

Technical Programme : Theme - Life Sciences

RESCON 2023

Friday, 3rd November 2023

11:00 - 1:00	Session ID		Session Chairs		Location	
	LS1		Prof. Gehan Jayasooriya, gejaya@sci.pdn.ac.lk		C2.4	
			Prof. S.C.K. Rubasinghe, srubasinghe@sci.pdn.ac.lk			
	Time	Abstract ID	Title		Presenter	
	11:00-11:15	5	ETHNOBOTANY OF MEDICINAL PLANTS IN TREATING DIABETES MELLITUS AMONG INDIGENOUS MEDICAL PRACTITIONERS IN JAFFNA, SRI LANKA		P.N. Niluka	
	11:15-11:30	15	EVALUATION OF TOXICITY OF AQUEOUS EXTRACT OF HEMIDESMUS INDICUS R. BR. (IRAMUSU) USING BRINE SHRIMP ASSAY		H.D.T. Madhuranga	
	11:30-11:45	39	TOXICITY OF HYLOCEREUS POLYRHIZUS SEEDS USING BRINE SHRIMP ASSAY		Kalidha M.R. Farween	
	11:45-12:00	46	REVIEW ON SRI LANKAN MEDICINAL PLANTS WITH POTENT TYROSINASE INHIBITORY ACTIVITY (A PRELIMINARY REVIEW)		Ayeshi Gunarathne	
	12:00-12:15	117	BIOACTIVITY STUDIES OF ALPINIA CALCARATA AND GLORIOSA SUPERBA LEAVES EXTRACTS		Thyangi Anushka Ekanayaka	
	12:15-12:30	123	BIOACTIVITY STUDIES OF SOLVENT EXTRACTS OF PIPER NIGRUM SEEDS		Sanjana Sithumini Gamaarachchi	
12:30-12:45	153	MORPHOMETRIC ANALYSIS OF GENUS PIPER (PIPERACEAE), SRI LANKA		Bhathiya Bandara Gopallawa		
12:45-1:00	Panel Discussion					

11:00 - 1:00	Session ID		Session Chairs		Location	
	LS2		Prof. Suyama Boyagoda (suyamam@sci.pdn.ac.lk)		A1.1	
			Dr. Sampath Lokugalappatti, lokugs@vet.pdn.ac.lk			
	Time	Abstract ID	Title		Presenter	
	11:00-11:15	57	FIRST MOLECULAR PHYLOGEOGRAPHIC AFFINITIES OF SAW-SCALED VIPER OF THE GENUS ECHIS (SERPENTES: VIPERIDAE) FROM SRI LANKA		Muruganathan Arumugam	
	11:15-11:30	88	CHALLENGES IN CONTROLLING INSECT PESTS OF STORED GRAIN PRODUCTS IN SRI LANKA: INSIGHTS INTO INSECTICIDE METABOLIZING ENZYMES AND TARGET-SITE		Vaishali G.N.P. Anuradha	
	11:30-11:45	125	DIVERSITY OF ICHTHYO FAUNA AT THE UPPER NORTHERN BASIN OF THONDAMANARU LAGOON, JAFFNA, SRILANKA		S. Aniththa	
	11:45-12:00	138	Microplastics contamination in Indian backwater oysters (Magallana bilineata) in the Panadura estuary, Sri Lanka.		Shamila Nawarathna	
	12:00-12:15	166	ETHNOMEDICAL SURVEY ON SRI LANKAN HASTI VEDAKAMA; A STUDY BASED ON ELEPHANT CLUSTER AT THE TEMPLE OF THE TOOTH RELIC		Gayumi H.K. Athapaththu	
	12:15-12:30	192	IMPACT OF HABITAT TYPE AND FLORAL RESOURCE AVAILABILITY ON GROUND-NESTING BEE ESTABLISHMENT IN AN AGRO-NATURAL LANDSCAPE		Deepthi Ekanayake	
12:30-1:00	Panel Discussion					

