

Schedule of the Scientific Sessions

35th Annual Sessions of the Institute of Biology, Sri Lanka
25th September, 2015 at Sri Lanka Institute of development Administration (SLIDA)

Parallel Session 01

Time	Abstract Number	Title
1.00 pm	1-01	Crown/Tree cover of Viharamahadevi Park, Colombo B.D. Madurapperuma and K.A.J.M. Kuruppuarachchi
1.15 pm	1-02	The responses of nursery plants of <i>Camellia sinensis</i> (L.) O. Kuntze to shade M S A E Cooray and H I U Caldera
1.30 pm	1-03	Utilization of Morphological and Growth related traits for identification of water stress tolerant <i>Camellia sinensis</i> L. O. Kuntze cultivars prior to field planting H.M.Y.E.Herath, H.I.U.Caldera
1.45 pm	1-04	Comparative study of <i>Pongamia pinnata</i> , <i>Annona glabra</i> and <i>Moringa oleifera</i> extracts on growth performances of <i>Basella alba</i> L. (Spinach) T. H. Kahagalla and R. M. C. S. Ratnayake
2.00 pm	1-05	Quantitative vegetation study in Namunukula forest A G S Arambawaththa, H S Kathriarachchi, A M A S Attanayake, Y S Athugala
2.15 pm	1-06	Potential of the common liverwort <i>Riccia sorocarpa</i> Bisch. as a bioindicator of selected heavy metals in the growth medium K Vignarasa, L N S Liyanage, K M Mohotti and P S Saputhanthri
2.30 pm	1-07	A protocol to preserve flower texture N P S N Karunarathne and P S Saputhanthri
2.45 pm	1-08	<i>In vitro</i> propagation of the thalloid liverwort <i>Riccia sorocarpa</i> Bisch. N N Munasinghe, L N S Liyanage and P S Saputhanthri
3.00 pm	1-09	Influence of <i>Chromolaenaodorata</i> leaf extracts on seed germination, seedling growth and growth performance of <i>Abelmoschus esculentus</i> L. (Okra) and <i>Vigna unguiculata</i> L.(Bushita) V.W. Rathnayake and R.M.C.S. Ratnayake
3.15 pm	1-10	Floristic Diversity of Thotupolakanda Upper Montane Rain Forest. Harasgama. H.D.R.V.L., Ratnayake. R.M.C.S. ,Attanayake. A. M. A and M.P.T. Wijewickama
T	E	A
4.00 pm	1-11	<i>Acacia auriculiformis</i> (Fabaceae), a threat to mangrove forest in Rekawa lagoon Sri Lanka: A case study Madarasinghe SK., Kodikara KAS., Dissanayake NP., Jayatissa LP.
4.15 pm	1-12	A preliminary study on nutritional quality of an indigenous rice variety (Kuruluthuda) and a hybrid rice variety (BG 358). P G I J Gamage and M D Amarasinghe
4.30 pm	1-13	Effect of fungal endophyte <i>Arthrographis</i> on growth of rice varieties Herath Banda and Bg352 P V A R Ponnawila and N. Deshappriya
4.45 pm	1-14	Efficacy of liquid organic fertilizers on growth of <i>Anthurium andraeanum</i> L. J.M.N.P. Jayasundara, L.R. Jayasekara and R.M.C.S. Ratnayake
5.00 pm	1-16	Assessment of invasion of <i>Najas marina</i> , Linnaeus 1753 in Madu Ganga Estuary, Sri Lanka using ASTER data of Terra satellite T. M. S. D. G. Silva, D. D. G. L. Dahanayaka and M. J. S. Wijeyaratne

