

CLEANUP 2024 PROGRAM

Sunday, 15 September 2024	Sunday, 15 September 2024					
	8.00 - 17.00	Exhibition and Poster Display Build, Hall L				
	09.00 - 12.30	Workshop 1		Workshop 2		Workshop 3
		City Room 1		City Room 2	City Room 3	City Room 4
		Advances in PFAS Analytical Chemistry, Data Interpretation, and Effective Management of PFAS in Groundwater	Site Characterization, Mass Flux, Incremental Sampling Methodology, Artificial Intelligence in the 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	Faster, Better, Cheaper: Risk-Based Investigation and Remediation (DRAFT 6.09.24)
	13.30 - 17.00	Workshop 1 Continued		Workshop 2 Continued		Workshop 3 Continued
		City Room 1	City Room 2	City Room 3	City Room 4	
		Advances in PFAS Analytical Chemistry, Data Interpretation, and Effective Management of PFAS in Groundwater	Site Characterization, Mass Flux, Incremental Sampling Methodology, Artificial Intelligence in the Characterisation, and Balancing Legacy and Emerging Contaminants in Site Cleanup	Human Health Risk Assessment – the How to Guide	Asbestos-in-Soil (AIRMS) Master Class	
	18.00 - 18.30	Registration Foyer M				
	18.30 - 18.45	Speaker Support, Foyer M				
	17.30 - 18.30	Welcome drinks, Foyer M				

Monday, 16 September 2024	Monday, 16 September 2024							
	7.30	Exhibition and Poster Display Open, Hall L						
	7.30	Speaker Support, Foyer M						
	7.30	Registration Open, Foyer M						
	OFFICIAL CONFERENCE OPENING							
	Hall M	Traditional Welcome to Country Ceremony						
	8.45 - 9.00	Official Conference Opening & Welcome						
	9.00 - 9.15	Commemorative Brian Robinson Lecture: One Planet, One Health: Uncovering the impact of pollution from the soil to the soul						
	9.15 - 10.00	Ms. Natalia Rodriguez Eggen, 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						
	10.00 - 10.15	Sergey Litov, Food and Agriculture Organization of the United Nations (FAO), Rome, Italy						
	10.15 - 10.45	Morning Tea and Poster Viewing - Hall L						
	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 M		City Room 1		City Room 2	City Room 3	City Room 4
	10.45 - 11.00	209	203	193	308	300	LEGACY CONTAMINATION: EPA VICTORIA PERSPECTIVE, Dr Lee Miles, EPA VIC	
	11.00 - 11.15						EMERGING TECHNOLOGIES FOR CONTAMINATED SITES, Mengfeng Chen, Chinese Academy of Sciences	
	11.15 - 11.30	47	53	31	111	41	ENHANCING GUIDANCE FOR THE HUMAN HEALTH RISK ASSESSMENT OF VOLATILE CHLORINATED HYDROCARBON VAPOUR INTRUSION, Dr Ian Davies, SA Health	
	11.30 - 11.45	217	152	40	43	255	REACHABILITY BASED SOIL GUIDELINES, Laureate Prof Ravi Naidu, University of Newcastle	
	11.45 - 12.00	91	143	244	118	71	TECHNICAL CHALLENGES FOR CONTAMINATED LAND PRACTITIONERS WHEN CONSIDERING RECENT HUMAN HEALTH GUIDANCE, Torrey Howell, Jacobs	
	12.00 - 12.15	133	104	238	189	180	PROMISE: BETT FOR ACTIVE ACTIVITIES USING CHEM-1 AND INAP, Tony Lu, University of Newcastle	