Lunch Break

2:00-4:00	Session ID		Session Chairs		Location	
	LS3		Prof. S.H.P.P. Karunaratne, shppk@sci.pdn.ac.lk		C2.4	
			Prof. R.S. Rajakaruna, rupika.rajakaruna@sci.pdn.ac.lk			
	Time	Abstract ID	Title		Presenter	
	2:00-2:15	10	CUTICLE THICKNESS OF LARVAE OF PYRETHROID RESISTANT CULEX QUINQUEFASCIATUS MOSQUITOES IN SRI LANKA		Sachini N Palliyaguruge	
	2:15-2:30	11	MOSQUITOCIDAL POTENTIAL OF ETHANOLIC ALLIUM SATIVUM (GARLIC) EXTRACTS AGAINST AEDES AND CULEX MOSQUITO LARVAE IN SRI LANKA		Waruni N. Rajapaksha	
	2:30-2:45	22	OVICIDAL AND OVIPOSITION DETERRENCE PROPERTIES OF TABERNAEMONTANA DIVARICATA (APOCYNACEAE) AGAINST AEDES ALBOPICTUS AND CULEX		Supipi Wijesundara	
	2:45-3:00	26	EFFECT OF PHYSICOCHEMICAL PARAMETERS OF BREEDING WATER ON FITNESS OF DENGUE VECTOR MOSQUITOES		Supipi Wijesundara	
	3:00-3:15	79	EFFECT OF PH ON THE GROWTH AND DEVELOPMENT OF IMMATURE STAGES OF DENGUE VECTOR MOSQUITOES; AEDES ALBOPICTUS		Kanjini S Dissanayake	
	3:15-3:30	176	CYTOKINE RESPONSES OF DIFFERENT CATEGORIES OF LYMPHATIC FILARIASIS PATIENTS IN GALLE DISTRICT, SRI LANKA		Chanika D Jayasinghe	
3:30-3:45	178	PANTALA FLAVESCENS (WANDERING GLIDER) AND CERIAGRION COROMANDELIANUM (YELLOW WAXTAIL) AS PREDATORS OF PREIMAGINAL		Arthiyan Sivasingham		
3:45-4:00	Panel Discussion					

2:00-4:00	Session ID		Session Chairs		Location	
	LS4		Dr. Thilini Anupama, thilini.anupama@vet.pdn.ac.lk		A1.1	
			Dr. Irushika Fernando, irushikawit@yahoo.com			
	Time	Abstract ID	Title		Presenter	
	2:00-2:15	21	CULTURALLY RELEVANT PAIN COPING SKILLS GROUP INTERVENTION FOR CHRONIC KNEE OSTEOARTHRITIS PAIN: DELPHI CONSENSUS		Medhavi Gunasekara	
	2:15-2:30	43	PRELIMINARY STUDY OF USE OF FRACTIONS ISOLATED FROM CRUDE LYSATE OF Leishmania IN SEROLOGY AND ANALYSIS OF CLINICAL EPIDEMIOLOGICAL DATA		Achini U Gamage	
	2:30-2:45	49	CUTANEOUS LEISHMANIASIS: AWARENESS OF PUBLIC ABOUT THE DISEASE AND THE VECTOR IN SRI LANKA		G.D.S.R. Piumali	
	2:45-3:00	52	COMPARATIVE EVALUATION OF RT-PCR KITS AVAILABLE IN SRI LANKA FOR DIAGNOSIS OF SARS-CoV-2		Kanchana P Amarasinghe	
	3:00-3:15	82	ASSESSMENT OF RETAINED MICROFLORA AND THE PRESENCE OF HUMAN DNA ON USED TOOTHBRUSHES USING PCR		Sachini S Gamage	
	3:15-3:30	84	ANAPLASMOSIS IN DOGS: A REVIEW ON SOUTH AND SOUTH EAST ASIAN COUNTRIES		Vindya Perera	
3:30-3:45	143	EVALUATION OF PRIMERS DESIGNED FOR NESTED PCR TO DETECT P2 CLADE OF LEPTOSPIRES CAUSE LEPTOSPIROSIS IN HUMANS AND ANIMALS		Muditha Nadeeshani		
3:45-4:00	Panel Discussion					

Saturday, 4th November 2023

8:00-10:00	Session ID		Session Chairs		Location	
	LS5		Prof. J.W. Damunupola, jilushid@sci.pdn.ac.lk		C2.4	
			Dr. Chandima Ariyaratne, chandimaa@sci.pdn.ac.lk			
	Time	Abstract ID	Title		Presenter	
	8:00-8:15	108	THE IMPACT OF INCLUSION BODY HEPATITIS (IBH) VIRUS ON IMMUNE ORGANS (BURSA OF FABRICIUS, SPLEEN, AND THYMUS) OF BROILER CHICKENS IN SRI		Sathyamalee Indunika	
	8:15-8:30	102	RAPID DETECTION AND MOLECULAR AUTHENTICATION OF SANDALWOOD MARKET SAMPLES USING HIGH RESOLUTION MELTING ANALYSIS		Madhusa Ranaweera	
	8:30-8:45	42	HIGH QUALITY GENOME FOR AUSTRALIAN FINGER LIME		Upuli S Nakandala	
	8:45-9:00	97	VIABILITY OF PROBIOTIC BACTERIA INHABITING TENDER COCONUT WATER UNDER ARTIFICIAL SALIVA AND SIMULATED GASTROINTESTINAL JUICE CONDITIONS		Dayani Pavalakumar	
	9:00-9:15	103	IN VITRO ASSAY OF ANTIOXIDANT POTENTIAL AND TOTAL PHENOLIC CONTENT OF PROBIOTIC LACTOBACILLUS DELBRUECKII SUBSP. INDICUS STRAINS ISOLATED		Chathuri J Gunathunga	
	9:15-9:30	161	SOLUBILITY ENHANCEMENT OF THE AHL LACTONASE (j _{svC}) IDENTIFIED FROM DERMACCOCUS NISHINOMIYAENSIS		Ruuth Goonawardana	
9:30-9:45	170	IDENTIFICATION OF BACTROCERA DORSALIS AND B. KANDIENSIS VIA PCR-RFLP, ASSESSED TRAINING AND TEST DATA		Lahiru P.G. Madushan		
9:45-10:00	Panel Discussion					

