road network

I.M.L.N. Jayaweera and K.K.K.R. Perera

11.20 a.m. Android mobile driving assistant for highway drivers

P.A.A. Iloshini and D.R.V.L.B. Thambawita

- 11.40 a.m. Blood bank management system
E.M.S.S. Ekanayaka and C. Wimaladharma
- 12.00 noon Classification of virtual learning environment
N. Pratheesh
- 12.20 p.m. Consumer awareness on sustainable apparel product consumption
H.R.A.T. Ranaweera and K.V.K.D. Wasala
- 12.40 p.m. Expert food analysis system
S.M.U.C. Seneviratne and D.R.V.L.B. Thambawita
- 01.00 p.m. –02.00 p.m. Lunch
- 02.00 p.m. **Keynote Address by Dr. Roshan G. Ragel**
“Side Channel Attacks in Embedded Systems”
- 02.30 p.m. Modification of information gain measure to select the best group of attributes in a data set for a binary decision tree inducer
N.S. Rathnayaka and J. K. Wijerathna
- 02.50 p.m. Security door open system based on password, fingerprint and GSM
Gulani Kanthasamy and H.M.U.S.K. Herath
- 03.10 p.m. Cloud computing in business scenario
P. Pretheeba and N. Pratheesh
- 03.40 p.m. Version controlling for operating system configurations
M. N. M. Thanish and I. K. K. B. Ihalagedara
- 04.00 p.m. RIA-Bus: A Conceptual Technique to Facilitate the AJAX-Based Rich Internet Application
Nalaka R. Dissanayake, G.K.A. Dias and C. Ranasinghe

Poster Presentation

- Consumer mobile community
I.H.M.S. Kumara and D.R.V.L.B. Thambawita
- Stock handling and analyzing system for multi-purpose Co-operative society, Eheliyagoda
S.P.T.P. Senadheera and D.R.V.L.B. Thambawita

Technical Session – Export Agriculture

Day 01: January 29, 2015

Venue: Main Lecture Theatre

Chairperson: **Dr. Nimal Dissanayake**
Additional Director
Batalegoda
Ibbagamuwa

Panel Members: **Dr H.M.P.A Subasinghe**
Deputy Director
Central Research Station
Matale

Dr. L.D.B. Suriyagoda
Senior Lecturer/ Department of Crop Science
Faculty of Agriculture
University of Perdeniya
Peradeniya

Dr. L.M.H.R Alwis
Head/ Department of Export Agriculture
Uva Wellassa University
Badulla

Coordinator: ***Ms. H.A.S.L Jayasinghe***

11.00 a.m. *In vitro* antifungal activity of selected medicinal plants extracts against selected postharvest pathogens in fruits and vegetables

S.P.R.R. Samarasinghe, A.G.A.W. Alakolanga, W.A.R.T Wickramaarachchi, N.S Kumar and U.L B. Jayasinghe

- 11.20 a.m. Technical efficiency of Mirahawatte Organic Tea Smallholders: A Stochastic Frontier Approach
K.R.S. Chathurangi and R.M.S.D. Rathnayaka
- 11.40 a.m. Assessment of oil yield and oil quality in cinnamon (*Cinnamomum zeylanicum* Blume) leaves under different severity levels of two types of leaf galls (*Trioza cinnamomi*, *Eriophyes boisi*)
N.P. Daladawatta, G.G. Jayasinghe, G. Chandrasena and A.N.R. Weerawansa
- 12.00 noon Development of Low Glycemic Index Bread using a Composite Flour Mixture
K.W. Thilakarathna, W.A.J.P. Wijesinghe and K.H. Sarananda
- 12.20 p.m. Development of a Protocol for *In Vitro* Propagation of Black Pepper (*Piper nigrum* L.) Local Selections
S.G.H.C.K. Dissanayake, L.M.H.R. Alwis, H.A.S.L. Jayasinghe, A.M.C.I.M. Attanayake and J.M. Seneviratne
- 12.40 p.m. Analysis of technical efficiency of pepper growers in Kandy district
J.K.S. Jayalath, R.M.S.D. Rathnayake and M.A.P.K. Seneviratne
- 01.00 p.m. –02.00 p.m. Lunch
- 02.00 p.m. Feasibility Study for Direct Planting of *in Vitro* Potato (*Solanum Tuberosum* L.) Varieties Granola and Golden Star in Aeroponic System
A.P. Wijesinghe, L.M.H.R Alwis , H.A.S.L Jayasinghe and M.M Nugaliyadda
- 02.20 p.m. Labour migration and paddy production; A comparative analysis
H.M.M.K. Haluwana and R.A.P.I. S. Dharmadasa
- 02.40 p.m. Effect of nitrogen fertilization on nitrate accumulation in Radish (*Raphunussativus*) and Beetroot (*Beta vulgaris*)
W.G.S. Lakmali, H.M.S.K. Herath and N.R.N. Silva