	12.15 - 12.30	Lunch and Poster Viewing - Hall L						
	PLENARY SESSION 1							
	Hall M	Plenary Session 1: Theory-to-Practice: Soil Ecosystem Services for Delivering a Healthy Environment						
	13.15 - 14.00	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
		HALL M		City Room 1	City Room 2	City Room 3	City Room 4	
	14.05 - 14.20	155	160	86	225	244	MASS FLUX-BASED CRITERIA FOR THE MANAGEMENT OF GROUNDWATER CONTAMINATION, Greg Davis, CSIRO	
	14.20 - 14.35							
	14.35 - 14.50	340	132	113	377	309	AN OVERVIEW OF PROGRESS FROM NCOL'S PFAS WORKING GROUP, Mr Gwenda Williams, AEC Laboratories	
	14.50 - 15.05	29	302	206	203	234		
	15.05 - 15.20	44	5	5	19	234		
	15.20 - 15.35	153	288	177	218	20		
	15.35 - 16.05	Afternoon Tea and Poster Viewing - Hall L						
	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
		HALL M		City Room 1	City Room 2	City Room 3	City Room 4	
	16.05 - 16.20	182	279	87	97	140	THE IMPORTANCE OF CLIMATE TO REMEDIAL ACTIONS AND TECHNOLOGY PERFORMANCE FOR GROUNDWATER CLEANUP, Geoff Wilson, University of Newcastle, Australia / BGI Group, USA	
	16.20 - 16.35							
	16.35 - 16.50	121	76	184	229	170	UTILISING AUSTRALIAN CATALYTIC MATERIALS TO COMBAT METHANE EMISSION FROM CATTLE BARRIERS, Dr Ian Roberts, Ison, The University of Newcastle	
	16.50 - 17.05	92	92	4	44	127	EFFECTS OF MANAGEMENT PRACTICES ON SOIL ORGANIC CARBON DYNAMICS IN RANGELAND ECOSYSTEMS, Dr Simon Robson, University of Newcastle	
	17.05 - 17.20	247	21	241	77	138		
	17.20 - 17.35	240	47	108	53	153		
	17.35 - 18.35	Drinks and Poster Session - Hall L						
		Sponsored by						
		VEOLIA						
18.45 - 18.50	Cleanup in The Pub							

Tuesday, 17 September 2024

Wednesday, 18 September 2024

8:00	Exhibition and Poster Displays Open, Hall L				
9:00	Breakfast Support, Foyer M				
9:00	Registration, Foyer M				
PLENARY SESSION 3					
Hall M					
8:20-9:15	Welcome Day 3				
9:15-10:00	Plenary Session 3: Toxicity, Endocrine Disrupting Chemicals and Health: Effects on the Neuroendocrine System Marina Fernandez, PhD, Associate Researcher, The Instituto de Biología y Medicina Experimental, Argentina				
10:00-10:30	Morning Tea and Poster Viewing - Hall L				
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
	Hall M	City Room 1	City Room 2	City Room 3	City Room 4
10:30-10:45					
10:45-11:00	194 RISK-BASED BENCHMARKS AND OTHER CONSIDERATIONS FOR ECOLOGICAL RISK ASSESSMENT OF PFAS - Greg Garvey, GSI Environment	290 UNDERSTANDING AND MANAGEMENT OF PER AND POLYFLUORINATED SUBSTANCES (PFAS) IN BIOSOLIDS, Distinguished Professor Andrew Boll, RMIT University	291 HALF A CENTURY OF SLOWDOWN PROGRESS ON RISK BASED REMEDIATION - LESSONS AND OPPORTUNITIES TO ACCELERATE, Paul Nathaniel, Local Quality Management Ltd Nottingham	80 CHARACTERIZATION AND ECOLOGICAL RISK ASSESSMENT OF MICROPLASTICS IN SEDIMENTS OF A TROPICAL WEST AFRICAN LAGOON ECOSYSTEM, Professor Lucien Chikwe, University of Lagos, Lagos - Nigeria	240 EFFECTIVE COMMUNICATION OF RISK - TO COMMUNITIES AFFECTED BY SOIL CONTAMINATION, Michael Staphord, ANCCORD