8:00-10:00	Session ID		Session Chairs		Location	
	LS6		Prof. Sanath Rajapakse, sanathr@sci.pdn.ac.lk		Auditorium	
			Dr. Suranjith Gama-arachchige, nalin@sci.pdn.ac.lk			
	Time	Abstract ID	Title		Presenter	
	8:00-8:15	50	IN SILICO ANALYSIS OF KEY GLYCOSYL HYDROLASE GENE FAMILIES IN ASIAN COTTON (GOSSYPIUM ARBOREUM): INSIGHTS FOR ENHANCING COTTON GENETICS		Ama U Karunaratne	
	8:15-8:30	98	KNIME AND MACHINE LEARNING BASED PREDICTION OF PDGFRA INHIBITORS FROM PHYTOCHEMICALS AS POTENTIAL CANCER DRUGS		Swetha Branavan	
8:30-8:45	130	THE SALTOL LOCI FROM FL 478 WAS INCORPORATED TO ELITE VARIETY BG 352 BY MARKER-ASSISTED SELECTION IN RICE		D.M.H.R. Dissanayaka		
8:45-9:00	136	GENOTYPING, AND PHENOTYPING OF SELECTED RICE GERMPLASM FOR BLAST DISEASE RESISTANCE UNDER LOCAL CONDITIONS		Chami Ruwanthika		
9:00-9:15	141	CALMODULIN-BINDING TRANSCRIPTION ACTIVATOR (CAMTA) GENES IN SOYBEAN AND THEIR EXPRESSION ANALYSIS		Dilshan P Jayaratne		

9:15-9:30	173	EVALUATION OF THERMAL STABILITY OF NATURAL ANTIOXIDANTS EXTRACTED FROM EMBLICA OFFICINALIS SEED AND ANNONA MURICATA L. FRUIT PEEL AND SEED ON SENSORY PROPERTIES OF SPONGE CAKE	Ahinsa Lankanayaka
9:30-9:45	175	DAILY DIETARY INTAKE OF TOTAL PHENOLICS AND TOTAL FLAVANOIDS FROM CONSUMPTION OF RICE (ORYZA SATIVA L.) VARIETIES COMMERCIALY AVAILABLE IN SRI LANKA	Jayani W Gunawardana
9:45-10:00	Panel Discussion		

Morning Tea

10:30 - 12:30	Session ID		Session Chairs		Location	
	LS7		Prof. Inoka Karunaratne, inokap@sci.pdn.ac.lk		C2.4	
			Dr. Nuwandi U. Pathirana			
	Time	Abstract ID	Title		Presenter	
	10:30-10:45	4	DISTRIBUTION OF THE CRITICALLY ENDANGERED AXIS PORCINUS (HOG DEER) (ZIMMERMANN, 1780) IN GALLE DISTRICT, SRI LANKA		B.H.S.M. Gunawardana	
	10:45-11:00	33	PESTICIDAL ACTIVITY OF CRUDE SOLVENT EXTRACTS OF PODS AND LEAVES OF PSOPHOCARPUS TETRAGONOLOBUS (WINGED BEANS) AGAINST BLACK APHIDS		Madhawa P Nawarathne	
	11:00-11:15	87	POTENTIAL USE OF THE JELLYFISH Acromitus flagellatus VENOM AS A BIOINSECTICIDE AGAINST RICE WEEVIL, Sitophilus oryzae (L.) (COLEOPTERA: CURCULIONIDAE)		Vishwa D Samaraweera	
	11:15-11:30	114	EFFICACY OF THE INSECT GROWTH REGULATOR NOVALURON IN THE CONTROL OF DENGUE VECTOR MOSQUITOES		Manel Kumari Herath	
	11:30-11:45	127	CHARACTERISTIC WING VEIN PATTERNS OF COMMON MOSQUITO GENERA IN SRI LANKA		Bandaranayake, M.B.K.K.	
	11:45-12:00	157	MORPHOLOGICAL CHANGES IN EGGS AND LARVAE OF AEDES AEGYPTI ADAPTING TO SALINITY IN NATURE		Kokila Sivabalakrishnan	
12:00-12:15	177	RISK FACTORS OF DENGUE HEMORRHAGIC FEVER AMONG ADULT DENGUE PATIENTS IN THE WESTERN PROVINCE OF SRI LANKA: A CASE-CONTROL STUDY		Chanika D Jayasinghe		
12:15-12:30	Panel Discussion					

