

CLEANUP 2024 PROGRAM

Sunday, 15 September 2024	Sunday, 15 September 2024					
	8.00 - 17.00	Exhibition and Poster Display Build, Halls 1				
	09.00 - 12.30	Workshop 1		Workshop 2		Workshop 3
		City Room 1		City Room 2	City Room 3	Workshop 4
		Advances in PFAS Analytical Chemistry: Data Interpretation and Effective Management of PFAS in Groundwater	PFAS Characterisation, Mass Flux, Incremental Sampling Methodology, Artificial Intelligence in Site Characterisation, and Balancing Legacy and Emerging Contaminants in Site Cleanup	Human Health Risk Assessment – the How to Guide	Data and PFAS Analytics – AI Approach and Case Studies	Workshop 5
						Room 101
	13.30 - 17.00	Workshop 1 Continued		Workshop 2 Continued		Workshop 3 Continued
		City Room 1		City Room 2	City Room 3	Workshop 4
		Advances in PFAS Analytical Chemistry: Data Interpretation and Effective Management of PFAS in Groundwater	PFAS Characterisation, Mass Flux, Incremental Sampling Methodology, Artificial Intelligence in Site Characterisation, and Balancing Legacy and Emerging Contaminants in Site Cleanup	Human Health Risk Assessment – the How to Guide	Asbestos-in-Soil (ASBIS) Master Class	
	18.00 - 18.30	Registration Open M				
	18.30 - 18.45	Welcome Dinner, Foyer M				

Monday, 16 September 2024	Monday, 16 September 2024							
	7.30	Exhibition and Poster Display Open, Halls 1						
	7.30	Registration Open, Foyer M						
	OFFICIAL CONFERENCE OPENING							
	8.45 - 9.00	Traditional Welcome to Country Ceremony						
	9.00 - 9.15	Official Conference Opening & Welcome						
	9.15 - 10.00	Commemorative Brian Robinson Lecture: One Planet, One Health: Uncovering the impact of pollution from the soil to the soul Ms. Natalia Rodriguez Eugenia, Global Soil Partnership, Food and Agriculture Organization of the United Nations						
	10.00 - 10.15	Global Soil Partnership and its Technical Network in Tackling Soil Pollution Sergio Lillo, Food and Agriculture Organization of the United Nations (FAO), Rome, Italy						
	10.15 - 10.45	Morning Tea and Poster Viewing - Hall 1						
	CONCURRENT SESSION 1							
	10.45 - 12.15	Session 1A PFAS Analytics		Session 1B PFAS Fate and Transport		Session 1C Advances in Site Characterisation and Implications to Conceptual Site Models	Session 1D Recent Advances in Remediation Technologies	Session 1E Environmental Policy and Guidance
		Hall 1		City Room 1		City Room 2	City Room 3	City Room 4
	10.45 - 11.00	239	293		195		306	300
	11.00 - 11.15							
	11.15 - 11.30	67	53		31		111	41
	11.30 - 11.45	217	152		40		43	235
	11.45 - 12.00	91	143		246		116	71
	12.00 - 12.15	13	104		238		188	180
	12.15 - 12.35	Lunch and Poster Viewing - Hall 1						
	PLENARY SESSION 1							
	13.15 - 14.00	Plenary Session 1: Theory-to-Practice: Soil Ecosystem Services for Delivering a Healthy Environment Dr Brent Clothier, Principal Scientist, Plant & Food Research, New Zealand Life Cycle Management Centre, Massey University						
	14.00 - 14.05	Move to sessions rooms						
	CONCURRENT SESSION 2							
