

Technical Programme : Theme - Earth & Environmental Science RESCON 2024

Friday, 1st November 2024

11:55 am - 1:40 pm	Session ID		Session Chairs		Location
	EES 1		Dr. Bathiya Athurupana bhathiyaat@sci.pdn.ac.lk		C2.6
			Dr. Jagath Gunatilake jagath@sci.pdn.ac.lk		
	Time	Abstract ID	Title		Presenter
	11.55 - 12.10	17	LITHOSTRATIGRAPHY AND SEDIMENTOLOGY ACROSS THE CRETACEOUS-PALEOGENE (K-PG) BOUNDARY IN THE OFFSHORE MANNAR BASIN: UNRAVELING PALEOENVIRONMENTAL DYNAMICS IN THE EQUATORIAL MARGIN OF THE NORTHERN INDIAN OCEAN		S.S. Nawarathna
	12.10 - 12.25	78	GREEN SYNTHESIS OF IRON OXIDE NANOPARTICLES USING NATURAL MAGNETITE, RED EARTH AND POLYPHENOLIC SOLUTIONS EXTRACTED FROM <i>Camellia sinensis</i>		T. Wathsala
	12.25 - 12.40	301	GEO-ECOTOURISM POTENTIAL IN JAFFNA DISTRICT, SRI LANKA WITH SPECIAL REFERENCE TO THE SAND DUNES		Packiyathan Rajkumar
	12.40 - 12.55	84	ANALYSING THE NEED FOR BUILDING CLASSIFICATION BASED ON LAND DEFORMATION IN SRI LANKA: A CASE STUDY FROM THE KANDY DISTRICT		H.K.S.R. Hettikankanama
	12.55 - 1.10	182	SEDIMENTOLOGICAL CHARACTERIZATION OF GIANT'S TANK CLAY DEPOSITS IN SRI LANKA: IMPLICATION FOR THEIR GENESIS		D.S.D.D. Silva
	1.10 - 1.25	190	MERCURY EXPOSURE AND CO-EXPOSURE OF OTHER TRACE METALS IN GOLD WASTE SEPARATORS IN SMALL-SCALE JEWELLERY SECTOR IN SRI LANKA		Madhusa Lakmali
1.25 - 1.40	26	PREDICTIVE MAINTENANCE OF QUARTZ PROCESSING EQUIPMENT USING MACHINE LEARNING		H.G. Nipunika	
Panel Discussion					

LUNCH BREAK

2:00 pm - 4:00 pm	Session ID		Session Chairs		Location
	EES 2		Prof. Namal Priyantha namalpriyantha@sci.pdn.ac.lk		A1.1
			Prof. Sudharma .K. Yatigammana sudharmay@sci.pdn.ac.lk		
	Time	Abstract ID	Title		Presenter
	2.15 - 2.30	69	BIOREMEDIATION OF <i>Klebsiella pneumoniae</i> USING BIOCHAR MEDIATED NANO ZERO-VALENT IRON		K.G.Y. Kasthuriarachchi
	2.30 - 2.45	192	MICROPLASTIC POLLUTION IN SELECTED MANGROVE ECOSYSTEMS OF SOUTHERN SRI LANKA		K.S. Dilshani
	2.45 - 3.00	276	PRELIMINARY OBSERVATION OF MICROPLASTICS IN DRINKING WATER FROM TREATMENT PLANTS IN KANDY: COMPARISON OF RAW AND TREATED WATER		Prof. R.S. Rajakaruna
	3.00 - 3.15	300	GIS-BASED ASSESSMENT OF NATURE-BASED ECOTOURISM POTENTIAL IN THE JAFFNA DISTRICT, SRI LANKA		Packiyathan Rajkumar
	3.15 - 3.30	143	MORPHOLOGICAL AND BIOCHEMICAL CHARACTERIZATION OF EFFICIENT DIESEL-DEGRADING BACTERIA ISOLATED FROM PETROLEUM-CONTAMINATED SUBSURFACES		E.M.M.R.P.V. Nugapitiya
	3.30 - 3.45	247	ENHANCING MICROPLASTICS DEGRADATION USING Fe-RICH RED YELLOW LATOSOLS: A FENTON AND PHOTOCATALYTIC APPROACH		I.M. Wijekoon
3.45 - 4.00	283	EFFICIENT LOW-COST REMOVAL OF Pb (II) FROM INDUSTRIAL WASTEWATER USING "YAKADA MARAN-DERIVED CHARCOAL"		R.B.W.M.I.S. Rajaguru	
Panel Discussion					

