



Monday, 25 August

9.00am – 6.00pm	Pre-Conference Workshops - Range of half day & full day offerings CLICK HERE TO VIEW TIMINGS OF EACH ONE	James Cook Hotel, Level 16
6.00 - 7.30pm	Welcome Reception with Exhibitors For all conference delegates with RSVP through registration. Drinks & nibbled provided.	

Tuesday, 26 August

7.00 – 8.30am	Buddy Breakfast <i>For invited mentors & mentees</i>		TBC, James Cook Hotel
7.30 – 5.35pm	Registration Desk Open		James Cook Hotel, Level 16
8.45 - 9.25am	Mihi Whakatau & Conference Opening		Chancellor 1, James Cook Hotel
9.25 – 9.55am	Plenary: Simon Upton (Parliamentary Commissioner for the Environment)		
9.55 - 10.25am	Plenary: Erica Gregory (NZ EPA) “Whiria te muka, whiria te mātauranga, whiria te taura tangata – Weave the rope, thread the knowledge, strengthen the bond”		
10.25 – 10.30am	NiPera Presentation		
10.35 – 11.00am	Morning Tea in Exhibition area		Chancellor 2 & 3
11.00 – 12.30pm	Concurrent Session 1		
	1A: Bridging the gap: Collaborative pathways to transformative outcomes in pollution monitoring, mitigation and management Chair: Jackie Myers, AQUEST RMIT University	1B: Risk Assessment & Regulation of Metals in the Asia-Pacific Region 1 Chairs: Jenny Stauber, La Trobe University & Ross Smith, Hydrobiology & Ellie Middleton, NiPERA	1C: Predator free islands and conservation - human health risk aspects Chair: Robert DeMott, Ramboll
Room			
11.00 – 11.15	Collaborative Action Against Waterway Contamination Claudette Kellar, AQUEST, RMIT University	Developing acute copper and zinc guideline values for freshwaters in Aotearoa New Zealand Jenni Gadd, Hydrotoxy Research	Saving Species - One Island at a Time Keith Springer & John Quigley, BirdLife South Africa
11.15 - 11.30	He kākano ahau: Learnings of an Indigenous emerging scientist on delivering impact for Māori Grace Feltham, Institute of Environmental Science and Research	A new framework for the implementation of bioavailability-based metal guideline values in Australia and New Zealand Jenny Stauber, La Trobe University	Predator-free islands: assessment and mitigation of human exposure to rodenticides during invasive rodent eradication Paula Castaño, Island Conservation
11.30 – 11.45	Lessons from the coalface: risk assessment techniques from heavy industry	An improved method for deriving default guideline values for metals	Advancing the registration of norbormide as an alternative to broad-spectrum rodenticides

	Victor Kabay, University of Melbourne	in freshwaters in Australia and New Zealand Aleicia Holland, La Trobe University	Charles Eason, Lincoln University
11.45 – 12.00	How to Poison the Credibility of Regulators: Responding to Hollywood's Advocacy on PFAS Craig Dalton, University of Newcastle	A Methodological Framework for the Assessment of Bioavailable Iron in Fresh Water Samples Emiliano Balsamo Crespo, Southern Cross University	Lord Howe Island Rodent Eradication Program – Community Health Concerns Belinda Goldsworthy, Environmental Risk Sciences (enrisky)
12.00 – 12.15	Tackling Pollution through Transdisciplinary and Indigenous Partnership Approaches Virginia (Jinny) Baker, Institute of Environmental Science and Research (ESR)	Optimisation of the USEPA (1991) pH 2 extraction method for measuring potentially bioavailable iron (iron III) Melanie Trenfield, The Environment and Water	Addressing Agent Toxicity in Community Risk Assessment for Lord Howe Island Rodent Eradication Bob DeMott, Ramboll
12.15 – 12.30	A collaborative pathway to improved vegetation management Jackie Myers, Aquest RMIT University	Environmental risk assessment of chromium in waters near nickel laterite deposits in South-east Asia and Melanesia Ross Smith, Hydrobiology	
12.30 – 1.30pm	Lunch in Exhibition area		Chancellor 2 & 3
1.30 – 3.00pm	Concurrent Session 2		
	2A: Bridging the gap 2 + Toxicants & environmental impacts on wildlife Chair: Jackie Myers, AQUEST RMIT University	2B: Risk Assessment & Regulation of Metals 2 + Contaminants in soil 1 Chair: Jenny Stauber, La Trobe University & Ross Smith, Hydrobiology & Ellie Middleton, NiPERA Supported by NIWA	2C: Toxicology of the Visual System Chair: Effi Liden, APVMA / ACTRA Membership Officer
Room			
1.30 – 1.45	Cultural Considerations of Trace Elemental Seafood Safety Following Volcanic Eruption at Whakaari White Island Danielle Blackwell, The University of Waikato	Barium toxicity to stygobionts and groundwater guideline values Merrin Adams, Aquatic Ecotox	Visual and ocular discomfort/disorder/impairment/disease at work: a new issue or an old one? Bruno Piccoli, University of Rome Tor Vergata
1.45 – 2.00	The Mystery of the Tainted Aquifer: Using Emerging Contaminants and Environmental Isotopes to Unmask the Sources of Groundwater Pollution Oliver Jones, RMIT University	Assessment of <i>Amphibola crenata</i> as a bioindicator of estuarine trace element pollution using biochemical and physiological endpoints Nuwan De Silva, Environment Canterbury Regional Council	
2.00 – 2.15	Transforming chemical and waste management using multiple worldviews Louis Tremblay, Manaaki Whenua - Landcare Research	Metal Management: Characterising Native DOM Super-Producers to Feed a DOM-Metal-Mixture-Bioavailability Model Aleicia Holland, La Trobe University	
2.15 – 2.30	Toxicants & environmental impacts on wildlife Chairs: Olivier Champeau, EPA & Dayanthi Nuggeoda, RMIT	Metal Mitigation: Nature based solutions for freshwater management Karen Thompson, NIWA	