- 03.00 p.m. Development of Stirred Type Fruit Yoghurt Using Wood Apple
(*Limonia acidissima*)
N.G.A.S Nanayakkara, W.A.J.P. Wijesinghe and D.N. Hettiarachchi
- 03.20 p.m. Investigating the factors that influenced the excess use of pesticides by
the vegetable farmers in Badulla and Nuwara-Eliya districts
M.T.D.C. Perera and M.G.P.P. Mahindaratne
- 03.40 p.m. Mapping the Soil Chemical Properties and Leaf Quality on Quality
Tobacco Production in Sri Lanka: A GIS Approach
H.C. Marasinghe, R.M.C.W.M. Rathnayake and N.N.R. Abeysekara

Poster Presentation

- Determination of microbial quality & quantity of stored cinnamon quills at different moisture levels
S.M. Pathirana, G.G. Jayasinghe, A.N.R. Weerawansa and G. Chandrasena
- Development of ready to serve drink from Gotukola (*Centella asiatica*)
G.G.N.T. Ariyasinghe, W.A.J.P. Wijesinghe and D. N. Hettiarachchi
- Satisfaction of Low-Country Vegetable Farmers about the Agricultural Extension Service in Sri Lanka
L.K.C.K. Gunasekara and M.G.P.P. Mahindaratna
- Nitrogen and potassium fertilizer response on growth and yield of hybrid Luffa (*Luffa acutangula*) Naga F1 variety
D.R.T.N.K. Dissanayake, H.M.S.K. Herath, H.K.S.G. Gunadasa and P. Weerasinghe
- A Study on patterns of fresh fruit consumption of Households in Kurunagala
A.M.P. Abeysinghe
- Farmers' perception on cultivating herbal plants as an agribusiness venture: A study at Pambahinna Agrarian Services Division
T.M. Liyanagamage

Day 02: January 30, 2015

09.00 a.m.	Keynote Address by Dr. Nimal Dissanayake
09.30 a.m.	Willingness to adopt chemical leasing service by vegetable farming in Nuwera Eliya district, Sri Lanka K.M.C. Nishaya and M.G.P.P. Mahindaratne
09.50 a.m.	Analysis of combining ability and heterosis in tomato (<i>Solanumlycopersicum</i>) using Full Diallel Cross R.G.Y.H. Jayarathna , L.M.H.R. Alwis, H. Fonseka and H.M.V.T. Welegama
10.10 a.m.	Preservation of tomato (<i>Lycopersicon esculentum</i>) by dehydration for product development and utilization T.M.A.N. Weerasinghe , W.A.J.P. Wijesinghe and K.H. Sarananda
10.30 a.m.	Study on the factors effect on the integrity and sealing of flexible packaging M.M.D.A. Abeysinghe , W.A. J.P. Wijesinghe, A. Senarathne and A.N.R. Weerawansha
10.50 a.m.	Tea
11.10 a.m.	Study on Response of Rice Varieties to Different Nitrogen Fertilizer Levels H.V.C. Priyadarshanee , L.M.H.R. Alwis and D.N. Sirisena
11.30 a.m.	Selection of an effective Bio-filmed Bio-fertilizer formulation and best Potting medium for Anthurium (<i>Anthurium Andraeanum</i>) R.M.D.C. Rathnayake , H.K.S.G. Gunadasa , H.A.S.L Jayasinghe and K.A.C.N. Seneviratne
11.50 a.m.	Studying the effects of Mealybug (<i>Paracoccus marginatus</i>) attack on forming of Indian Marigold Flower (Tagets spp.) P.C.D. Perera and Nilanthi Dahanayake

12.10 p.m.	Consumer preference for quality attributes of rice W.G.D.L.C. Wijesinghe, B.R. Walisinghe and R.A.P.I.S. Dharmadasa
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Technical Session – Entrepreneurship & Management

Day 01: January 29, 2015

Venue: C2 Lecture Theatre

Chairperson: Prof. H.S.C. Perera
Dean/ Faculty of Management & Finance
University of Ruhuna
Matara

Panel Members: **Dr. T.S.L.W. Gunawardana**
Senior Lecturer/ Department of Marketing
Faculty of Management & Finance
University of Ruhuna
Matara

Dr. K.A.S. Dammika
Head/ Department of Human Resource Management
Faculty of Commerce and Management Studies
University of Kelaniya
Kelaniya

Dr. P.I.N. Fernando
Dean/ Faculty of Management
Uva Wellassa University
Badulla

Coordinators: ***Ms. W.M.P.G.C. Weerakoon and Ms. S.F. Fasana***

11.00 a.m. Financial usage and money management: Study based on undergraduates in social sciences stream

