



International Research Symposium on Pure and Applied Sciences, 2017

Faculty of Science, University of Kelaniya, Sri Lanka

Biological Sciences – Presentation Schedule - Session 1A

Venue: Board Room of the Faculty of Science

Session Chair: Prof. A. Pathiratne

Plenary Speech	Time	Plenary Speech Title and Author
	1100-1115	Towards New Paradigms in Scientific Research: Revolutions in Biomedical Sciences and Technology Shiroma M. Handunnetti

Abstract No	Time	Title and Author(s)
BO-01	1120-1135	Development and evaluation of a cost effective method for the molecular diagnosis of Prader-Willi syndrome (PWS) and Angelman syndrome (AS) in Sri Lanka N. Panchanathan, D. de Silva, P. Rathnayake, N. Atapattu, and N. V. Chandrasekharan
BO-02	1135-1150	The effect of obesity on cardiac rehabilitation in patients who have undergone coronary artery bypass graft surgery at national hospital of Sri Lanka D. M. A. K. Bandara, M. K. J. K. B. Dharmapriya, M. C. R. Ranasinghe and M. P. M. Weerathunge
BO-03	1150-1205	Molecular diagnosis of Williams syndrome using quantitative polymerase chain reaction (qPCR) in a cohort of Sri Lankan patients D. M. Ranaweera, D. de Silva, N. Panchanathan, D. Samarasinghe, S. Perera, R. Morawakkorala, S. Gunewardene, and N. V. Chandrasekharan ¹
BO-04	1205-1220	Comparative assessment of biomass and furnace oil fired boilers' flue gas emission and its environmental impacts G.K.A.D. Silva, K.T. Jayasinghe, H.M.P.I.K. Herath and G.Y. Jayasinghe
BO-05	1220-1235	Relationships between water quality parameters and geosmin contamination in water bodies in north central and eastern provinces in Sri Lanka S. Ganegoda, S. D. M. Chinthaka and P. M. Manage
BO-06	1235-1250	Microcystin -LR Contamination status of Nile tilapia (<i>Oreochromis niloticus</i>) collected from reservoirs in Polonnaruwa District, Sri Lanka H. A. S. N. Abeysiri and P. M. Manage
BO-07	1250-1305	Utilization of protease activity of <i>Carica papaya</i> for the hydrolysis of fish waste M. K. D. P. M. Sathischandra, R. H. A. A. Ranasinghe and L. R. Jayasekera

1305 - 1400: Lunch and Poster Session



International Research Symposium on Pure and Applied Sciences, 2017

Faculty of Science, University of Kelaniya, Sri Lanka

Biological Sciences – Presentation Schedule - Session 1B

Venue: Seminar Room, Department of Botany

Session Chair: Prof. K. P. Abeywickrama

Abstract No	Time	Title and Author(s)
BO-08	1120-1135	Antimicrobial activity of selected spices against <i>Pectobacterium carotovorum</i> isolated from some vegetables in Sri Lanka W. P. Wasana, K. A. P. P. Kuruppuarachchi, P. N. Yapa and S. Hettiarachi
BO-09	1135-1150	Nutrient leaching of selected invasive plant materials R. H. A. A. Ranasinghe, L. R. Jayasekera, S. D. P. Kannangara, R. M. C. S. Ratnayake
BO-10	1150-1205	A low cost mass culture medium for <i>Trichoderma</i> spp. to be used in the control of damping off disease of big onion (<i>Allium cepa</i> L.) L. N. R. Gunaratna, N. Deshappriya and R. G. S. A. S. Rajapaksha
BO-11	1205-1220	Isolation and identification of different <i>Trichoderma</i> species and their effect on plant growth and development N. Hewavitharana, S. D. P. Kannangara and R. A. S. P. Senanayake
BO-12	1220-1235	<i>Contarinia maculipennis</i> as an emerging threat to <i>Dendrobium</i> in Sri Lanka - A case study M. A. Dias, L. D. Amarasinghe, W.G. H. Jayalath and R. N. Attanayake
BO-13	1235-1250	Molecular systematics and comparative draft genome analysis of strawberry leaf blight fungus D. Udayanga and L.A. Castlebury
BO-14	1220-1305	Anti-oxidant activity of selected endo lichenic fungi (ELF) in mangrove ecosystem of Puttalam lagoon H. A. K. Maduranga, R. N. Attanayake, M. D. Amarasinghe, G. Weerakoon, and P. A. Paranagama
1305 - 1400: Lunch and Poster Session		



