

# Technical Programme : Theme - Earth & Environmental Sciences

## RESCON 2023

### Friday, 3rd November 2023

<b>11:00-11:30</b>		<b>Plenary Talk by Prof. Johannes Barth @ Conference Hall Block C</b>		
<b>11:45-1:00</b>	<b>Session ID</b>	<b>Session Chairs</b>		<b>Location</b>
	<b>EES1</b>	Prof. Tilak Hewawasam ( hewawasamtilak@gmail.com)		<b>A3.1</b>
		Prof. Parakrama Karunaratne (dpkaru@sci.pdn.ac.lk)		
	<b>Time</b>	<b>Abstract ID</b>	<b>Title</b>	<b>Presenter</b>
	11:45-12:00	9	PLASTIC DEGRADATION INTO SECONDARY MICROPLASTICS IN COASTAL AREAS AFFECTED BY THE MV X-PRESS PEARL MARITIME DISASTER	G.M.S.S. Gunawardhana
	12:00-12:15	19	POTENTIAL FOR PROMOTING AVITOURISM IN SELECTED HABITATS, MULLAITIVU DISTRICT, SRI LANKA	Nilmini P.M. Samarakoon
	12:15-12:30	34	DOES THE ENVIRONMENTAL SCORE OF ESG (ENVIRONMENTAL, SOCIAL AND GOVERNANCE) REPORTING HAS AN EFFECT ON COPERATE PERFORMANCE OF COMPANIES?	Irandi S.I.M. Liyanage
	12:30-12:45	37	CARBON FOOTPRINT OF SRI LANKAN TEA SECTOR	Thilini M Bandara
12:45-1:00	164	AIR QUALITY TRENDS AND PATTERNS IN KANDY, SRI LANKA	Mahesh Senarathna	
<b>1:00-1:15</b>	<b>Panel Discussion</b>			

### Lunch Break

<b>2:00 - 4:00</b>	<b>Session ID</b>	<b>Session Chairs</b>		<b>Location</b>
	<b>EES2</b>	Prof. Shameen Jinadasa (shamj@eng.pdn.ac.lk)		<b>A3.1</b>
		Dr. Nadeesha Koralegedara (nadeeshak@sci.pdn.ac.lk)		
	<b>Time</b>	<b>Abstract ID</b>	<b>Title</b>	<b>Presenter</b>
	2:00-2:15	38	CHANGES IN WATER CONSUMPTION PATTERNS AFTER INSTALLATION OF REVERSE OSMOSIS WATER TREATMENT PLANTS IN DIMBULAGALA (CHRONIC KIDNEY DISEASE OF UNKNOWN ETIOLOGY -CKDU PREVALENT AREA), SRI LANKA.	Thilini M Bandara
	2:15-2:30	107	PREVALENCE OF ANTIBIOTIC RESISTANCE BACTERIA ALONG THE MAHAWELI RIVER SEGMENT BETWEEN KOTAGALA AND BALAGOLLA	Fazla Fareed
	2:30-2:45	118	PHYSICO-CHEMICAL CHARACTERISTICS OF INLET AND OUTLET WATER IN WATER TREATMENT PLANTS ALONG THE MAHAWELI RIVER BETWEEN	Pulwansha Tharika Amandi Thilakarathna
	2:45-3:00	128	THE ROLE OF PHYSICAL CHARACTERS IN CHANGING THE ABUNDANCE OF CRITICALLY ENDANGERED, POINT ENDEMIC PETHIYA BANDULA	J.C. Lenagala
	3:00-3:15	135	CHARACTERIZATION OF HYDROGEN PEROXIDE-INDUCED PROGRAMMED CELL DEATH IN SELECTED MICROCYSTIN PRODUCING CYANOBACTERIA: CYTOTOXIC EFFECTS ON CELLULAR MICROCYSTIN CONTENT	Shashini Gunathilaka
	3:15-3:30	159	QUALITY OF DRINKING WATER AND IT'S POSSIBLE HEALTH IMPACTS ON THE COMMUNITY IN WILGAMUWA AREA	Navodya D Mahalekam
3:30-3:45	165	DOES SHELF LIFE AFFECT THE LEVEL OF MICROPLASTICS IN BOTTLED WATER	Poorna Chamini Premathilake	
<b>3:45-4:00</b>	<b>Panel Discussion</b>			

### Saturday, 4th November 2023

<b>10:00</b>	<b>Session ID</b>	<b>Session Chairs</b>		<b>Location</b>
	<b>EES3</b>	Dr. Chaminda Wijesundara		<b>A3.1</b>
		Prof. Thilanka Gunaratne (thilanka.gunaratne@sci.pdn.ac.lk)		
	<b>Time</b>	<b>Abstract ID</b>	<b>Title</b>	<b>Presenter</b>
8:00-8:15	35	PRELIMINARY SCREENING, FUNCTIONAL GROUP ANALYSIS, MINERAL CONTENT AND FATTY ACID PROFILE OF TWO BROWN MARINE ALGAL SPECIES	Nishmitha Ramaraj	
8:15-8:30	68	ASSESSMENT OF SOIL BACTERIAL DIVERSITY IN ORGANIC AND CONVENTIONAL AGROECOSYSTEMS VIA HIGH THROUGHPUT SEQUENCING	Brigitta D Tissera	