N.M.A. Jayasinghe

- 11.20 a.m. Study of HR practices and its' impact on labour productivity: Katunayake export processing zone apparel industry
J.A.S.M. Jayakody and J. Siyambalapitiya
- 11.40 a.m. Stock market – growth nexuses: An application of dynamic panel data analysis for developed and emerging markets
N.P.R. Deyshappriya
- 12.00 noon A study of impact of accounting record keeping practices on financial performance of SMEs-evidence form Badulla district Sri Lanka
K.E. Ubesiri and Y.M.C. Gunaratne
- 12.20 p.m. An Empirical Study on Adjustment of Stock Prices to Information Implicit in Stock Splits: Evidence from Colombo Stock Exchange
K.V. Aruna Shantha
- 12.40 p.m. Relationship of job satisfaction and organizational commitment: A field study of insurance
B.V.G. Mendis and S.F. Fasana
- 01.00 p.m. –02.00 p.m. Lunch
- 02.00 p.m. Keynote Address by **Dr. O.G. Dayarathne**
- 02.30 p.m. Bolster entrepreneurial attitudes and intention among post-graduates in India
P. Pretheeba and R. Ponnmani
- 02.50 p.m. Impact of credit risk management on financial performance: With special reference to Sri Lankan banking sector
A.G.D. Krishanthi and K.M.M.C.B. Kulathunga
- 03.10 p.m. Policy holder perception on customer orientation of insurance agent and customer loyalty: Life insurance companies in Anuradhpura district
W.M.N.M. Warnakulasooriya and J. Siyambalapitiya
- 03.30 p.m. Impact of job satisfaction on organizational citizenship behavior: Special reference to licensed commercial banks in Colombo district
R.M.D.M.Rathnayake and S.F. Fasana

- 03.50 p.m. Impact of financial leverage on firm performance: With special reference to manufacturing sector in Sri Lanka
T.G.A.H.C. Amarawansa and K.M.M.C.B. Kulathunga
- 4.10 p.m. The performance appraisals system and its' impacts on employee motivation: A study with special reference to Sri Lankan licensed commercial banks in Kandy district
A.M.K.G.M.D Abeykoon and J. Siyambalapitiya
- 4.50 p.m. Determinants of SME financing: With special reference to SMEs in Badulla district
H.M.D. Herath and K.M.M.C.B. Kulathunga

Technical Session – Hospitality, Tourism and Events Management

Day 01: January 29, 2015

Venue: C3 Lecture Theatre

Chairperson: Dr. Iraj Ratnayake
Senior Lecturer/ Department of Tourism Management
Faculty of Management Studies
Sabaragamuwa University of Sri Lanka
Belihuloya

Panel Members: **Dr. W.K. Athula Gnanapala**
Head/ Department of Tourism Management
Faculty of Management Studies
Sabaragamuwa University of Sri Lanka
Belihuloya

Dr. Dr. H.R.N. Peiris
Head/ Department of Public Administration
Faculty of Management
Uva Wellassa University
Badulla

Dr. P.H.T. Kumara
Lecturer/ Department of Public Administration
Faculty of Management
Uva Wellassa University
Badulla

Coordinator: **Ms. D.A.K.A. Damunupola**

11.00 a.m. Development through international events: a case study on commonwealth heads of government meeting (CHOGM) in Sri Lanka, 2013

W.M.K.C. Wijayabahu and Namal de Silva

11.20 a.m. The effects of motivation, satisfaction and revisit intention of tourists on ayurvedic tourist hotels (with special reference to Galle district)

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

- 11.40 a.m. Influence of sustainable development in foreign policy creation: Realist framework
K.M.S.M. Kodithuwakku and K.P.P.U. Jayawardena
- 12.00 noon Identifying the potentials to develop Nuwara Eliya as a tea tourism destination: Demand and supply perspectives
M.J.R.S. Fernando and J.P.R.C. Ranasinghe
- 12.20 p.m. A study on the tourist attractions in Colombo city
G.B.I. Weerasingha
- 12.40 p.m. The impact of service quality dimensions towards customer satisfaction: A study with special reference to five star hotels in Sri Lanka
K.A.P.G. Weerasinghe and P.I.N. Fernando
- 01.00 p.m. – 02.00 p.m. Lunch
- 02.00 p.m. Keynote Address by **Mr. Srilal Mittapala**
- 02.30 p.m. Identifying potentials to promote gem tourism in Sri Lanka (with special reference to Rathnapura, Colombo and Kandy areas)
M.M. Ariyaratne and P.I.N. Fernando
- 02.50 p.m. An empirical study on consumer attitudes and buying behavior in hotel industry in Sri Lanka: With special reference to fast food restaurants in Colombo city
A.M. Shifana and P.I.N. Fernando
- 03.10 p.m. Consumer awareness on sustainable apparel product consumption
H.R.A.T. Ranaweera and K.V.K.D Wasala
- 03.30 p.m. Push factors effect on voluntary external labour turnover intention in apparel industry: With special reference to Katunayaka export processing zone
W.P.G.R.N. Jayasinghe and J. Siyambalapitiya