2:00 pm - 4:00 pm	Session ID		Session Chairs		Location	
	EES 3		Prof. Sumedha Madawala sumedha.madawala@sci.pdn.ac.lk		C2.6	
			Dr. Chaminda Wijesundara chamindaw@sci.pdn.ac.lk			
	Time	Abstract ID	Title		Presenter	
	2.00 - 2.15	158	ARAGONITE SATURATION AND NUTRIENT LEVELS ON CORAL REEFS IN THE EASTERN AND SOUTHERN COASTS OF SRI LANKA		R.S.P.K. Abhishek	
	2.15 - 2.30	172	COMPARATIVE EVALUATION OF WATER HYACINTH, VEGETABLE WASTE AND GLIRICIDIA AS NITROGEN SOURCES FOR COMPOSTING PADDY HUSK		H.U. Shamudika	
	2.30 - 2.45	236	SOCIAL NORMS OF RESOURCE UTILIZATION WITHIN FOREST FRAGMENTS BY RURAL COMMUNITIES IN WET ZONE, SRI LANKA		Harsha Jayawickrama	
	2.45 - 3.00	275	PRELIMINARY STUDY ON EVALUATING THE CARBON STOCKS PRIOR TO SEAGRASS RESTORATION IN SINNA ARICHCHAL, KALPITIYA, SRI LANKA		W.S.P. Gunasiri	
	3.00 - 3.15	40	IMPACT OF CLEAR-CUTTING ON RUNOFF PATTERNS: A CASE STUDY IN A PINE PLANTATION IN TROPICAL LOWLANDS, SRI LANKA		S.L. Balahewa	
	3.15 - 3.30	82	DRINKING SUITABILITY OF GROUNDWATER IN DEDURU OYA RIVER BASIN BASED ON WATER QUALITY INDEX (WQI)		E.G.N.D. Iddamalgodha	
3.30 - 3.45	157	CONTROL OF <i>Aspergillus</i> SPECIES GROWTH ON STORED RICE USING MICROENCAPSULATED CINNAMON BARK OIL		K.D.C. Shivanthini		
Panel Discussion						

Saturday, 2nd November 2024

8:00 am - 10:00 am	Session ID		Session Chairs		Location	
	EES 4		Prof. Thilanka Gunaratne thilanka.gunaratne@sci.pdn.ac.lk		C2.6	
			Dr. R. J. K. Udayana Ranatunga udayana.ranatunga@sci.pdn.ac.lk			
	Time	Abstract ID	Title		Presenter	
	8.00 - 8.15	51	HERBICIDAL PROPERTIES OF <i>Lantana camara</i> AND <i>Mikania micrantha</i> INDIVIDUALLY AND IN COMBINATION AGAINST <i>Brassica juncea</i>		W.W.R.L. Fernando	
	8.15 - 8.30	85	EFFECTS OF CLIMATIC VARIATION ON EPIPHYTIC CRYPTOGAMIC DIVERSITY IN THE KOTTAWA RAINFOREST, SRI LANKA		H.A.C. Dilrukshi	
	8.30 - 8.45	124	PRECIPITATION, SEA SURFACE TEMPERATURE (SST), AND THEIR RELATIONSHIP OVER THE TROPICAL INDIAN OCEAN FROM 1982 TO 2020		A.G. Randombage	
	8.45 - 9.00	288	AIR QUALITY ASSESSMENT USING GAS SENSORS IN URBAN TRAFFIC AREAS IN PERADENIYA, SRI LANKA		S.A.N. Prasadani	
	9.00 - 9.15	239	GREEN SYNTHESIS, CHARACTERIZATION, AND pH DEPENDENT ADSORPTION OF LEAD(II) BY HYDROXYAPATITE NANOPARTICLES		S.M. Keerthisinghe	
	9.15 - 9.30	291	Agave americana AS A PROMISING GREEN BIOSORBENT FOR Ni(II) REMEDIATION		W.R.M.N.R. Wickramasinghe	
9.30 - 9.45	95	EFFECTS OF "GM/GR" BIOSIMULANT ON GROWTH AND YIELD OF SALAD CUCUMBER		P.H.D.T. Dilhari		
Panel Discussion						