Parallel Session 02

Time	Abstract Number	Title
1.00 pm	2-01	Climatic and soil preferences of tiger beetles(Coleoptera, Cicindelidae)of Sri Lanka Agasthya Thotagamuwa, Chandima D. Dangalle, Nirmalie Pallewatta and Erandathie Lokupitiya
1.15 pm	2-02	Survey of molluscan shells from the Jaffna Estuary, Sri Lanka. Dorin Arohani Reval and Abyerami Sivaruban
1.30 pm	2-03	Enhancement of immunity in cultured shrimp, <i>Penaeus monodon</i> induced by <i>Achyranthes aspera</i> (Sin. Karal heba, Family: Amaranthaceae)compared to a commercial immune enhancer K.V.D.H.R.Karawita and M.Hettiarachchi
1.45 pm	2-04	Protection of cultured shrimp, <i>Penaeus monodon</i> from white spot disease (WSD) with enhanced immunity induced by <i>Achyranthes aspera</i> (Family Amaranthaceae) compared to a commercial immune enhancer K.V.D.H.R.Karawita and M.Hettiarachchi
2.00 pm	2-05	Possibility of preventing Acute Hepatopancreatic Necrosis Disease (AHPND), a killer disease in cultured shrimp caused by a unique strain of <i>Vibrio parahaemolyticus</i> if the strain enters into Sri Lankan culture systems M. Hettiarachchi, D. C. Hettiararchi and K.R.P.S. Kumara
2.15 pm	2-06	Selection of White Spot Virus (WSV) and Monodon Baculo Virus (MBV) free brood stocks of cultured shrimp, <i>Penaeus monodon</i> from Sri Lankan coastal sea to produce healthy post larvae K.R.P.S. Kumara and M. Hettiarachchi
2.30 pm	2-07	A simplified version of <i>ex ovo</i> cultivation method of chicken embryos as a model for evaluating venom toxicity Madhushika M Silva ,Charitha L Goonasekara, Sampath S Senevirathne, Devaka K Weerakoon
2.45 pm	2-08	Occupational Paraquat exposure among sugarcane and vegetable farmers in Sri Lanka: A case studyK. S. Mohammed Abdul, D. V. Eakanayake, T. D. K. S. C. Gunasekara, H. A. S. D. Perera,B. C. J. De Silva, C. Jayasumana, E. P. S. Chandana, S. S. Jayasinghe and P. M. C. S. De Silva
3.00 pm	2-09	Establishing dietary and faecal relationships for crude protein and crude fibre in selected native herbivorous mammals in Sri Lanka A.U. Jayawardhana, C. V. Nelundeniya, R. D. Wijesekera and M. R. Wijesinghe
3.15 pm	2-10	<i>In vivo</i> antioxidant activity of mature leaf concentrate of Sri Lankan wild type <i>Carica papaya</i> .L variety against carbon tetra chloride induced oxidative stress in rats Chanika D Jayasinghe, Wanigasekara D Ratnasooriya and Preethi V Udagama
T	E	A
4.00 pm	2-11	Modulation of <i>in vitro</i> phagocytic activity, cell proliferation and cytokine production in the Wistar rat model by a Sri Lankan <i>Haliclona</i> (<i>Soestella</i>) sp sponge crude extract Varuni K Gunathilake, Wanigasekara D Ratnasooriya and Preethi V Udagama
4.15 pm	2-12	Nest occurrence, mean nest density and relative nest abundance of <i>Aneuretus simony</i> Emery and associated ant fauna in Meethirigala Forest Reserve R. K. S. Dias and W. S. Udayakantha
4.30 pm	2-13	An investigation of sex differences in feeding and vigilance behaviour in human langurs using fractal analysis. Sanduni Malluwawadu, Kaushalya Premachandra, Rajnish Vandercone
4.45 pm	2-14	Assessment of environmental pollutants using fledgling feathers of Little egret (<i>Egretta garzetta</i>) as a bio monitoring tool in Sri Lanka R L Jayaratne, I C Perera, D K Weerakoon, and S W Kotagama
5.00 pm	2-15	Comparison of Larvicidal and Repellent efficacy of <i>Ocimumbasilicum</i> (L.); "Maduruthala", leaves and pods, against dengue vector, <i>Aedesaegypti</i> (L.). W.L.B.P.Abhayawickrama, G.A.S.M.Ganehiarachchi and P.A.Paranagama