03.50 p.m. Firm level entrepreneurship and firm performance: Exploring relationships with special reference to the hotel sector
S.D. Katugampala and W.M.P.G.C. Weerakoon

04.10 p.m. Factors affecting to neglect formal financing sources by the SMEs; with special reference to Badulla district
T.A.O.S. Karunarithna and P.I.N. Fernando

Poster Presentation

Analyzing the factors influencing on online hotel reservation (with special reference to Galle district in Sri Lanka)

E.M.S.D. Edirimanna and D.A.K.A. Damunupola

Technical Session – Mineral Resources and Technology

Day 01: January 29, 2015

Venue: D2 Lecture Theatre

Chairperson: **Dr. A.M.K.B. Abeysinghe**
Head/ Department of Earth Resources Engineering
University of Moratuwa

Panel Members: **Dr. A.N.B. Attanayake**
Dean/ Faculty of Science and Technology
Uva Wellassa University
Badulla

Dr. C.I. Jayawardhana
Senior Lecturer/ Department of Earth Resources Engineering
University of Moratuwa
Moratuwa

Dr. S.P.K. Malaviarachchi
Senior Lecturer/ Department of Geology
University of Peradeniya
Peradeniya

Coordinator: **Mr. Titus Cooray**

11.00 a.m. Investigation on structural modification of Sri Lankan vein graphite for ion intercalation

A.G.T.R. Amiyangoda, R.M.N.M. Rathnayake,
R.I.C.N. Karunaratne and H.W.M.A.C. Wijayasinghe

- 11.20 a.m. Reinforcement of natural rubber using silica and zeolite mixed fillers
L. W. S. Dilhan, R. M. M. D. Rathnayake, and C.K. Jayasuriya
- 11.40 a.m. Effect of Low pH of Groundwater in Rathupaswala Area, Sri Lanka: A Case Study
W.A.V. Premalal and D.T. Jayawardhana
- 12.00 noon Hydrological assessment of flow in Uma Oya, Sri Lanka
C.S. Rajapakse
- 12.20 p.m. Investigation of Trihalomethanes formation in Greater Kandy Water Treatment Plant and its distribution
M. G. N. Perera and S. K. Weragoda
- 12.40 p.m. Water pollution study in Nalanada Lake to improve the Water quality of Naula Water Treatment Plant
T.N.T.K. Nawarathna and M. Makehelwala
- 01.00 p.m. –02.00 p.m. Lunch
- 02.00 p.m. Quantum Efficiency (Φ) Enhancement of p-CuI Sensitized LB Films of Methylviolet-C18 by Minimizing Dye Aggregates
P.G.D.C.K. Karunarathna, C.A.N. Fernando and S.N.T. De Silva
- 02.20 p.m. Relating climatic parameters with leachate chemistry and its association with river water quality
W.M.D.S.K. Weerakoon, S.K. Weragoda, C.S.K. Kalpage, A. Manipura and A.M. Ziyath
- 02.40 p.m. Determination of potential use of chitosan for the removal of Pb, Fe and Mn in the water samples collected from different areas of Sri Lanka
S. Farhan, S.M. De Silva and C.S.K. Rajapakse

- 03.00 p.m. Heavy metals and trace element distribution around Eppawala Apatite deposit
P.C.B. Wickremasinghe and D.T. Jayawardhana
- 03.20 p.m. Determine the presence of gold in Nilwala river basin southern part of Sri Lanka
B.G.P.T. Saranga, J.T. Cooray, S. Siriwardhane and W.K.B.N. Prame
- 03.40 p.m. Magnesium rechargeable cells based on PVdF gel polymer electrolyte
Y.M.C.D. Jayathilake, K.S. Perera and K.P. Vidanapathirana

Poster Presentation

- Toxic Metal Absorptivity to Agricultural Soils
M.A.N. Chamara, J. T. Cooray and A.N.B. Attanayake
- Synthesizing Electro- conductive grease using graphite
W.A.P.P. Christopher, J. T. Cooray and A.N.B. Attanayake
- Estimating the magnetite content of the Southern part of Eppawala Phosphate Deposit and its parent rock
H.P.V.H. Erandi, N.D.Subasinghe, W.K.B.N. Prame and A.N.B. Aththenayake

Day 02: January 30, 2015

Chairperson: **Dr. A.M.K.B. Abeysinghe**
Head/ Department of Earth Resources Engineering
University of Moratuwa

Panel Members: **Dr. A.N.B. Attanayake**
Dean/ Faculty of Science and Technology
Uva Wellassa University