International Research Symposium on Pure and Applied Sciences, 2017

Faculty of Science, University of Kelaniya, Sri Lanka

Biological Sciences – Presentation Schedule - Session 1C

Venue: Room B1 343, Faculty of Science

Session Chair: Dr. A. M. T. Amarakoon

Abstract No	Time	Title and Author(s)
BO-15	1120-1135	Determination of <i>in vitro</i> sun protection factor of extract of neem leaves and neem oil A. A. M. D. D. N. Amarathunga, S. U. Kankanamge, N. A. Sanjeevani, R. N. Pathirana and W. D. Rathnasooriya
BO-16	1135-1150	Production of extracellular amylase under solid state fermentation using ground nut shell as the substrate and its application in textile and baking industry I. A. U. Apeksha and M. K. B. Weerasooriya
BO-17	1150-1205	Determination of selenium content in conventional leafy green vegetables consumed by Sri Lankans A. G. S. Dayarathna and D. S. M. De Silva
BO-18	1205-1220	The effect of changing the oil concentration on oil content, encapsulation efficiency and release rate of cinnamon leaf oil encapsulated chitosan microcapsules A. M. T. Muthumali and P. A. S. R. Wickramarachchi
BO-19	1220-1235	Nutraceutical properties of <i>Garcinia zeylanica</i> fruit rinds and leaves L. M. O. D. K. Lansakara and B. M. Jayawardena
BO-20	1235-1250	Evaluation of anti-inflammatory and antioxidant properties of Genus <i>Piper</i> in Sri Lanka R. S. K. Athapattu, S. P. N. C. Jayarathna, P. A. Paranagama and S. P. Senanayake
BO-21	1220-1305	Fumigant toxic potential of <i>Ruta graveolens</i> essential oil and its 2-methyl ketone constituents on the eggs of <i>Corcyra cephalonica</i> A. G. W. U. Perera, M. M. S. C. Karunaratne and S. D. M. Chinthaka
1305 - 1400: Lunch and Poster Session		



International Research Symposium on Pure and Applied Sciences, 2017

Faculty of Science, University of Kelaniya, Sri Lanka

Biological Sciences – Presentation Schedule - Session 2A

Venue: Board Room of the Faculty of Science

Session Chair: Prof. W. U. Chandrasekara

Abs No	Time	Title and Author(s)
BO-22	1400-1415	Screening cytotoxic potential of henna based hair dyes using human red blood cells N. M. S. K. Nawalage and A. Pathiratne
BO-23	1415-1430	A census of diurnal primates in the villages located between Labugama-Kalatuwawa and Indikada forest reserves in Colombo district of Sri Lanka P. A. B. G. Panagoda and V. P. A. Weerasinghe
BO-24	1430-1445	Occurrence of dengue vectors in school premises in Gampaha district, Sri Lanka N. M. L. Radhika, P. A. D. H. N. Gunathilaka, A. Kasturiratne and W. Abeyewickreme
BO-25	1445-1500	Discovery of three new <i>Tetraponera</i> species (Formicidae; Pseudomyrmecinae) from Sri Lanka R. K. S. Dias, W. S. Udayakantha, A. Thotagamuwa, K. S. S. D. Fernando and N. Madushani
BO-26	1500-1515	Endophytic bacterial diversity of mangrove leaves S. U. Gunathunga and I. V. N. Rathnayake
*BO-27	1515-1530	New records of ant taxa (Hymenoptera: Formicidae) in four subfamilies from Sri Lanka R. K. S. Dias, A. A. Wackhoo and S. A. Akbar
*BO-28	1530-1545	Effects of abuse of bhang on autonomic nervous system and cardiac electrophysiology: a study of Indian farmers S. K. Nayak and K. Pal
*BO-29	1545-1600	Variability of phytoplankton primary productivity during three <i>El Niño</i> events in the Mindanao Dome, Western Pacific Ocean A. I. Hettiarachchi and Y.C. Hsin
<i>1600-1630: Tea and Poster Session</i>		