TEA BREAK

10:30 am - 12:30 pm	Session ID		Session Chairs		Location
	EES 5		Prof. Tilak Hewawasam tilak@arts.pdn.ac.lk		C2.6
			Dr. Nalin Suranjith nalin@sci.pdn.ac.lk		
	Time	Abstract ID	Title		Presenter
	10.30 - 10.45	57	TEMPORAL AND SPATIAL CHANGES IN VEGETATION COVER OF MAHAWELI H SYSTEM: MAHAWELI DEVELOPMENT PROJECT (1988 TO 2022)		U.D.H.P. Ariyasingha
	10.45 - 11.00	253	COMPARISON OF MICROBIAL LOAD AND DIVERSITY DURING HAZE EVENTS: A CASE STUDY IN KANDY, SRI LANKA (2022-2024)		D.M.C.L. Dissanayake
	11.00 - 11.15	254	STATUS OF THE CRITICALLY ENDANGERED INDIAN COURSER (CURSORIUS COROMANDELICUS) IN THE NORTHERN PROVINCE OF SRI LANKA		Packiyathan Rajkumar
	11.15 - 11.30	285	IMPACT OF SOCIO-ENVIRONMENTAL FACTORS INCLUDING NATURE ENGAGEMENT ON THE PSYCHOLOGICAL WELL-BEING OF VETERINARY UNDERGRADUATES OF THE UNIVERSITY OF PERADENIYA		G.P. Paranawithana
	11.30 - 11.45	97	PRELIMINARY STUDY ON THE POTENTIAL OF USING FRESHWATER FLORA AS AN INDICATOR IN AQUATIC ENVIRONMENTAL RISK ASSESSMENT		H.K.A.E. Prasadika
	11.45 - 12.00	229	ABUNDANCE AND DIVERSITY OF PLANKTON IN MAMUNUGAMA TANK CASCADE SYSTEM		D.A.N.M. Amarasinghe
12.00 - 12.15	77	CAUSE AND EFFECT ANALYSIS OF IMPACTS OF LAND COVER CHANGES ON BELIHULOYA MINI-CATCHMENT AREA		K.L.W.I. Gunathilake	
12.00-12.30	302	NAGAR KOVIL AREA AS AN ENVIRONMENTAL SENSITIVE AREA IN THE JAFFNA DISTRICT, SRI LANKA		Packiyathan Rajkumar	
12.30-12.45	38	QUALITY ASSESSMENT OF MUNICIPAL SOLID WASTE COMPOST AND COMMERCIALY AVAILABLE COMPOST IN SRI LANKA		J.A.G.V. Sewmi	
Panel Discussion					

LUNCH BREAK

1:30 pm - 4:00 pm	Session ID		Session Chairs		Location
	EES 6		Dr. Manjula Wijesinghe manjulaw@sci.pdn.ac.lk		C2.6
			Dr. Nadeesha Koralegedara nadeeshak@sci.pdn.ac.lk		
	Time	Abstract ID	Title		Presenter
	1.30 - 1.45	7	ORIGIN AND GEOCHEMICAL EVOLUTION OF GROUNDWATER IN KUNDASALE-BALAGOLLA AREA, SRI LANKA		Bhagya Ratnayake
	1.45 - 2.00	99	ASSESSMENT OF ENVIRONMENTAL HEALTH IN SELECTED LOCATIONS OF SOUTHERN COAST OF SRI LANKA USING AZTI'S MARINE BIOTIC INDEX BASED ON MARINE POLYCHAETES AS INDICATORS		M.D.G.V. Priyankara
	2.00 - 2.15	273	FLUORIDE AND CHLORIDE ION CONCENTRATIONS IN DRINKING WATER DUGWELLS NEAR SUNDARAPOLA GARBAGE DUMP SITE OF KURUNEGALA DISTRICT, SRI LANKA		L.D.G. Mendis
	2.15 - 2.30	79	TIME BASED NITRATE ION ANALYSIS IN A STORED DRINKING WATER SAMPLE		N. Mudannayake
	2.30 - 2.45	280	NOVEL ANODE STRIPPING VOLTAMMETRIC METHOD USING ELECTROCHEMICALLY MODIFIED ELECTRODES FOR ARSENIC SPECIES DETECTION IN WATER		S.D.S. Kashmitha
	2.45 - 3.00	264	CRITICAL EVALUATION OF RESERVOIR HYDROGEOCHEMISTRY IN CHRONIC KIDNEY DISEASE OF UNCERTAIN ETIOLOGY (CKDu) PRONE AREAS OF WILGAMUWA AND HASALAKA, SRI LANKA		Ishara Athauda
3.00 - 3.15	52	QUANTIFICATION OF ASCORBIC ACID CONTENT IN Ziziphus oenoplia (L.) MILL. ("ERAMINIYA") SEEDS GROWN IN THE WET ZONE OF SRI LANKA		W.V.L. Sewwandi	
3.15 - 3.30	132	CONSUMER PREFERENCE AND SENSORY ACCEPTABILITY OF MI-2 CHILI PODS (Capsicum annum) CULTIVATED WITH Mimosa pigra-BASED BIOFERTILIZER		T.M.M.P.S. Bandara	
Panel Discussion					