Dr. C.I. Jayawardhana
Senior Lecturer/ Department of Earth Resources Engineering
University of Moratuwa

Dr. C.K. Jasuriya
Senior Lecturer/ Department of Science and Technology
Uva Wellassa University

Coordinator: *Mr. Titus Cooray*

09.00 a.m. **Keynote Address by Dr. A.M.K.B. Abeysinghe**

09.30 a.m. Investigation Of The Effectiveness Of Upparu Salt Barrage In Jaffna Peninsula (3rd Stage)
N. Rupathasan, D.T. Jayawardhana and D.T. Udagedara

09.50 a.m. Cu₂O Quantum Dots (QDs) Sensitized Cu/p-CuI Photo-electrode for H₂ Generation through Efficient Water Splitting
R.D.A.A. Rajapaksha, C. A. N. Fernando and S. N. T. De Silva

10.10 a.m. Enhancement of solubility In Eppawala Rock Phosphate Through Bioleaching

T.C. Senevirathna, C.M. Peries and J.T. Cooray

10.30 a.m. Purification of surface graphite from Passyala, Sri Lanka

R.M.U.M. Somarathna and N.W.D. Balasooriya

10.50 a.m. Tea

11.10 a.m. Purification of Meetiyaoda Kaolin for boron free glaze manufacturing

M.H.S. Hussain, S. Medawela and J.T. Cooray

11.30 a.m. Groundwater Contamination around in Paddy Terrace in Badulla; special focus on nutrients and tracer element mobility

W.N.C. Wijenayaka and D.T. Jayawardhana

11.50 a.m. CuO free p-Cu₂O nano-surfaces prepared by oxidizing copper sheets with a slow heating rate exhibiting the highest photocurrent and the H₂ evolution rate

U. S. Liyanaarachchi

12.10 p.m. Use of computational method to identify metal binding sites of chitosan as a tool to investigate the interaction mechanism of chitosan and heavy metals.

S.M. De Silva

Technical Session – Palm & Latex Technology and Value Addition

Day 01: January 29, 2015

Venue: A1 Lecture Theatre

Chairperson: **Dr. V.H.L.Rodrigo**
Additional Director
Rubber Research Institute
Dartonfields
Agalawatta

Panel Members: **Dr. L.C.P. Fernando**
Additional Director
Coconut Research Institute
Bandirippuwa Estate
Lunuwila

Dr. Chandrika N. Perera
Senior Research Officer
Genetic and Plant Breeding Division
Coconut Research Institute
Bandirippuwa Estate
Lunuwila

Dr. Susantha Siriwardena
Principal Research Officer
Raw Rubber Process Development and Chemical Engineering Department
Rubber Research Institute
Ratmalan

Coordinator: ***Ms. H.K.S.G. Gunadasa***

11.00 a.m. Effect of Vulcanizing and Antioxidant systems on aged tensile properties of
MicroOptic Gloves

E.A.S.L Ekanayake, N.S Withanage and P.A.P.N. Jayabodhi

- 11.20 a.m. Property variation of centrifuged latex at different maturity stages in glove manufacturing
I.D.H.C. Iddamalgoda, N.S. Withanage, A.P. Atthanayaka, P.H.S. Kumara and N.R. Weerawansa
- 11.40 a.m. Effect of different types of fillers on properties of natural rubber latex foam
G.T Karunarathna, N. S. Withanage and D.G. Edirisinghe
- 12.00 noon. Factors affecting farmers' willingness to pay for *Jatropha* Biodiesel
P. Sivashankar, J. Weerahewa, D.K.N.G. Pushpakumara, L.W. Galagedara
- 12.20 p.m. Youth perception to undertake the management of small scale rubber plantations
P.H.J. Patabendi and G.M.P.P. Mahindaratna
- 01.00 p.m. – 02.00 p.m. **Lunch**
- 02.00 p.m. Influence of socio economic factors on acceptance of genetically modified foods
Y.A.P.K. Dayasena, P. Sivashankar, and I.C. Hettiarachchi
- 02.20 p.m. Visco-Elastic properties of OMMT filled fractioned Bleached Crepe Rubber
H.G.I.M. Wijesinghe, U.N. Ratnayake, A. Alakolanga and N.S. Withanage
- 02.40 p.m. Effect of canopus 100 processing oil on the blooming effect of solid tyres
N.N.H.A.R. Lathika, S.M.I.P.G Bandara and G. Chandrasena

Poster Presentations

- Study of later separation time duration of coconut milk in storage tanks during coconut milk powder production
K. D. M. L Ranasinghe, W. A. J. P. Wijesinghe, L.L.W.C. Yalagama and K.J. Gamage
- Performance of Coconut Kernel Residue Oil as Processing Oil in Carbon Black Filled Natural Rubber Composites
M. G. L. Samarakoon, N. S. Withanage and S. Siriwaradana