11:00-11:15	39 EMERGING CONTAMINANTS IN WASTE INDUSTRY: CHALLENGES AND SOLUTIONS, Gus Morris, HUSSEY Australia	120 PFAS IN BIOSOLIDS: TRANSFER TO SOIL AND CROPS PRESENTS RISKS TO CONSUMERS OF BEEF AND HAM, Summer Street, Minnesota Pollution Control Agency	44 FROZEN IN TIME: DETECTING LEGACY HYDROCARBON CONTAMINATION USING PASSIVE SOIL GAS SAMPLING AT WICKES STATION, EAST ANTHARCICA, Kathryn East, Australian Antarctic Division	79 ADVANCED MATERIALS AND MEMBRANES FOR ENHANCED MICROPLASTIC/NAHOPLASTIC AND SYNERGISTIC FOLLING RESISTANCE, Dr Hassanmeh Zargari, Edith Cowan University	70 DEVELOPING FRAMEWORKS THAT SUPPORT COMMUNICATION OF RISK/OF AIR RISK AND RESPONSE - Neil Kerkorian, Jacobs
11:15-11:30	134 ADDRESSING PFAS CHALLENGES IN WATER: VECULA RETURN OF EXPERIENCE IN NORTH AMERICA AND AUSTRALIA, IM MOUT EAD, Veolia	203 ARSENIC OXIDATION AND REMOVAL FROM WATER VIA CORE-SHELL ANIOXIDE/AL(OH)3 NANOCOMPOSITE ADSORPTION, Dr Yutong Wang, The University Of New-Castle	100 OCCURRENCE AND DISTRIBUTION OF MICROPLASTIC POLLUTION IN PEERLAND AREAS, Dr. Ngoc Son Ha Nguyen, Thai Nguyen University Of Agriculture And Forestry (Tua), Vietnam	174 THE ART OF COMMUNICATING RISKS TO COMMUNITY: STRATEGIES FOR TECHNICAL PROFESSIONALS, Carla Pignatelli, GHF Pty Ltd	
11:30-11:45	144 REFRIGERANT FOAM TRANSITION - ARE WE DONE YET? STATUS AND STATE OF THE ART, Peter Storch, Accorda Australia Pacific	243 EXPLORING THE FATE OF PFAS IN BIOSOLIDS: PYROLYSIS THROUGH PYROCO PILOT PLANT, Atsuhiko Saitoh, RMT University	244 POTENTIAL OF BIURETINS ON THE MINERALOGICAL TRANSFORMATION OF MOST USED ASBESTOS, Ghisl Chappard, GCEH	101 MACHINE LEARNING APPROACHES FOR PREDICTING MICROPLASTIC POLLUTION IN PEERLAND AREAS, Dr. Huu Tuan Tran, Thai Nguyen University Of Agriculture And Forestry (Tua), Vietnam	297 ASSESSING THE IMPACT OF HEAVY CHEMICAL FERTILIZER USE ON SOIL HEALTH IN CAMEROON, Nabaro Georges Mordji, University of Dschang
11:45-12:00	174 INVESTIGATING THE TOXICITY OF PERFLUOROOCTANE SULFONIC ACID (PFOS) ON GROUNDWATER BIOSOLIDS AND ANTIMICROBIALS, Dr RAA, Ayarika Mpyawadana, The University of Newcastle and elsewhere	107 PFAS IN BIOSOLIDS - IS EVERYONE MEASURING THE SAME THING? INSIGHTS FROM A PROFICIENCY TESTING STUDY, MS Luminda Arlin, National Measurement Institute	28 TOWARDS A RISK-BASED APPROACH TO THE TRANSPORT OF SOIL CONTAINING ASBESTOS, Simon Mason, Argon Environmental	124 CARBAMAZEPINE AND ELEMENTAL CONCENTRATION IN EFFLUENT WATER OF WASTEWATER TREATMENT PLANTS THAT FITS IN RECENT EMERGED AND EMERGING CONTAMINANT (DRUGS), Esmaili Salami, Department Of Marine And Environmental Sciences	296 HEAVY METAL IN INDOONESIAN PADDY SOILS: STATUS AND IMPLICATION TO ONE HEALTH, Yiti Sulaiman, National Research and Innovation Agency