10:30 - 12:30	Session ID		Session Chairs		Location	
	LS8		Prof. Charmalie Abayasekara		Auditorium	
			Prof. Malkanthi Daundasekera, malkantheid@sci.pdn.ac.lk			
	Time	Abstract ID	Title		Presenter	
	10:30-10:45	45	IN VITRO SCREENING OF ANTAGONISTIC ACTIVITY OF SOME BACTERIAL ISOLATES AGAINST Colletotrichum sp. CAUSING ANTHRACNOSE DISEASE IN TOMATO		Pavithra H.B. Sandani	
	10:45-11:00	74	EFFICIENCY OF ENRICHED MICROBIAL CONSORTIA FROM DIFFERENT NATURAL SOURCES ON CONSOLIDATED BIOETHANOL PROCESSING COMPARED TO SEQUENTIAL FERMENTATION		Chathurika Bandara	
	11:00-11:15	96	MANGROVE-ASSOCIATED KOCURIA FLAVA PUTS1_3 AS A POTENTIAL FUNC		Kavindi E Weerasinghe	
	11:15-11:30	111	Screening of fungal species isolated from different soil samples for extracellular lipase production		Uvini Thameesha Senanayake	
	11:30-11:45	121	ANTIOXIDANT ACTIVITY OF ENDOPHYTIC FUNGI ISOLATED FROM LEAVES OF CITRUS AURANTIIFOLIA		Kavindya Samarakoon	
	11:45-12:00	129	PEST AND DISEASE MANAGEMENT STRATEGIES USED BY VEGETABLE GROWERS IN THE CENTRAL PROVINCE OF SRI LANKA: A SURVEY		Ushani D Dahanayake	
12:00-12:15	142	ISOLATION AND IDENTIFICATION OF A NOVAL AND EFFICIENT CELLULOSE DEGRADING FUNGAL SPECIES; Aspergillus nomius FROM SOIL SAMPLES		Amali Herath		
12:15-12:30	Panel Discussion					

Lunch Break

1:30 - 3:30	Session ID		Session Chairs		Location
	LS9		Prof. Preminda Samaraweera, psam@sci.pdn.ac.lk		C2.4
			Dr. Chandima Danapala, chandimasd@sci.pdn.ac.lk		
	Time	Abstract ID	Title		Presenter
	1:30-1:45	72	DETERMINATION OF GLYCAEMIC INDEX OF COCONUT (COCOS NUCIFERA) TREACLE AND ITS CONSUMPTION PATTERN AMONG THE UNDERGRADUATES IN A PRIVATE		Mohamed Riyal Fathima Litha
	1:45-2:00	99	IDENTIFICATION OF POTENTIAL HER2 INHIBITORS FROM PHYTOCHEMICALS USING COMPUTER-AIDED DRUG DESIGN		L.R.L.S. Kumari
	2:00-2:15	100	A COMPUTATIONAL APPROACH TO IDENTIFY BETA-LACTAM LIKE COMPOUNDS FROM PHYTOCHEMICALS		Gunathilaka, Dilusha
	2:15-2:30	101	IN SILICO SCREENING OF POTENTIAL DRUG CANDIDATES FOR AMINOGLYCOSIDE RESISTANCE IN BACTERIA AND DRUG SYNERGY PREDICTION		Sandunika, Piyumi
	2:30-2:45	131	GOOGLE STREET VIEW REVEALS NEW INSIGHT INTO DISTRIBUTION OF PANICUM MAXIMUM IN SRI LANKA		Hansani Dhanasekara
	2:45-3:00	116	IN SILICO DRUG DISCOVERY USING THE KNIME ANALYTICS PLATFORM TO IDENTIFY PHYTOCHEMICALS WITH VEGFR-2 INHIBITORY PROPERTIES		Reshani Perera
3:00-3:15	117	BIOACTIVITY STUDIES OF ALPINIA CALCARATA AND GLORIOSA SUPERBA LEAVES EXTRACTS		Thyangi Anushka Ekanayaka	
3:15-3:30	Panel Discussion				