Day 02: January 30 2015

- 09.00 a.m. **Keynote Address**
- 09.30 a.m. Improve the productivity of the soft dough biscuits by regulating the temperature and the quantity of the Palm olein.
K.W.A. Bandara, W.A.J.P. Wijesinghe and J.M.S.C. Samarasinghe
- 09.50 a.m. Development of Activated Carbon Included Natural Rubber Latex Pillow
B.A.D.U.P. Bulathsinghala, U.H.T.P. Samaraweera and N.S. Withanage
- 10.10 a.m. Effect of Palmyrah Coir Dust on Physicochemical Properties of Potting Media and on Growth and Yield of Chilli
S. Puthisigamani, A.M. Nilushiny, S. Sri Vijeindran, H.A.S.L Jayasinghe and H. K. S. G. Gunadasa
- 10.30 a.m. Effect of Graphite Derivatives on Mechanical and Functional Properties of Nitrile Rubber Nanocomposite
P. C. Rajapaksha, U.N.Rathnayake, A. Alakolanga and N.R. Weerawansa
- 10.50 a.m. **Tea**
- 11.10 a.m. Optimization the Physical Properties of Carbon Black Filled Tread Compound by Replacement With Silica
W.P.M.D.A Perera, A.G.A.W Alakolanga, A.N.R Weerawansa and S. Kularathna
- 11.30 a.m. Studies on Copra Drying for White Coconut oil Production
N. K. W. Wijedasa, G. Chandrasena, Ms. S. M. I. P. G. Bandara and S. Silva

Technical Session – Science & Technology

Day 01: January 29, 2015

Venue: D1 Lecture Theatre

Chairperson: Dr. K.B. Wijesekara
Head /Department of Science and Technology
Uva Wellassa University
Badulla

Panel Members: **Dr. W.A.P. J. Premarathne**
Senior Lecturer/ Department of Chemistry
Faculty of Science
University of Kelaniya
Kelaniya

Dr. B.A.J.K. Premachandra
Senior Lecturer / Department of Science & Technology
Faculty of Science & Technology
Uva Wellassa University
Badulla

Dr. (Ms.) D.D.C. Wanniarachchi
Senior Lecturer/ Department of Science & Technology
Faculty of Science & Technology
Uva Wellassa University
Badulla

Coordinator: ***Ms. C.M. Peries***

11.00 a.m. Coconut Shell Activated Charcol as a counter Electrode for a Novel- Dye

K.A.S.K. Hemachandra and C.A.N. Fernando

- 11.20 a.m. Assessment of oil yield and oil quality in cinnamon Landmine contaminated area scanning robot
M.M.G.T.L. Seneviratne, T. Ekanayake and P.N. Wijesooriya
- 11.40 a.m. Role of Microorganisms against hydrocarbon contamination: Bioremediation
S.M. Wickramasinghe Arachchi, M.M.E. Munasinghe, S.T. Sabaragamukorale, S.S. Abeygunaratne, W.W.P. Rodrigo, D.P.D.C. De Silva, K.S.L. Dalpatadu, S.G. Senaratne and P.A.D.H.N. Gunathilaka
- 12.00 noon Characterization of zero valent iron used for nitrate removal in drinking water
K. Shailaja and R. Weerasooriya
- 12.20 p.m. Development of apparatus for the synthesis of carbon nanotubes (CNTs)
K.L.C.D. Senevirathne and A.R. Kumarasinghe
- 12.40 p.m. Development of automated weather station: three cup anemometer and tipping bucket rain gauge
B.C. Liyanapathirana and T.D.K.U. Chathuri and W.K.I.L. Wanniarachchi
- 01.00 p.m. – 02.00 p.m. Lunch
- 02.00 p.m. Radio frequency remote controller for domestic AC loads
K.G.H.A Somasiri and W.K.I.L. Wanniarachchi
- 02.20 p.m. The Arduino controlled incubator to control temperature and humidity
S. Selvanigethan, W.K.I.L. Wanniarachchi and R.M.T.C.B Ekanayake
- 02.40 p.m. Development of manioc (*Manihot esculenta*) based nutra mix
S.F. Faheema, B.M. K.S. Thilakeratne and E.P.S.K. Ediriweera
- 03.00 p.m. Structure modification of mefenamic acid and evaluate their bioactivities
J.M.S.S. Jayamaha, U.L.B. Jayasinghe, N.S. Kumari and E.P.S.K. Ediriweera
- 03.20 p.m. Antioxidative properties and *Lactobacillus* population in traditional Sri Lankan pickle during fermentation

K.S. Madushanki, R. Liyanage and C. Jayathilake

03.40 p.m. Degradation of vulcanized natural rubber using highly unsaturated soybean and sesame oils

