

Schedule of the Scientific Sessions
 38th Annual Sessions of the Institute of Biology, Sri Lanka
 28th September, 2018 at the Hector Kobbekaduwa Agrarian Research & Training Institute (HARTI)
 114, Wijerama Mawatha, Colombo 07.

Parallel Session 01- Fauna & Environment

Time	Abstract Number	Title
1.30 pm	1-01	Comparison of the thermal sensitivities of two native anuran species. <i>H.A.D. Pramodya, H. Jayaweera and Mayuri R. Wijesinghe</i>
1.45 pm	1-02	Preliminary investigation of serum creatinine (SCr) and β 2-microglobulin in farming and fishing communities in the dry zone, Sri Lanka: Implications on Chronic Kidney Disease of unknown etiology (CKDu). <i>W.A.K.G.Thakshila, E.M.D.V Ekanayake, E. P. S. Chandana, P. Mangala C. S De Silva</i>
2.00 pm	1-03	Growth performances and survival of Siamese fighting fish, <i>Betta splendens</i> (Regan 1910) under three formulated feeds with different sources of animal protein. <i>M.D.R.Madduma and M. Hettiarachchi</i>
2.15 pm	1-04	Limnological characterization of <i>Anopheles stephensi</i> breeding sites in Mannar and Jaffna. <i>Arthiyian Sivasingham, Kokila Sivabalakrishnan, Tibutius T. P. Jayadas, Kalingarajah Karvannan, Sharanga Santhirasegaram, Meena Senthilnathanan, Umasuthan Srivigneswaran, Sinnathamby N. Surendran</i>
2.30 pm	1-05	EGFR mutations in lung adenocarcinoma: development of an economical method for the detection of SNPs at exon 20 and exon 21. <i>Asitha Nuwan Premaratne, N. Jayekumaran, Inoka C. Perera</i>
2.45 pm	1-06	Impact of temperature increase attributed to climate change on survival, growth, morphometrics, and development of <i>Polypedates cruciger</i> (common hourglass tree frog). <i>W.A.M.T Weerathunga and R.P.G.K. Rajapaksa</i>
3.00 pm	1-07	Effects of five medicinal plant products on survival and progeny development of cowpea Bruchid, <i>Callosobruchus maculatus</i> (Fab.) infesting cowpea seeds in storage. <i>S.M.J.C.K.Jayasundara and G.A.S.M. Ganehiarachchi</i>
3.15 pm	1-08	Investigation of heavy metals in the maturation pond of Biyagama export processing zone. <i>P. Bandara, KM Nalin De Silva, D. Gunathillake, D.D. Wickramasinghe</i>
3.30 pm	1-09	SDS PAGE electrophoresis-based profiling of <i>Echiscarinatus</i> venom from Sri Lanka. <i>M.G.B Gunasena, A. Gnanathanan and P. V. Udagama</i>
3.45 pm	1-10	Shape variation in relation to predation and other habitat features in selected guppy (<i>Poecilia reticulata</i>) populations of Sri Lanka – a preliminary study. <i>R.G.D.R. Jayawikrama, K.B.S. Gunawickrama, B. Diaz-Pauli, Mikko Heino</i>
T	E	A

4.00 pm	1-11	Selected serum cytokines as potential biomarkers of Colorectal cancer. <u>Q.Peiris, S. Seneviratne, C. Fernando and P. Udagama</u>
4.15 pm	1-12	Is Catalase KatE activity a survival mechanism of <i>Leptospira interrogans</i> ? <u>N.P. Barupala, N. Fernando, Shiroma M. Hadunnettia and Sunil Premawansa</u>
4.45 pm	1-13	Evidence of different isolates of <i>Pratylenchus loosi</i> in Sri Lanka based on morphometric characterization. <u>P. G. D. S. Amarasena, K. M. Mohotti, D. M. De Costa and A. K.Prematunga</u>
5.00 pm	1-14	Unlike <i>Dillenia suffruticosa</i> (Griff. ex Hook.f. & Thomson) Martelli, daytime changes in flower colour of <i>Melastomata malabathricum</i> (L.) Smith maintain bee visitation throughout the day. <u>K.M.G.M.R. Kariyawasam, S.M.W. Ranwala, W.B. Yapa</u>
5.15 pm	1-15	Assessment of capture efficiency of different sampling techniques in sampling dry cave fauna in Sri Lanka. <u>A.L.A.N.N. Perera, C.D. Dangalle and Wipula B. Yapa</u>