	14.05 - 15.35	Session 2A PFAS Analytics		Session 2B PFAS Groundwater Modelling		Session 2C Advances in Site Characterisation and Implications to Conceptual Site Models	Session 2D Recent Advances in Remediation Technologies	Session 2E Environmental Policy and Guidance
		Sponsored by		Sponsored by		Sponsored by	Sponsored by	Sponsored by
		SGS		SGS		SGS	SGS	SGS
	14.05 - 14.20	135	140		84		235	244
	14.20 - 14.35							
	14.35 - 14.50	240	132		113		275	309
	14.50 - 15.05	29			206		200	
	15.05 - 15.20		302		3		96	234
	15.20 - 15.35	135	288		177		214	20
	15.35 - 16.05	Afternoon Tea and Poster Viewing - Hall 1						
	CONCURRENT SESSION 3							
	16.05 - 17.35	Session 3A PFAS Exposure		Session 3B PFAS Remediation		Session 3C Advances in Site Characterisation and Implications to Conceptual Site Models	Session 3D Recent Advances in Remediation Technologies	Session 3E Climate Change and Natural Disaster Management
		Sponsored by		Sponsored by		Sponsored by	Sponsored by	Sponsored by
		GHD		GHD		GHD	GHD	GHD
	16.05 - 16.20	182	279		87		97	140
	16.20 - 16.35						108	
	16.35 - 16.50		76		184		239	110
	16.50 - 17.05	121			4		44	127
	17.05 - 17.20	247	21		241		77	138
	17.20 - 17.35	240	47		108		53	133
	17.35 - 18.35	Drinks and Poster Session - Hall 1 Sponsored by						
		VEOLIA						
	18.45 - 18.50	Cleanup in the Pub						



Wednesday, 18 September 2024

18:00-18:30	Exhibition and Poster Displays Open - Hall 1						
18:30-18:45	Exhibition and Poster Displays Open - Hall 1						
18:45-19:00	Exhibition and Poster Displays Open - Hall 1						
PLENARY SESSION 3							
Hall B							
Welcome Day 3							
9:15-10:00	Henry Session 3: <i>Post-COVID Endocrine Disrupting Chemicals and Health: Effects on the Neuroendocrine System</i> Marino Fernandez, PhD, Associate Researcher, The Instituto de Biología y Medicina Experimental, Argentina						
10:00-10:30	Morning Tea and Poster Viewing - Hall 1						
CONCURRENT SESSION 7							
10:30-12:15	Session 7A PFAS Risk and Toxicity		Session 7B PFAS Biosolid		Session 7C Legacy Contaminants	Session 7D Recently Emerged and Emerging Contaminants	Session 7E One Health and Communication
10:30-10:45	Hall A		City Room 1		City Room 2	City Room 3	City Room 4
10:45-11:00	194	290	291	80	240		
11:00-11:15	RISK-BASED BENCHMARKS AND OTHER CONSIDERATIONS FOR ECOLOGICAL RISK ASSESSMENT OF PFAS - Greg Garvey, GSI Environment		UNDERSTANDING AND MANAGEMENT OF PER AND POLYFLUORINATED SUBSTANCES (PFAS) IN BIOSOLIDS, Distinguished Professor Andrew Bost, RMIT University		HALF A CENTURY OF SLOOOW PROGRESS ON RISK BASED REMEDIATION - LESSONS AND OPPORTUNITIES TO ACCELERATE, Paul National Land Quality Management Ltd	CHARACTERIZATION AND ECOLOGICAL RISK ASSESSMENT OF MICROPLASTICS IN SEDIMENTS OF A TROPICAL WEST AFRICAN LAGOON ECOSYSTEM, Professor Lucien Chikwue, University of Lagos, Lagos - Nigeria	EFFECTIVE COMMUNICATION OF RISK - TO COMMUNITIES AFFECTED BY SOIL CONTAMINATION, Michael Shapoval, ANCCORD
11:00-11:30	39	120	44	79	70		