*Skype presentations



International Research Symposium on Pure and Applied Sciences, 2017

Faculty of Science, University of Kelaniya, Sri Lanka

Biological Sciences – Presentation Schedule - Session 2B

Venue: Seminar Room, Department of Botany

Session Chair: Prof (Ms) S. P. Senanayake

Abs No	Time	Title and Author(s)
BO-30	1400-1415	Effect of root-application of rice husk as a natural silicon (Si) source on the nutritional quality of bitter gourd (<i>Momordica charantia</i> L.) R. M. R. N. K. Ratnayake, W. A. M. Daundasekera, H. M. Ariyaratne and M. Y. U. Ganehenege
BO-31	1415-1430	Soil nutrient availability in different vegetation types of Kunckles conservation forest in Sri Lanka R. P. S. K. Rajapaksha, H. M. S. P. Madawala, S. K. Gunathilake and R. R. Ratnayake
BO-32	1430-1445	Development and characterization of a slow release fertilizer system using ammonium nitrate incorporated Gliricidia bark particles W. A. P. J. Premaratne and P. A. U. D. Thisera
BO-33	1445-1500	Molecular identification of selected <i>Dendrobium</i> cultivars W. E. R. Silva, R. Attanayake and S. P. Senanayake
BO-34	1500-1515	Effect of growth regulators on <i>in vitro</i> regeneration of <i>Gerbera jamesonii</i> H. S. M. Perera, K. D. S. Swarnalatha and S. P. Senanayake
BO-35	1515-1530	Formulation and stabilization of <i>Trichoderma</i> spp. in selected carrier materials W. S. M. Botheju, N. Hewavitharana, S. D. P. Kannangara and K. Abeywickrama
BO-36	1530-1545	Effect of <i>Croton aromaticus</i> leaf extracts in controlling Crown Rot disease of Embul banana S. Dilhani, S. Wimalasiri, K. Abeywickrama and S. Kannangara
BO-37	1545-1600	Towards a natural classification and backbone tree for Xylariaceae recognized from multigene phylogeny and taxonomy D. A. D. A. Daranagama, X. Z. Liu and K. D. Hyde
<i>1600-1630: Tea and Poster Session</i>		

*Skype presentations



International Research Symposium on Pure and Applied Sciences, 2017

Faculty of Science, University of Kelaniya, Sri Lanka

Biological Sciences – Presentation Schedule - Session 2C

Venue: Room B1 343, Faculty of Science

Session Chair: Dr. D. L. Jayaratne

Abstract No	Time	Title and Author(s)
*BO-39	1400-1415	Estimating the unit domestic emission of biological oxygen demand and <i>Escherichia coli</i> in Hanoi, Vietnam T. U. N. Kaluarachchi, Y. Masago, P. Kumar and T. V. Nga
BO-38	1415-1430	Effect of sugars, amino acids, hormones and microbial biofilm exudates on dormancy breaking of culturable soil microbial seed bank P. C. Wijepala, P. G. Jayasena, I. D. Singhalage, G. Seneviratne, H. M. S. P. Madawala and K. M. G. G. Jayasuriya
BO-40	1430-1445	Molecular phylogeny of <i>Bipolaris</i> and <i>Curvularia</i> species associated with browntop millet D. S. Manamgoda, G. R. Bauchan, A. Berry, S. Walker and Lisa A. Castlebury
BO-41	1500-1515	Screening of beach sand for bacterial treasures - A preliminary approach T. T. Joseph and S. I. Abeygunawardena
BO-42	1445-1500	Evaluation of fungicide resistance of <i>Sclerotinia sclerotiorum</i> causing cabbage white mold in Sri Lanka T. Mahalingam, K. P. Somachandra, C. S. K. Rajapakse and R. N. Attanayake
BO-43	1515-1530	Screening local fungal isolates for their cellulases production: the applicability in producing bioethanol from cellulose S. K. Jayasekara, C. L. Abayasekara and R. R. Ratnayake
BO-44	1530-1545	Method validation of surface sampling H. J. M. Pasindu Chamikara and G. A. S. I. Abeygunawardena
BO-45	1545-1600	Isolation, purification and structure elucidation of antimicrobial and bio-active compounds of soil fungi W. A. M. A. Wijesekara, K. D. Wijesinghe, K. G. N. P. Kumara and Pathmalal M. Manage
1600-1630: Tea and Poster Session		

*Skype presentations



International Research Symposium on Pure and Applied Sciences, 2017

Faculty of Science, University of Kelaniya, Sri Lanka

Biological Sciences – Presentation Schedule - Session 3A

Venue: Board Room of the Faculty of Science

Session Chair: Dr. G. A. S. I. Abeygunawardena
Dr. Sri Skandharaja

Abstract No	Time	Title and Author(s)
*BO-46	1630-1645	Rumen microbiome: Exploring the adaptive roles of viruses and bacteria in the rumen Christopher L. Anderson and Samodha C. Fernando
*BO-47	1645-1700	Plant pathology in plant biosecurity Anusara Herath
*BO-48	1700-1715	Functionalization of cotton fabric imparting mosquito repellency, UV protection and antimicrobial potential using seven selected plants M. Maqbool, S. Ali, M. Atif, S. Noureen, S. Adeel, and M. A. Iqbal
*BO-49	1715-1730	RSM approach to study the influence of hard water on natural dyeing of cotton fabric by <i>Punica granatum</i> peels I. Khalid, S. Ali, M. T. Hussain, M. Atif, U. Habiba and M. A. Iqbal
*BO-50	1730-1745	Comparative efficiency of triethanol ammonium sulfamate and toluene diisocyanate to improve the cross-linking of melamine formaldehyde resin for pigment prints on cotton fabric R. Javed, S. Ali, M. Atif and S. Noureen

*Skype presentations