<b>8:00 - 1</b>	8:30-8:45	93	PRELIMINARY STUDY ON DIVERSITY OF LEPIDOPTERON SPECIES IN THE DUNUMADALAWA FOREST RESERVE, KANDY, SRI LANKA	Chathurika D Kodithuwakkuarachchi
	8:45-9:00	105	URBAN BIRD DIVERSITY IN SELECTED LOCATIONS OF COLOMBO DISTRICT AND URBAN RESIDENT'S ATTITUDES TOWARD BIRDS IN THE NEIGHBOURHOOD	Kasuni A Perera
	9:00-9:15	145	MICROPLASTIC POLLUTION IN DONDRALAGOON, SOUTHERN COAST OF SRI LANKA; INFLUENCE ON HABITAT AND FEEDING MODE OF SELECTED FISH SPECIES	Narmada N Bandara
	9:15-9:30	172	FISH ASSEMBLAGE STRUCTURE AND ASSOCIATED ENVIRONMENTAL FACTORS OF RAWAN-OYA TRIBUTARY OF MAHAWELI RIVER	K. C. Weerakoon
	9:30-9:45	189	A COMPARISON OF BIRD DIVERSITY BETWEEN THE CORE AREA AND THE BUFFER ZONE OF BODHINAGALA FOREST RESERVE, SOUTH-WESTERN SRI	W. N. Madusanka
	9:45-10:00	<b>Panel Discussion</b>		

## Morning Tea

<b>10:30-12:30</b>	<b>Session ID</b>		<b>Session Chairs</b>		<b>Location</b>
	<b>EES4</b>		Prof. Nanda Balasooriya (nanda.balasooriya@sci.pdn.ac.lk)		<b>A3.1</b>
			Dr. Lalindra Ranaweera (laliwr@appsc.sab.ac.lk)		
	Time	Abstract ID	Title		Presenter
	10:30-10:45	3	SPATIAL MULTI-CRITERIA EVALUATION (SMCE) MODEL FOR LANDSLIDE HAZARD ZONATION USING GEOGRAPHIC INFORMATION SYSTEM (GIS) - A STUDY FROM KANDY DISTRICT		Asvini Senevirathna
	10:45-11:00	63	THE ANCIENT TANK CONSTRUCTION TECHNOLOGY IN NORTH CENTRAL DRY ZONE OF SRI LANKA: HYDRO-ECOLOGICAL ASSESSMENT		Sharmila W Goonathilake
	11:00-11:15	124	GROSSULAR-GARNET BEARING CALC-SILICATE FROM KAMBURUPITIYA, SOUTHERN HIGHLAND COMPLEX, SRI LANKA: IMPLICATIONS FOR ITS		Kasthuri Arachchige Geeth K. A.G. Sameera
	11:15-11:30	174	A WEB-BASED LANDSLIDE RISK DISSEMINATION PORTAL INCORPORATION BAYESIAN PROBABILISTIC RISK PREDICTION MECHANISM ON LANDSLIDE CAUSATIVE PARAMETERS		Hasitha G Rodrigo
	11:30-11:45	194	ESTIMATION OF SHORELINE CHANGES IN THE SOUTHERN COASTAL BELT OF SRI LANKA SPECIAL REFERENCE TO POLHENA BEACH USING GIS AND REMOTE		Amali Poornima Madarasinghe
11:45-12:00	<b>Panel Discussion</b>				

## Lunch Break

<b>1:30-3:30</b>	<b>Session ID</b>		<b>Session Chairs</b>		<b>Location</b>
	<b>EES5</b>		Dr. Bhatiya Athurupana		<b>A3.1</b>
			Dr. Manjula Wijesinghe (manjulaw@sci.pdn.ac.lk)		
	Time	Abstract ID	Title		Presenter
	1:30-1:45	62	EVALUATION OF DIFFERENT SUBSTRATES FOR HYDROLYSIS AND SUBSEQUENT METHANOGENESIS IN THE ANAEROBIC REACTOR		Menuka S Jayalath
	1:45-2:00	65	SELECTIVE ADSORPTION OF Pb(II) IONS ON Fe <sub>3</sub> O <sub>4</sub> /MgO NANOCOMPOSITES		M. Iqbal Ishra
	2:00-2:15	71	REMOVAL OF LEAD (II) FROM AQUEOUS SOLUTIONS BY PEELS OF BANANA VARIETY AVAILABLE IN SRI LANKA		Iroshinee N. Perera
	2:15-2:30	95	A PRELIMINARY INVESTIGATION ON THE QUALITY OF MUNICIPAL COMPOST		Shehan H Fernando
	2:30-2:45	152	INVESTIGATION OF RELEASE AND DETERIORATION OF CHRYSOTILE FIBRES IN CORRUGATED ASBESTOS-CEMENT ROOFING SHEETS		Lakshitha Sanjeewa
2:45-3:00	169	SOFT TEMPLATE-LESS ASSEMBLY OF A SHEATH OF NANOSTRUCTURED POLYANILINE ON LIGNOCELLULOSIC COIR FIBER: AN APPROACH TO A POROUS COMPOSITE SYNTHESIS BY IN-SITU POLYMERIZATION		Thilanka I Nawarathna	
3:00-3:15	200	SYNTHESIS OF CERIUM OXIDE NANOPARTICLES BY HYDROTHERMAL METHOD AND INVESTIGATION OF THEIR ANTIBACTERIAL ACTIVITIES		Swapnaja Shridhar Gajbhiye	
3:30-3:45	<b>Panel Discussion</b>				

via zoom