11:30-11:45	EMERGING CONTAMINANTS IN WASTE INDUSTRY: CHALLENGES AND SOLUTIONS, Gus Morris, HUSBER Australia		PFAS IN BIOSOLIDS: TRANSFER TO SOIL AND CROPS PRESENTS RISKS TO CONSUMERS OF BEEF AND MILK, Summer Sheath, Minnesota Pollution Control Agency		PROTEIN IN TIME: DETECTING LEGACY HYDROCARBON CONTAMINATION USING PASSIVE SOIL GAS SAMPLING AT WILKES JUNCTION (EAST ANTARCTICA), Kathryn East, Australian Antarctic Division	ADVANCED MATERIALS AND MEMBRANES FOR ENHANCED MICROPLASTIC/NANOPLASTIC AND SYNERGETIC FOLLING RESISTANCE, Dr Mouassine Zargay, E.ON Covan University	DEVELOPING FRAMEWORKS THAT SUPPORT COMMUNICATION OF RISK OR AIR RISK AND RESPONSE, Am Karimov, Jacobs
11:45-12:00	ADDRESSING PFAS CHALLENGES IN WATER: VECUA RETURN OF EXPERIENCE IN NORTH AMERICA AND AUSTRALIA, M Mait Ead, Veolia		ARSENIC OXIDATION AND REMOVAL FROM WATER VIA CORE-SHELL NANOZINC/ALUMINATE ADSORPTION, Dr. Huiying Wang, The University of Newcastle		POTENTIAL OF BURSTERS ON THE MINERALOGICAL TRANSFORMATION OF MOST USED ASBESTOS, Ghazi Choppo, GCEB	OCCURRENCE AND DISTRIBUTION OF MICROPLASTIC POLLUTION IN PEERLAND AREAS, Dr. Ngoc Son Hoai Nguyen, Thai Nguyen University Of Agriculture And Forestry (Buoi), Vietnam	THE ART OF COMMUNICATING RISKS TO COMMUNITY: STRATEGIES FOR TECHNICAL PROFESSIONALS, Carlo Pignatelli, GHF Pty Ltd
12:00-12:15	REFRESHING FOAM TRANSITION - ARE WE DONE YET? STATUS AND STATE OF THE ART, Peter Storch, Accorda Australia Pacific		EXPLORING THE FATE OF PFAS IN BIOSOLIDS PYROLYSIS THROUGH PYROCO PILOT PLANT, Aarind Surampeni, RMT University		POTENTIAL OF BURSTERS ON THE MINERALOGICAL TRANSFORMATION OF MOST USED ASBESTOS, Ghazi Choppo, GCEB	MACHINE LEARNING APPROACHES FOR PREDICTING MICROPLASTIC POLLUTION IN PEERLAND AREAS, Dr. Huiying Wang, Thai Nguyen University Of Agriculture And Forestry (Buoi), Vietnam	ASSESSING THE IMPACT OF HEAVY CHEMICAL FERTILIZER USE ON SOIL HEALTH IN CAMEROON, Nizaro Georges Marjol, Research and Innovation Agency
12:15-12:30	INVESTIGATING THE TOXICITY OF PERFLUOROOCTANE SULFONIC ACID (PFOS) ON GROUNDWATER ECOSYSTEMS AND ANIMALS, Dr. H.A. Ayarola, Wyoowadana, The University of Newcastle and elsewhere		PFAS IN BIOSOLIDS - IS EVERYONE MEASURING THE SAME THING? INSIGHTS FROM A PROFICIENCY TESTING STUDY, Mait Ead, Veolia		TOWARDS A RISK-BASED APPROACH TO THE TRANSPORT OF SOIL CONTAINING ASBESTOS, Simon Mason, Agon Environmental	CARBAMAZEPINE AND ELEMENTAL CONCENTRATION IN EFFLUENT WATER OF WASTEWATER TREATMENT PLANTS THAT FITS IN RECENT EMERGED AND EMERGING CONTAMINANT (DRUGS), Gannesh Sagar, Department Of Marine And Environmental Sciences	HEAVY METAL IN INDOONESIAN PADDY SOILS: STATUS AND IMPLICATION TO ONE HEALTH, Yis Solomon, National Research and Innovation Agency
12:30-12:45	KEY PFAS LAND USES IN THE YANGTZE RIVER DELTA OF CHINA: IMPLICATIONS FOR ENVIRONMENTAL MANAGEMENT PRACTICES, Dr. Yueshan Cheng, Suzhou University of Science and Technology		PFAS IN BIOSOLIDS - IS EVERYONE MEASURING THE SAME THING? INSIGHTS FROM A PROFICIENCY TESTING STUDY, Mait Ead, Veolia		BIOACCESSIBILITY AND HEALTH RISK ASSESSMENT OF ARSENIC IN CHILDREN'S DIETS FROM ARSENIC ENDEMIC AREA IN BANGLADESH, Aijaz Mohammad Mohamud Rahman, The University of Newcastle	DISTRIBUTION AND RISK ASSESSMENT OF MICROPLASTICS IN AGRICULTURAL SOILS, Va. Kuthia Sanghvi, Tamil Nadu Agricultural University	EFFECTIVE RISK COMMUNICATION: WHAT DOES IT TAKE?, Dr. Kate Hughes, Ecology Data Bank Services