R.M.M.D. Rathnayake and C.K. Jayasooriya

04.00 p.m. Market orientation of firm in food processing industry: Effect of Outside in capabilities

K.N. Kalupahana, K.W.S.N. Kumari and W.M.P.G.C. Weerakoon

Poster Presentation

- Development of light weight bricks using red clay and rice-husk
G. Vyshnavi, J. Pitawala, D.D.C. Wanniarachchi and H. M. T. G. A. Pitawala
- Anticoagulant activity, Antibacterial activity and Toxicity effect of selected plant in Asteracea family
H.S.U. De Silva, K.B. Wijesekara and S.N. Premathilake
- Evaluating the Potentials of Adopting Cleaner Production Techniques to Reduce the Manufacturing Cost of Rice flour and Coffee
T.P. Wijesingh, E.P.S.K. Ediriweera and V.R.S Peris
- Effect of heat moist treatment on functional properties of rice flour of selected traditional rice varieties in Sri Lanka
R. Chandrani, C.M. Pries, K.B. Wijesekara and S.B. Navarathna
- The Persistence of Vision (POV) LED Globe
R.M.C.P. Karunarathna, T. Ekanayaka, and W.K.I.L. Wanniarachchi
- Wireless Gesture Control Vehicle
S.M.B.P.B. Samarathunga, and W.K.I.L. Wanniarachchi

Day 02: January 30, 2015

Chairperson: Prof. H.M.D.N. Priyantha
Director/ Post Graduate Institute of Science
University of Peradeniya
Peradeniya

Panel Members: **Dr. W.A.P.J. Premarathne**
Senior Lecturer / Department of Chemistry, Faculty of Science
University of Kelaniya
Kelaniya

Dr. B.A.J.K. Premachandra
Senior Lecturer / Department of Science & Technology
Faculty of Science & Technology
Uva Wellassa University
Badulla

Dr. R.R. Rathnayake
Research Fellow
Institute of Fundamental Studies
Kandy

Coordinator: **Ms. C.M. Peries**

09.00 a.m. **Keynote Address by Prof. H. M. D. N. Priyantha**
“Academic Contribution for National Development”

09.30 a.m. Preparation and properties of in-situ precipitated silica filled rubber composite
H.P. Amarathunga and C. K. Jayasuriya

09.50 a.m. Development of a mosquito- repelling paint

T. Kanagasundram and C. K. Jayasuriya

10.10 a.m. Investigation on the use of coconut shell powder replacing carbon black as filler in natural rubber

T. Tharmaratnam and J.K. Premachandra

10.30 a.m. Effect of substrate on biochemical expression of bacterial biofilm

N.A.D. Lakmali, G. Senevirathne, I.D.S. Sinhalage and E.P. S. K. Ediriweera

10.50 a.m. Tea

11.10 a.m. Phytoremediation potential of *Brassica juncea* Ac.1774 for mitigation of Cu (II) and As (V)

H.M.S.D. Herath and K.B. Wijesekara

11.30 a.m. Enhancement of physical properties of natural rubber vulcanizates by incorporating rice husk ash with carbon black as a filler

M. Gnanasubramaniam and J. K. Premachandra

11.50 a.m. Effect of TiO₂ nano filler on ionic conductivity of poly (ethylene oxide) based gel polymer electrolyte for magnesium ion batteries

R.A. Jayarathne, H.M.J.C. Pitawala and M.A.K.L. Dissanayake

12.10 p.m. Synthesis and characterization of sodium ion conducting solid polymer electrolytes based on poly ethylene oxide

W.A.A.E.B. Wanithunga, H.M.J.C. Pitawala and V.A. Senevirathne

12.30 p.m. An assessment of the possibility of process modification for crumb products from manual packing to a semi-automated products

H.S.S. Fernando, I. Wickramasinghe and N. Lalantha

Technical Session – Tea Technology and Value Addition

Day 01: January 29, 2015

Chairperson **Prof. Cyril Bogahawatte**
Post Graduate Institute of Agriculture
University of Peradeniya

Panel Members **Dr. K.M. Mevan**
Senior Research officer
Biochemistry Division
Tea Research Institute
Thalawakele

Dr. R.M. Dharmadasa
Senior Research Officer
Natural Product Division
Industrial Technology Institute
No 363, Bauddhaloka Mawatha
Colombo 7

Dr. K.G. Premathilake
Senior Lecturer/ Department of Export Agriculture
Uva Wellassa University
Badulla

Coordinator **Ms. R.M.S.D. Rathnayake**

11.00 a.m. Impact of good agricultural practices on technical efficiency of Tea small holders