12:00-12:15	131 KEY PFAS LAND USES IN THE YANGTZE RIVER DELTA OF CHINA: IMPLICATIONS FOR ENVIRONMENTAL MANAGEMENT PRACTICES, Dr Yuanyuan Cheng, Suzhou University of Science and Technology		192 BIOACCESSIBILITY AND HEALTH RISK ASSESSMENT OF ARSENIC IN CHILDREN'S DIETS FROM ARSENIC ENDEMIC AREA IN BANGLADESH, Aljoud Mohammad Mohamud Rahman, The University of Newcastle	148 DISTRIBUTION AND RISK ASSESSMENT OF MICROPLASTICS IN AGRICULTURAL SOILS, Ms Komkha Songkudra, Tamil Nadu Agricultural University	254 EFFECTIVE RISK COMMUNICATION: WHAT DOES IT TAKE? Dr Kate Hughes, Ecology Data Bank Services
12:15-12:30	Lunch and Poster Viewing - Hall L				
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
	Hall M	City Room 1	City Room 2	City Room 3	City Room 4
13:05-13:20					
13:20-13:35	258 USE OF RISK-BASED SAMPLING METHODS AND "TOTAL PFAS RISK" TO OPTIMIZE ASSESSMENT AND REMEDIATION OF PFAS-CONTAMINATED SITES, Roger Brewer, Howard Department Of Health	299 WHAT'S UBIQUITOUS AND OPAQUE? A DISCUSSION OF CIRCULAR ECONOMY, ESG AND WASTE, Kate Smith, Iellus Holding Group	175 MANAGING PERSISTENT ORGANIC POLLUTANTS (POPs): LEGACY POPs, EMERGING CHEMICALS, PLASTICS, AND HOUSEHOLD DIRTY DOZEN, Prof Ming Hung Wong, The Education University of Hong Kong	249 LIVING WITH CHEMICALS: UNDERSTANDING THE SOURCES AND RISK FROM CONTAMINANTS IN HOMES AND GARDENS, Kara Py, Environment Protection Authority Victoria	119 MINNESOTA'S APPROACH TO DERIVATION OF PFAS CRITERIA FOR THE PROTECTION OF HUMAN HEALTH, Summer Street, Minnesota Pollution Control Agency
13:35-13:50	274 ADDRESSING KEY UNCERTAINTIES IN RISK ASSESSMENT THROUGH THE LATEST SAMPLING AND ANALYTICAL METHODS FOR CONCRETE IMPACTED BY PFAS AT FIRE TRAINING AREAS, M Geoff Wilkins, ALS	230 ESTABLISHING BASELINE CONTAMINATION OF MICROPLASTICS IN ORGANIC WASTES, Dr Mike Williams, Cato	79 DEVELOPMENT OF AN ADAPTIVE FRAMEWORK FOR OPTIMISING BIOREMEDIATION IMPLEMENTATION AT A FRACTURED BEDROCK CHLORINATED SOLVENT DNAPL SITE, Dr Matthew Lee, Geosyntec	213 EXTRACTION OF GLYPHOSATE AND AMINOMETHYLPHOSPHONIC ACID FROM CONTAMINATED AUSTRALIAN SOILS - Mrs Wdripuri P. Wdripuri, GCER-University of New-Castle	23 THIRTY WORK: CLIMATE-DEPENDENT STOCK WATER SCREENING LEVELS FOR THE BROAD PFAS FAMILY, Kate Richardson, Servintia
13:50-14:05	90 ASSESSING THE DISTRIBUTION AND ENVIRONMENTAL RISK OF PFAS AT A HISTORICAL CONCRETE PAD, Dr Matthew Askland, Ask Consulting Group Pty Ltd	33 TOWARDS SUSTAINABLE WASTE MANAGEMENT: UNDERSTANDING HEAVY METAL ENRICHMENT IN MWM BOTTOM ASH, MSc Thomas Kemnitz, Montanuniversität Leoben	81 OPTIMIZING CHEMICAL FIXATION TECHNIQUES FOR EFFECTIVE LEAD IMMOBILIZATION IN GARBET WASTE, Mrs Emily Bloomfield, Waste Environmental Services	15 MICRO-/NANOPLASTICS IN OUR DAILY LIVES, Cheng Fang Wan	58 MEASURING THE IMPACT OF BIO-ACCESSIBLE HUS ON COOKED RICE FROM CHROMITE-ASBESTOS MINE WASTE CONTAMINATED SOIL: PREDICTING ANTHROPOGENIC AND DIETARY RISK BY SURFACING ACCESS, MS ZOUHAI BANERJEE, Indian Statistical Institute