12:45-13:00	Lunch and Poster Viewing - Hall 1						
CONCURRENT SESSION 8							
13:05-14:30	Session 8A PFAS Risk and Toxicity		Session 8B Waste and Circular Economy		Session 8C Legacy Contaminants	Session 8D Recently Emerged and Emerging Contaminants	Session 8E Risk Characterisation including Bio Availability
13:05-13:20	Hall A		City Room 1		City Room 2	City Room 3	City Room 4
13:20-13:35	298	299	170	240	119		
13:35-13:50	USE OF RISK-BASED SAMPLING METHODS AND "TOTAL PFAS RISK" TO EXPLORE ASSESSMENT AND REMEDIATION OF PFAS-CONTAMINATED SITES, Roger Brewer, Howard Department of Health		WHAT'S UBIQUITOUS AND OPAQUE? A DISCUSSION OF CIRCULAR ECONOMY, ESG AND WASTE, Nola Smith, Telus Holding Group		MANAGING PERSISTENT ORGANIC POLLUTANTS (POPs) LEGACY POPs, EMERGING CHEMICALS, PLASTICS, AND HOUSEHOLD CHEMICALS, Prof Ming Hung Wong, The Education University of Hong Kong	LYING WITH CHEMICALS: UNDERSTANDING THE SOURCES AND RISK FROM CONTAMINANTS IN HOMES AND GARDENS, Kara Hoy, Environment Protection Authority Victoria	MINNESOTA'S APPROACH TO DERIVATION OF PFAS CRITERIA FOR THE PROTECTION OF HUMAN HEALTH, Summer Sheath, Minnesota Pollution Control Agency
13:50-14:05	276	230	77	210	20		
14:05-14:20	ADDRESSING KEY UNCERTAINTIES IN RISK ASSESSMENT THROUGH THE LATEST SAMPLING AND ANALYTICAL METHODS FOR CONCRETE IMPACTED BY PFAS AT FIRE TRAINING AREAS, M Gerard Wilkins, ALS		ESTABLISHING BASELINE CONTAMINATION OF MICROPLASTICS IN ORGANIC WASTES, Dr Mike Williams, Cato		DEVELOPMENT OF AN ADAPTIVE FRAMEWORK FOR OPTIMISING BIODEGRADATION IMPLEMENTATION AT A FRACTURED BEDROCK CHLORINATED SOLVENT CHLAP SITE, Dr Matthew Lee, Geosyntec	EXTRACTION OF GLYPHOSATE AND AMINOETHYLPHOSPHONIC ACID FROM CONTAMINATED AUSTRALIAN SOILS - 18th Mid-report, P. Velthuis, GCEB - University of Newcastle	THIRTY MORE: CLIMATE-DEPENDENT STOCK WATER SCREENING LEVELS FOR THE BROAD PFAS FAMILY, Kate Richardson, Servants
14:20-14:35	90	33	63	15	58		
14:35-14:50	ASSESSING THE DISTRIBUTION AND ENVIRONMENTAL RISK OF PFAS AT A HISTORICAL CONCRETE PAD, Dr Matthew Askeford, ALS Consulting Group Pty Ltd		TOWARDS SUSTAINABLE WASTE MANAGEMENT: UNDERSTANDING HEAVY METAL ENRICHMENT IN MWM BOTTOM ASH, MSc Thomas Kemnitz, Montanuniversität Leoben		OPTIMIZING CHEMICAL FIXATION TECHNIQUES FOR EFFECTIVE LEAD IMMOBILIZATION IN GARNET WASTE, MSc Emily Bloomfield, Veolia Environmental Services	MICRO-/NANOPLASTICS IN OUR DAILY LIVES, Cheng Fang, UoN	MEASURING THE IMPACT OF BIO-ACCESSIBLE PFAS ON COOKED RICE FROM CHROMATE-ASESTOS MINE WASTE CONTAMINATED SOIL: PREDICTING ANTHROPOGENIC AND DIETARY RISK BY EMPLOYING MODELS, Ms. Susha Banerjee, Indian Statistical Institute
14:50-15:05	18	173	189	214	143		