Parallel Session 03

Time	Abstract Number	Title
1.00 pm	3-01	Superoxide and nitric oxide radical scavenging activities of bark and leaf of Ceylon cinnamon (<i>Cinnamomum zeylanicum</i> Blume) <i>in vitro</i> . W. P. K. M Abeysekera, G. A. S Premakumara and W. D Ratnasooriya
1.15 pm	3-02	Antioxidant properties of brans of twenty nine rice (<i>Oryza sativa</i> L.) varieties of Sri Lanka. W.K.S.M. Abeysekera, U.K.D.S.S. Gunasekara, G.A.S. Premakumara, W.P.K.M. Abeysekera ¹ and P. Ranasinghe
1.30 pm	3-03	Comparative GC-MS Study of Chemical Constituents in essential oils of Ceylon Cinnamon (<i>Cinnamomum zeylanicum</i> Blume) Bark Oils Collected from Different Geographical Locations H.D.Weeratunge, S.K. Ganegamage and G.A.S.Premakumara
1.45 pm	3-04	Inhibitory Effect on Human Leukemia (HL-60) Cancer Cell Proliferation via Caspase-3 mediated Apoptosis by <i>Costus speciosus</i> (Koen.) Sm. Leaf Extract Kalpa W. Samarakoon, H.H. Chaminda Lakmal, Prasad Tharanga Jayasooriya and You-Jin Jeon
2.00 pm	3-05	Microsatellite markers reveal the spatial genetic structure of dengue vector <i>Aedes aegypti</i> in selected areas in Colombo district M. D. Nirmani, K. L. N. Perera and G. H. Galhena
2.15 pm	3-06	Nutritional composition, fatty acid profile and antioxidant activity of selected traditional rice (<i>Oryza sativa</i> L.) varieties of Sri Lanka Y Sutharsana, M.D.W.Samaranayake, W K S M Abeysekera and H M T Herath
2.30 pm	3-07	Chemical composition of western province of inflorescence of <i>Alpinia calcarata</i> Rosc. (Zingiberaceae) Grown in Sri Lanka Ganegamage S.K. and Arawwawala L.D.A.M.
2.45 pm	3-08	Ethyl Methyl Sulfonate (EMS) induced Herbicide Resistance in Seed-derived rice (<i>Oryza sativa</i>) callus E M S I Ekanayaka, S R Weerakoon, T D Silva, S Somaratne
3.00 pm	3-09	Antimicrobial potential of the endophytic fungal extracts of <i>Mangifera zeylanica</i> (<i>Anacardiaceae</i>), an endemic plant of Sri Lanka, against selected pathogenic bacterial species Senevirathna, H.D.A.A, de Silva, E.D., Wijayarathna, C.D., Wijesundara, R.L.C
3.15 pm	3-10	Sequence changes responsible for C ₃ to C ₄ transition of Phosphoenolpyruvate carboxylase (PEPC) of cereals at the DNA and protein levels using bioinformatics tools N. M. P. M. Nawarathna, T.L.S. Tirimanne
T	E	A
4.00 pm	3-11	Feasibility of using Exon-Primed Intron-Crossing (EPIC) markers to detect the genetic variation of a dengue vector in Sri Lanka M. D. Nirmani, K. L. N. Perera and G. H. Galhena.
4.15 pm	3-12	<i>In vitro</i> Anti-5-lipoxygenase, anti-hyaluronidase and anti-oxidant properties of ethanol leaf extract of <i>Diospyros ebenum</i> . Perera H.D.S.M, Samarasekera R., Handunnetti S., Weerasena O.V.D.S.J.