T.B.Y.A. De Silva and R. M. S. D. Rathnayaka

11.20 a.m. Factors affecting on tourists' buying behaviour of Ceylon Tea

M.N.C. Mudhannayake and M. G. P. P. Mahindaratne

- 11.40 a.m. Determinants of poverty in Tea estate workers in Nuwara Eliya district
K.M.D.L. Wijerathne, H. W. Shyamalie, B. M. N. C. Karunarathna, H. M. C. G. Pilapitiya and R. A. P. I. S. Dharmadasa
- 12.00 noon. Remittance and investment of Tea small holders in Uva region
W.C.S. Wijayalathge and R.A.P.I.S. Dharmadasa
- 12.20 p.m. Awareness and adoption of recommended technologies and management practices by the Tea small holders
W.A.B.S. Karunarathna and M. G. P. P. Mahindaratne
- 12.40 p.m. Analysis of factors affecting for Tea buyers' level of trust on Tea brokers
L.P. Rathnayaka, R. M. S. D.Rathnayaka and D.Wedande
- 01.00 p.m. –02.00 p.m. **Lunch**
- 02.00 p.m. Development of Green Tea incorporated Ayurvedic toothpaste
D. N. C. Ranasinghe, A.G.A.W. Alakolanga and M.P.M. Arachchi
- 02.20 p.m. Effect of Black Tea adulteration on quality parameters of Black Tea
N.L.V.N. Priyadharshana, H.M.S.K. Herath and M.A.N. Jayathilake
- 02.40 p.m. Effect of thermal time on shoot growth and development of low grown Tea [*Camellia sinensis* (L.) O. Kuntze] in Sri Lanka
P. K. M. Prasadinie, H.A.S.L. Jayasinghe and M.A. Wijeratne
- 03.00 p.m. Investigating the causes for poor control of *Crassocephalum crepidioides* (Thandam pillu) weed by Glyphosate in the Uva region
A.G.S. Priyani and K.G. Prematilake
- 03.20 p.m. Development of Tea Incorporated Jackfruit Cordial
A.G.C. Dulanjalee and W.A.J.P. Wijesinghe

03.40 p.m Factors affecting the level of effectiveness of dryers used in Sri Lanka tea manufacturing
W.K.T. Ruwanka, N.S. Withanage and A.N.K. Weerawansa

Poster Presentation

- Clientele Satisfaction towards the Services Rendered by Government to the Tea Small Holding Sector
H.A.C.M. Hangawatta and M.G.P.P. Mahindaratne
- Determinants of Income Diversification in Tea Estates Households, Badulla District
M. K. Hewavitharana, R. A. P. I. S. Dharmadasa, I.M.R.L.K. Ilankoon and S.U. Senevirathne
- Firewood Energy Utilization in Different Dryers used in Tea Processing
N.H.K.Chathurangi, N.S. Withanage, A. N. R. Weerawansa and M.M.R. Pathmasiri
- Protocol for callus induction of *Camellia japonica* L. (Tea rose)
H.L.T. Dilrukshika and L.M.H.R. Alwis
- Distribution and accumulation of selected heavy metals in Tea plants
W. W. A. S. N. Fernando and A.G.A.W. Alakolanga

Day 02: January 30, 2015

Chairperson Dr. Kumuduni Gunasekara
COSSTI
Colombo

Panel Members Dr. R.M. Dharmadasa
Senior Research Officer
Natural Product Division
Industrial Technology Institute
No 363, BauddhalokaMawatha
Colombo 7

Dr. K.G. Premathilake
Senior Lecturer/ Department of Export Agriculture
Uva Wellassa University

Dr. W.A.J.P. Wijesinghe
Senior Lecturer/ Department of Export Agriculture
Uva Wellassa University

Coordinator *Ms. R.M.S.D. Rathnayake*

09.00 a.m. **Keynote Address by Dr. Nimal Dissanayake**

09.30 a.m. Effect of Tea bag materials on physical and chemical quality parameters of
Black Tea during storage **P.C.S.**
Pathirana, A.G.A.W. Alakolanga and U.D.A.T. Premathilake

09.50 a.m. Development of a biscuit Enriched with Tea polyphenols
K. Parththipan, W. A. J. P Wijesinghe, M.P.M. Arachchi and G. Deivanayagam

- 10.10 a.m. Development of Black Tea incorporated Tomato sauce
D.W.N.G. Bandara, W.A.J.P. Wijesinghe, U.G.A.T. Premathilake and B. Balamurali
- 10.30 a.m. Development of Green Tea Incorporated Instant Herbal Porridge Mixture
M.A.U.P. Munasinghe, W.A.J.P. Wijesinghe and P. U. S. Pieris
- 10.50 a.m. Tea**
- 11.10 a.m. Effect of Dolomite application on available phosphorus status in Tea Soils
S. Kavitha, K. Prapagar and G.P. Gunarathne
- 11.30 a.m. Determinants of absenteeism in tea plantation workers (Case study in selected tea estate in Badulla)
R. M. P. S Rathnayake and R. A. P. I. S Dharmadasa