15:05-15:20	REDUCING PFAS LOADS IN STORMWATER AT A FUEL TERMINAL, M Stuart Dearn, Auricon		CLOSING THE LOOP ON NAPPES: AN ASSESSMENT, Dr Anu Kumar, CSIRO		CO-ABSORPTION OF ANIONIC AND METALS ONTO IRON MINERALS, M. Bielefeld, GCEB	ASSESSING THE RISK OF CONTAMINANTS OF EMERGING CONCERN IN WASTEWATER USING EFFECTS-BASED METHODS, Huiying Wang, UoN	ASSESSING PFAS RISK FROM SITE SOURCES - A MASS FLUX APPROACH COMPARED TO BIOA CONCENTRATION DATA, Kathleen Probst, ERM Australia Pty Ltd
15:20-15:35	295	34	22	304	149		
15:35-15:50	BIOAVAILABILITY OF PFOS, PFHOS AND PFOS IN SOIL-METHOD DEVELOPMENT AND RECOMMENDATIONS IN VIVO STUDY, Luchan Quan, University of Newcastle		SELECTIVE GENERATION OF PHYSICAL SEPARATION TRAITS FOR PROCESSING MATERIAL FROM LAMINATE, Dpt-ing Paul Dettmerich, Montanuniversität Leoben		ADVANCES IN THE CHARACTERIZATION AND REMEDIATION OF DUMP-CONTAMINATED SITES: INSIGHTS FROM A COLLABORATIVE EFFORT, Dr. Jorán García-Rodríguez, Legión Dilling	QUANTITATIVE ANALYSIS OF FIVE PESTICIDES TO DETERMINE THEIR PRE-ANALYSIS INTERVAL IN 360 LAMINATE BITER GUARD, MSc Vitoello Leshon, University of Newcastle	VAPOR INTRUSION RISK ASSESSMENT - DO YOU HAVE THE RIGHT DATA?, M. Ken Keller, ERM
15:50-16:05	301	164	144	248	244		
16:05-16:20	DYNAMICS OF PER- AND POLYFLUORINATED SUBSTANCES (PFAS) AND EXPOSURE PATHWAYS IN AFF-IMPACTED MINING SITES OF WESTERN AUSTRALIA, Fongqi Qi, University of Newcastle		ASBESTOS IN THE SOUTH PACIFIC: CLEAN-UP AND RISKS DURING NATURAL DISASTERS, M. Alvin Chong, The University of the South Pacific		EMERGING CONTAMINANTS IN CROPS IRRIGATED BY RECYCLED WASTEWATER, Dr. Seng Li, CSIRO	SOIL BIOAVAILABILITY - THE MISSING (BUT POWERFUL) STEP, Dr. Belinda Goldworthy, eRMAS	
16:20-16:35	Afternoon Tea and Poster Viewing - Hall 1						
PLENARY SESSION 4 & 5							
Hall B							
Plenary Session 4: <i>Caring for Land and Water as Chartered by the Indigenous Community</i>							
18:15-18:45	Professor Peter Rodol FERNANDEZ, Rodol & Associates Willemstown, Australia						
18:45-19:15	Plenary Session 5: <i>Preventing and managing soil contamination: The EU approach</i>						
19:15-19:30	Dr. Bono Pirelli, Policy officer - Soil team Directorate-General for Environment of the European Commission, Brussels (Virtual)						
Conference Closing							
19:30-19:45	Award Presentation, Delegate Prize Announcements, Closing Remarks						

Thursday, 19 September 2024

9:00-10:30	Technical Tour departing from West entrance of Adelaide Convention Centre (Meet at 8:30am for a 9:00am departure)	PFAS Research Symposium (Invite only) City Rooms 1-3
11:00-12:30		
13:30-15:00		
15:30-17:00		

Wednesday, 18 September 2024

POSTER PRESENTATIONS

7	P1	ECO-TECHNOLOGICAL APPROACHES BY FREE-FLOATING PLANTS AND MICROBIAL ELECTROCHEMICAL PROCESSES FOR THE SUSTAINABLE BIOREMOVAL OF POLLUTANTS AND RECOVERY OF NUTRIENTS FROM WASTEWATER, Dr. Usharani Rathinam Krishnaswamy, Department of Civil & Environmental Engineering, UNESP, Sao Paulo State University, Bauru, SP, Brazil
12	P2	EXPLORING THE ECOLOGICAL RISK FOR METAL CONTAMINATION IN SEDIMENTS THROUGH THE APPLICATION OF DGT TECHNIQUE, Ms. Liang-Li Chang, Apollo Technology Co., Ltd.