Parallel Session 02 – Microbes & Biochemical

Time	Abstract Number	Title
1.30 pm	2-01	<i>In vitro</i> antifungal activity of <i>Cymbopogon citratus</i> (lemongrass) and <i>Syzygium aromaticum</i> (clove) oils on the Stem-end rot pathogen - <i>Lasiodiplodia theobromae</i> from mango. <u>G. C. M. Ekanayake, T. D. Kodituwakku, K. P. Abeywickrama</u>
1.45 pm	2-02	Preliminary physiological characterization and genetic diversity assessment of the Rhizobial populations inhabiting <i>Gliricidia sepium</i> in selected locations of Ampara district, Sri Lanka. <u>P.W.I. Nawanjana, Sanath Rajapakse</u>
2.00 pm	2-03	Partial purification and characterization of chitinases from pitcher fluid of <i>Nepenthes distillatoria</i> . <u>R.W.K.M. Senevirathna, V.N. Seneviratne, Sanath Rajapakse</u>
2.15 pm	2-04	Antifeedant activities of endophytic fungi of <i>Cyperus iria</i> collected from Matale District on <i>Plutella xylostella</i> (Diamond Back Moth) larvae. <u>J.M.N.M. Jayasundara, P.B. Ratnaweera, K.M.D.W.P. Nishantha and E.D. de Silva</u>
2.30 pm	2-05	Comparative GC-MS identification of value added coconut oil <u>D.L.S.M. Jayaratne, W.A.D.D. Wasalamuni, T.D.C.M.K. Wijayasiriwardena</u>
2.45 pm	2-06	Cyto-genotoxicity and quality of sediments in Dandugan Oya, Sri Lanka. <u>L.G.Y.J.G. Wadasinghe and W.M.D.N. Wijeyaratne</u>
3.00 pm	2-07	Isolation and identification of probiotic yeast from goat milk. <u>S.A.C.L. Ranatunga, D.U. Rajawardana, H.A.D.Ruwandeeepika</u>
3.15 pm	2-08	Evaluation of dye decolorization capability of laccase producing fungi. <u>M. M. P. Shashikala, P. Wijesinghe and R. N. Attanayake</u>
3.30 pm	2-09	Etiology and thiophanate methyl resistance of a <i>Fusarium</i> spp. causing wilt of beans in Badulla district, Sri Lanka. <u>M. D. I. H. Seneviratne, R.N. Attanayake</u>
3.45 pm	2-10	Spatial distribution of corticolous lichens with respect to ambient air quality in Kegalle urban council area. <u>M.D.N.R. Dayananda, M.D.M.D.W.M.M.K. Yatawara</u>
T	E	A
4.00 pm	2-11	Comparative analysis of solvent-free microwave extraction and hydro distillation of essential oil from leaves of <i>Cinnamomum zeylanicum</i> Blume. <u>R.A.G.N. Ranatunga, H.D.S.M. Perera, V.S. Bandara and R. Samarasekera</u>
4.15 pm	2-12	<i>In vitro</i> pro-inflammatory enzyme inhibitory activities of <i>Artocarpus altilis</i> . <u>G.D. Liyanarachchi, R. Samarasekera R*, K.R.R. Mahanama, K.D.P. Hemalal</u>
4.45 pm	2-13	Biocontrol potential of endophytic fungi associated with weedy and wild rice species in Sri Lanka. <u>Y De Silva and K.G.S.U. Ariyawansa</u>
5.00 pm	2-14	An outbreak of rotting disease on <i>Dendrobium</i> in Sri Lanka. <u>W.G.H. Jayalath and R.N. Attanayake</u>
5.15 pm	2-15	Morphological and molecular characterization of cyanobacteria in Maha Oya hot springs in Sri Lanka. <u>D. G. S. N. Samarasinghe, R. P. Wanigatunge, H. M. Herath, D. N. Magana-Arachchi</u>