14:05-14:20	18 REDUCING PFAS LOADS IN STORMWATER AT A FUEL TERMINAL, M Stuart Darnon, Aurecon	173 CLOSING THE LOOP ON NAPPEL: AN AUSSIE TRIAL, Dr Anu Kumar, CSIRO	189 CO-ADSORPTION OF ANTIMONY AND METALS ONTO IRON MINERALS, M Biele Cleland, Golder	214 ASSESSING THE RISK OF CONTAMINANTS OF EMERGING CONCERN IN WASTEWATER USING EFFECTS-BASED METHODS, Ning Sun, EPA Victoria	143 ASSESSING PFAS RISK FROM SITE SOURCES - A MASS FLUX APPROACH COMPARED TO BIOTA CONCENTRATION DATA, Kathleen Potholoy, ERM Australia Pty Ltd
14:20-14:35	265 BIOAVAILABILITY OF PFOS, PHOS AND PFOS IN SOIL: METHOD DEVELOPMENT AND RECOMMENDATIONS IN VIVO STUDY, Lichun Du, University of New-Castle	34 SELECTIVE GENERATION OF PHYSICAL SEPARATION TRAITS FOR PROCESSING MATERIAL FROM LANDFILL - Dpt-ing Paul Demichiel, Montanuniversität Leoben	22 ADVANCES IN THE CHARACTERIZATION AND REMEDIATION OF URANIUM-CONTAMINATED SITES: INSIGHTS FROM A COLLABORATIVE EFFORT, Dr Jonás García-Rodríguez, Legión Dilling	304 QUANTITATIVE ANALYSIS OF FIVE PESTICIDES TO DETERMINE THEIR PRE-HARVEST INTERVAL IN 360 LAKES BITTER GOUD, MS Yvonne Labrooy, University of New-Castle	149 VAPOUR INTRUSION RISK ASSESSMENT - DO YOU HAVE THE RIGHT DATAS, M Ken Kieffer, ERM
14:35-14:50	301 DYNAMICS OF PER- AND POLYFLUORINATED SUBSTANCES (PFAS) AND EXPOSURE PATHWAYS IN AFF-IMPACTED MINING SITES OF WESTERN AUSTRALIA, Fongqi Qi, University of New-Castle		144 ASBESTOS IN THE SOUTH PACIFIC: CLEAN-UP AND RISKS DURING NATURAL DISASTERS, M Avin Choud, The University of the South Pacific	246 EMERGING CONTAMINANTS IN CROPS IRRIGATED BY RECYCLED WASTEWATER, Dr Ség LI, CSIRO	244 SOIL BIOAVAILABILITY - THE MISSING [BUT POWERFUL] STEP, Dr Belinda Goldsworthy, enRisk
14:50-15:15	Afternoon Tea and Poster Viewing - Hall L				
PLENARY SESSION 4 & 5					
Hall M					
15:15-15:45	Plenary Session 4: Caring for Land and Water as Chartered by the Indigenous Community Professor Peter Rodall FRM MA(CD), Rodall & Associates Wollombroun, Australia				
15:45-16:15	Plenary Session 5: Preventing and managing soil contamination: the EU approach Dr Bono Fratelli Policy officer - Soil team Directorate-General for Environment of the European Commission, Brussels (Virtual)				
16:15-16:45	Conference Closing - Award Presentation, Delegate Rise 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 (Insite only) City Rooms 1-3
11:00-12:30		
13:30-15:00		
15:30-17:00		

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
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