4.30 pm	3-13	Antioxidant properties of leaves of <i>Aporosa lindleyana</i> Baill. (Kebella) S. Kathirgamanathar, D. M. K. P. Weerasinghe, W. P. K. M Abeysekera, P. Ranasinghe and A. M. C. U. Binduhewa
4.45 pm	3-14	Isolation and cloning of thermostable alpha amylase gene for the production of recombinant enzyme for industrial purposes Thiwanka M.S., Rodrigo W.W.P., Achala H.H.K., Athapaththu A.M.M.H., Gunathilaka P.A.D.H.N.
5.00 pm	3-15	A phylogenetic analysis of <i>Dinopium</i> woodpeckers in Sri Lanka using Cyt b and COI nucleotide sequences (Aves: Piciformes) Saminda P. Fernando and Sampath S. Seneviratne

Parallel Session 04

Time	Abstract Number	Title
1.00 pm	4-01	Comparison of four DNA extraction methods for target bacteria found in bovine milk for large scale detection of mastitis pathogens. RMPCD Rajapaksha, D Senavirathna, IC Perea, DK Weerakoon, CM Nanayakkara
1.15 pm	4-02	Rice Rhizosphere Manipulation with <i>Trichoderma virens</i> for Effective Phosphorous Management P. N. Gallage, C. M. Nanayakkara and D. N. Sirisena
1.30 pm	4-03	Screening of Native Actinomycetes for Potential Antimicrobial Activity L. D. W. Kekulandala, C. M. Nanayakkara
1.45 pm	4-04	Morphological and reproductive characterization of <i>Colletotrichum</i> spp. causing anthracnose of papaya in Sri Lanka S Rasakulendran, R L C Wijesundara and C M Nanayakkara
2.00 pm	4-05	Antibiotic Sensitivity of <i>Bacillus thuringiensis</i> strains isolated from Sri Lanka Baragamaarachchi R. Y. , De Silva Kande Y, Weerasena O. V. D. S. J. and Samarasekara R.
2.15 pm	4-06	Multivariate discrimination of inflorescence characters in conserved <i>Cocos nucifera</i> L. var. <i>typica</i> Germplasm in Sri Lanka. K.N.S. Perera, D.P.S.T.G. Attanayaka and S.A.C.N. Perera
2.30 pm	4-07	Screening of rice for resistance against <i>Xanthomonas oryzae</i> pv. <i>Oryzae</i> through anther culture K.A.S.R.Perera
a2.45 pm	4-08	Determination of the antifungal, biochemical and physiological characteristics of <i>Trichoderma</i> spp. isolated from onion fields of Sri Lanka L.N.R.Gunaratna, N. Deshappriya and R. G. A. S. Rajapakse
3.00 pm	4-09	<i>Sclerotinia sclerotiorum</i> causing cabbage head rot in Sri Lanka B M AGuruge, K P Somachandra, R N Attanayake
3.15 pm	4-10	Antifungal effect of <i>Croton aromaticus</i> against <i>Rhizopus</i> spp. isolated from banana and papaya S.A.D.T.L Wijesundara and B.T.S.D.P. Kannangara ,
T	E	A

4.00 pm	4-11	Soil fungi of semi natural montane forest and adjacent pine plantation in Peacock hill, Pussellawa, in Nuwara Eliya district R.G.K. Dharmasiri, B.T.S.D.P. Kannangara
4.15 pm	4-12	Evaluation of antibacterial properties of endophytic fungi of <i>Cyperus brevifolius</i> and <i>Cyperus melanospermus</i> R. Chandula Walgama, Pamoda B. Ratnaweera, and E. Dilip de Silva
4.30 pm	4-13	Evaluation of antibacterial properties of endophytic fungi inhabiting the grasses <i>Cyperus rotundus</i> and <i>Cyperus pilosus</i> Sajani H. Liyanage, Pamoda B. Ratnaweera, E. Dilip de Silva
4.45 pm	4-14	Study of diversity and abundance of microfauna and microflora associated with selected mosquito breeding habitats in Gampaha district in Sri Lanka K.D.K.M. Karunathilake and L.D. Amarasinghe
5.00 pm	4-15	Nematicidal activity of aqueous extracts and dry matter of <i>Tithonia diversifolia</i> , <i>Gliricidia sepium</i> and <i>Tagetes erecta</i> against root-knot nematode, <i>Meloidogyne incognita</i> (Kofoid and White) on tomato (<i>Lycopersicon esculentum</i> Mill.) N.W. Premachandra and L. D. Amarasinghe