19	P3	HUNTING THE SOURCE, Brad Dermody, Aurora Environmental
23	P4	INVESTIGATION OF MOBILE, RESIDUAL, AND ENTRAPPED LNAPL USING LASER-INDUCED FLUORESCENCE AS A LINE OF EVIDENCE, Dr Jonás García-Rincón, Legion Drilling
35	P5	OBSERVATIONS ON THE ROAD TO ENHANCING NSZD AT A PETROLEUM PIPELINE RELEASE SITE, Matt Rousseau, GHD
37	P6	DEGRADATION OF PER- AND POLYFLUOROALKYL SUBSTANCE (PFAS) IN AQUEOUS FILM FORMING FOAM (AFFF) AND FOAM FRACTIONATE BY ULTRASOUND., Mr Olalekan Simon Awoyemi, Gcer, University Of Newcastle
38	P7	ULTRASONIC DEFLUORINATION OF PFAS: EFFICIENCY VERSUS ABSOLUTE AMOUNT, Mr Olalekan Simon Awoyemi, Gcer, University Of Newcastle
43	P8	PFAS ANALYSIS ON THE SCIEX 7500 SYSTEM: 15 MONTHS OF ROBUSTNESS DATA, Dr Charlie Liu, SCIEX
45	P9	PEOPLE AND PFAS: QUANTITATION IN HUMAN SERUM AND BLOOD USING VOLUMETRIC ABSORPTIVE MICROSAMPLING (VAMS), Dr Charlie Liu, SCIEX
51	P10	LEAD ABATEMENT AND ISOLATION IN VULNERABLE COMMUNITIES, Dr Henry Ellis, Enviropacific
54	P11	DETERMINING THE SOURCE OF ODOUR FROM A STORMWATER DISCHARGE USING MULTIPLE LINES OF EVIDENCE APPROACH, Mr. Roderick Zhang, WSP Australia
72	P12	MANAGING THE RISK OF SAMPLING PFAS AT A CHLORINATED HYDROCARBON SITE, Sid Park, Jacobs
74	P13	SC-PFAS REMOVAL BY CATIONIC FUNCTIONALISED FLAX, Miss Shailja Data, University of Auckland
75	P14	REINFORCING THE NEED FOR A MIXED-GAS APPROACH TO OPTIMISE PFAS REMOVAL EFFICIENCY IN FOAM FRACTIONATION, Mr Justin Baulch, Evocra Pty Ltd
93	P15	MAKE YOUR OWN SUSTAINABLE AND GREEN LAB GRADE NITROGEN GAS, Dr Nicole Pendini, Peak Scientific
102	P16	FARMERS' PERCEPTION REGARDING GREENHOUSE GAS EMISSIONS FROM RICE CULTIVATION IN BANGLADESH AND MITIGATION POTENTIAL, Mr Md Maruf BILLAH, Global Centre For Environmental Remediation
105	P17	STABILIZATION AND REDUCTION OF THE SHORT- AND LONG-CHAIN PER- AND POLY-FLUOROALKYL SUBSTANCES IN CONTAMINATED SOIL, Dr Rahim Shahrokhi, Seoul National University
103	P18	SOIL VAPOUR CONCENTRATION PROFILING TO IDENTIFY CONTAMINANT SOURCE ZONES USING THE NEW HEADSPACE-IN-VIAL SAMPLING & ANALYSIS METHOD, Mr Adrian Heggie, WSP Australia
115	P19	"FOREVER EVOLVING" FOR "FOREVER CHEMICALS" NMI PFAS PROFICIENCY TESTING, Mark Lewin, National Measurement Institute
122	P20	THE MACHANO-CHEMICAL EFFECT OF BALL MILLING ON VARIOUS HALLOYSITE NANOTUBES AND THEIR CARBON CAPTURE PERFORMANCE, Mr Siavash Davoodi, University Of Newcastle
123	P21	COAL AND COAL COMBUSTION BYPRODUCTS AND ENVIRONMENTAL ISSUES THAT FITS IN IN LEGACY CONTAMINANTS (TOXIC METALS), Kenneth Sajwan, Department Of Marine And Environmental Sciences