Parallel Session 03- Flora & Environment

Time	Abstract Number	Title
1.30 pm	3-01	A comparative analysis of the total phenolic and flavonoid contents and some antioxidant activities of <i>Centella asiatica</i> (Centella), <i>Coccinia grandis</i> (Ivy Gourd) and <i>Costus speciosus</i> (Crepe Ginger) in Sri Lanka. <u>Y. A. Jayasinghe and S. Dias</u>
1.45 pm	3-02	A preservative holding solution to enhance vase life and postharvest quality of Rosa hybrid var. 'Red Sky' (Red rose) cut flowers <u>H. P. H. C. Premarathna and P. S. Saputhanthri</u>
2.00 pm	3-03	Floristic diversity of Kikiliyamana mountain in Sri Lanka. <u>S.M. Pawuluwage, A.T.N. De Silva, H.S Kathriarachchi and A.M.A.S. Attanayake</u>
2.15 pm	3-04	Vegetative and reproductive trait analysis to characterize pepper (<i>Piper nigrum</i> L.) accessions from four districts in Sri Lanka. <u>W. G. N. A. Wimalarathna, T. D. Silva</u>
2.30 pm	3-05	Meteorological and Hydrological drought analysis in Attanagalu Oya basin. <u>Devanmini Halwatura</u>
2.45 pm	3-06	Non-host status of forest tree species for <i>Pratylenchus loosi</i> and <i>Radopholus similis</i> affecting tea in low grown areas in Sri Lanka. <u>K. M. Mohotti, A. K. Prematunga and P. G. D. S. Amarasena</u>
3.00 pm	3-07	Adverse effects of induced high temperature stress and water stress on tissue cultured banana plants (AAA Cv Cavendish) <u>K.I.C. Amarasinghe, C.S De Silva and L.K.R.R. Jayakody</u>
3.15 pm	3-08	Study on Chalcone synthase and Chalcone isomerase partial coding sequences of selected Dendrobium cultivars. <u>R. P. I. V. Somasiri, H. M. Herath, S. P. Senanayake</u>
3.30 pm	3-09	Efficacy of powdered mature leaves of Terminalia arjuna in reducing the nitrate - N and total hardness of the domestic well water in Kondavil area, Jaffna Peninsula, Sri Lanka. <u>M. Shanthamareen and W.M.D.N. Wijeyaratne</u>
3.45 pm	3-10	Propagation of <i>M. dioica</i> using <i>in vitro</i> embryo and cotyledon culture. <u>D.S. Vanrooyen, T. D. Silva</u>
T	E	A
4.00 pm	3-11	Impact of <i>Bamboosa vulgaris</i> plantations on soil properties under Sri Lankan eco-climatic setting. <u>W.A.R.T.W. Bandara, S.A.N.M. Senanayake, K.J.R. Madhubhashini, J.K.P. Jayawardana, K.A.D.D. Chandimali</u>
4.15 pm	3-12	Plant DNA barcoding of rbcL gene for eight endemic plant species of Dipterocarpaceae family for authentication. <u>R.D.B. Lavensan, N.P.S.K. Niroshana, H.H.K. Achala, W.W.P. Rodrigo, W.T.G.S.L. Withana, A.A.M.A.S. Attanayake, J.K.R.R. Samaresekera, A.M.M.H. Athapaththu</u>
4.45 pm	3-13	Floristic investigation of the Wawekele Forest, Seethawakapura, Avissawella. <u>Masha Nishadi Matharage and Sudheera M.W. Ranwala</u>
5.00 pm	3-14	Leaf functional characteristics vary among of weedy <i>Panicum</i> L. species. <u>Dinuka Rukshan Witharana and Sudheera M.W. Ranwala</u>
5.15 pm	3-15	Use of bio char for the improvement of soil nutrient status of Calcic Red Yellow Latasol soil in Jaffna district of Sri Lanka for onion cultivation <u>Theepa Rageendrathas and C.S.De Silva</u>