128	P22	A NEW CLIMATE-CHANGE CONCERN: GROUNDWATER RISE AND GEOCHEMICAL AFFECTS FROM AN INCREASING SEA LEVEL AND INFLUENCE ON CONTAMINANT CONDITIONS, Scott Warner, University of Newcastle, Australia / BBJ Group USA
130	P23	CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, Anjuman Ara Rajonee, University of Newcastle
133	P24	VEOLIA LANDFILL LEACHATE PFAS TREATMENT JOURNEY, Don Kuai, Veolia
139	P25	ROTUMA FUEL TERMINAL DEMOLITION - CHALLENGES IN REMOTE SITE REMEDIATION, Mr Isaac Segal, Kleinfelder
144	P26	HYDROCARBON RISK TO REMEDIATION – A PROPOSED BASEMENT DEVELOPMENT CASE STUDY, Kathleen Prohasky, ERM Australia Pty Ltd
146	P27	DEVELOPMENT OF AN ON-SITE THRESHOLD DETECTION TOOL FOR HYDROCARBON CONTAMINATION IN SOILS, Ms. Deeksha Beniwal, Ziltek
147	P28	ARSENIC CONTAMINATION IN A CREEK ADJACENT TO A FORMER GOLD MINING: PHU LEK, LOEI PROVINCE THAILAND, Assoc. Prof. Netnapid Tantemsapaya, Suranaree University Of Technology

148	P29	PFAS IN THE VADOSE ZONE – A CONCEPTUAL MODEL: PART 1 KEY PROCESSES THAT REQUIRE CONSIDERATION, Dr. Peter Beck, Ghd Pty. Ltd.
150	P30	PFAS IN THE VADOSE ZONE – A CONCEPTUAL MODEL: PART 2 APPICATION TO AUSTRALIAN SOILS, Dr. Peter Beck, Ghd Pty. Ltd.
154	P31	CARBON STOCK STATUS AND ITS ECOSYSTEM SERVICES VALUATION OF SOIL UNDER MAIZE - WHEAT - MUNG BEAN CROPPING SYSTEM OF LONG-TERM CONSERVATION AGRICULTURE FIELDS, Dr. GK Dinesh, SRM College of Agricultural Sciences
156	P32	UNLOCKING THE POTENTIAL OF VERMICOMPOST: ENHANCING SOIL HEALTH AND MITIGATING POLLUTION, Ms. Monika Mahajan, Banaras Hindu University
157	P33	UNDERSTANDING THE SOURCES, TOXICITY, RISK ASSESSMENTS AND REMEDIATION OF MERCURY - CONTAMINATED SOILS – A LOOK AT THE CURRENT APPROACHES., Ms Sofia B Shah, USP
171	P34	FROM CONVENIENCE TO CONCERN: MICROPLASTIC SHEDDING BETWEEN BOTTLES AND CAPS IN CONSUMER PRODUCTS, Mr Siyuan Liu, University of Newcastle
172	P35	ZEOLITE SYNTHESIS FROM COAL FLY ASH FOR CO2 CAPTURE AND UTILISATION, Dr Md Rashidul Islam, The University of Newcastle
178	P36	PFAS CONTAMINATION IN POULTRY FARMS, Roheela Yasmeen, Lahore Garrison University
179	P37	EFFECT OF SILICON NANOPARTICLES ON CADMIUM TRANSLOCATION AND YIELD OF RICE UNDER CADMIUM STRESS , Md Tofail Hosain, Global Centre For Environmental Remediation (gcer), The University Of Newcastle, Callaghan, Nsw 2308, Australia
181	P38	VARIETAL DIFFERENCE IN GRAIN TOTAL AND SPECIATED ARSENIC CONCENTRATIONS OF IRRIGATED RICE IN BANGLADESH, Mr Md Imran Ullah Sarkar, The University Of Newcastle
183	P39	UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamila Samarasinghe, Global Centre for Environmental Remediation
185	P40	ANALYSIS OF JET FUEL ADDITIVES AND THEIR METABOLITES IN JET FUEL, GROUNDWATER AND SOIL BY GAS AND LIQUID CHROMATOGRAPHY – MASS SPECTROMETRY, Doctor Francisca Munyeza, University Of Newcastle
191	P41	CHARACTERISTICS AND INFLUENCING FACTORS OF ORGANIC CARBON CONTENT IN PURPLE SOIL CULTIVATED LAND IN SICHUAN BASIN, CHINA, Jingling Xue, University Of Newcastle
195	P42	ECO-FRIENDLY AND ECONOMICALLY AFFORDABLE NANOENCAPSULATED PESTICIDE FORMULATION: A FRONTIER IN NEXT GENERATION AGRICULTURE, Dr Santosh Kumar Paul, The University of Newcastle, Australia
196	P43	ADVANCING PFAS SEPARATION FROM SOLUTION USING HIGH SHEAR MIXTURES, Dr Shervin Kabiri, University Of Adelaide
207	P44	ADDRESSING FOOD SAFETY IN URBAN AGRICULTURE, Dr Md Meftaul Islam, The University Of Newcastle
208	P45	DEGRADATION OF HERBICIDES IN VARIED AUSTRALIAN SOILS: POSSIBLE IMPACTS ON NON-TARGET BIOTA, Aney Parven, The University Of Newcastle
209	P46	HEAVY METAL CONTENT IN WATER, SOIL AND PLANT ADJACENT TO TEXTILE INDUSTRY, Ms Kamrun Nahar Mousomi, GCER, University of Newcastle, Australia
211	P47	ARE BIOPESTICIDES EFFECTIVE AGAINST BRINJAL PEST?, Fatima Farhana, GCER, University of Newcastle
212	P48	THE BIOAVAILABILITY REDUCTION OF COPPER IN BIOSOLIDS BLENDED WITH BENTONITE IN AGRICULTURAL UTILIZATION, Associate Professor Dr. Thammared Chuasavathi, Khon Kaen University
215	P49	REMEDIATION OF HYDROPHOBIC SOILS USING MICROBIAL TREATMENT IN CONJUNCTION WITH BIOCHAR AND CLAY, Mrs. Naveeda majid, University of Newcastle
219	P50	SPATIAL VARIATION OF HEAVY METAL(LOIDS)S IN PADDY SOIL OF CKDU ENDEMIC AREA , Dr Mudalige Kulathunga, Department Of Agriculture
222	P51	CARBAMAZEPINE TOXICITY IN LEMNA SP., Mrs Andrea Carpio, University Of Newcastle
223	P52	INFLUENCE OF POLYETHYLENE AND POLYVINYL CHLORIDE MICROPLASTICS ON SEED GERMINATION OF BARLEY AND MUNG BEAN, Ms Tapati Roy, GCER, The University Of Newcastle, Callaghan, 2308, Australia
228	P53	THE ROLE OF GEOCHEMISTRY AS A FUNCTION OF ALLUVIAL FAN AGING IN ORGANIC CARBON STABILISATION, Dr Amir Mohseni, University of Newcastle

229	P54	MINING IN THE UNITED STATES, Professor And Director Kenneth Sajwan, Savannah State University
232	P55	QUANTIFYING GROUNDWATER PROCESSES ALONG THE MURRAY VALLEY BY INTERPRETING TIME SERIES DATA USING IMPULSE RESPONSE FUNCTIONS, Dr Mark Hocking, Tetra Tech Coffey
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