	University & Anne Vignier, Cawthron Institute		
	Can exposure to pharmaceuticals impact animal interactions and survival in the wild? Marcus Michelangeli, Griffith University		
2.30 – 2.45	Herbicides detected in soils surrounding solitary ground-nesting bee nesting aggregations Felicia Kueh Tai, Plant and Food Research	Contaminants in soil: Filling knowledge gaps & enhancing decision making Chairs: Jo Cavanagh, Manaaki Whenua Landcare Research & Albert Juhasz, University of South Australia New Insights into Pesticide Residues in New Zealand Soil Melanie Kah, The University of Auckland	Development of Proposed New Perchloroethylene Toxic Optic Neuropathy Toxicity Reference Value and Action Levels Rhian Cope, SLR Consulting
2.45 – 3.00	PFAS and pesticides in Australian raptor species: terrestrial biomonitor for a changing climate Phoebe Lewis, Environment Protection Authority Victoria	Springtail safari: a field-based assessment of agrichemical use Jo Cavanagh, Manaaki Whenua Landcare Research	
3.00 – 3.30pm	Afternoon Tea in Exhibition area		Chancellor 2 & 3
3.30 – 4.00pm	Plenary: Lidia Morawska (Queensland University of Technology)		Chancellor 1
4.00 – 4.05pm	<i>Move between sessions</i>		
4.05 – 5.35pm	Concurrent Session 3		
	3A: Toxicants & environmental impacts on wildlife 2 Chairs: Olivier Champeau, NZ EPA & Dayanthi Nugegoda, RMIT University & Anne Vignier, Cawthron Institute	3B: Contaminants in soil 2 Chairs: Jo Cavanagh, Manaaki Whenua Landcare Research & Albert Juhasz, University of South Australia	3C: Contaminants in consumer products and cosmetics + Alternative approaches to animal testing Chairs: Sarit Kaserzon & Sara Ghorbani Gorji, The University of Queensland & Melanie Kah, University of Auckland Supported by University of Auckland
Room			
4.05 – 4.20	Application of the Fish Embryo Toxicity (FET) Test to Assess Bifenthrin Toxicity in Early Life Stages of two native fishes: <i>Mogurnda adspersa</i> and <i>Melanotaenia fluviatilis</i> Tehmina Yaqoob, RMIT University	The Contaminated Sites We've Shut Down Ruth Jarman, Environmental Risk Sciences (enRiskS)	Triaging Chemical Analyses in Product Testing: The Role of Non-Destructive Analytical Methods Ian Zammit, QAEHS, The University of Queensland
4.20 – 4.35	Understanding the impacts from fluoride emissions to local wildlife at an aluminium smelter Kate Langdon, Environmental Risk Sciences	Arsenic, cadmium, lead, antimony bioaccessibility and relative bioavailability in legacy gold mining waste Farzana Kastury, Future Industries Institute/University of South Australia	PFAS and Other Additives in 'Eco-Friendly'/Compostable Products: Analytical Insights from Aotearoa New Zealand Nargiss Taleb, University of Auckland

4.35 – 4.50	Green-lipped mussels as a New Zealand ecotoxicology model: Effects of land-derived stressors and temperature on early life stages Julien Vignier, Cawthron Institute	How effective are immobilisation strategies for reducing ecological and human exposure to PFAS in AFFF-impacted soil? Albert Juhasz, University of South Australia	From Lipstick to Lunch Plates: Unmasking PFAS in Everyday Essentials David Springer, Envirolab
4.50 – 5.05	Metal bio-accumulation patterns in Mollusca globally: the influence of life history traits Rushna Alam, Australian Institute of Marine Science	Intact soil monoliths sampling and experimental setup to assess the fate of a PFAS-fungicide in two soils of north-eastern Italy Giovanna Piazzon, University of Padova	Measuring PFAS in Cosmetics: Analytical Perspectives and Results Jacob Jaine, Als Global
5.05 – 5.20	Heavy metal concentrations in feathers and metabolomic profiles in Pacific black ducks (Anas superciliosa) from Southeastern Australia Dayanthi, Nugegoda, RMIT University	Assessing Contaminant Risks in Antarctic Soils: Development of Native Fungal Toxicity Tests Jordan Amy Vink, University of New South Wales	Alternative approaches to animal testing Chairs: Emma Garfield & Maria Charry, EPA
			Exploring in silico strategies for advancing early-stage development of pest-selective toxicants Erica Hendrikse, Manaaki Whenua Landcare Research
5.20 – 5.35	Altered avian sperm morphology around nickel extraction and processing industries in New Caledonia Max Gillings, Macquarie University (ACTRA Di Marco Student Travel Grant Recipient)	Microplastic Mass Inputs from Landfill Soil-like Fractions to Soil Systems: Quantification Approach and Implications for Waste Management Strategy Fangfang Lou, Zhejiang University	Identification of Critical Pathways in Developmental Toxicology through Developing an Adverse Outcome Pathway Network Esmail Mousavi, Griffith University
5.35 – 7.00pm	Poster & Networking Reception in exhibition area		Chancellor 2 & 3
7.00pm onwards	Student Function		Fork & Brewer

Wednesday 27 August

8.00 – 5.30pm	Registration Open	James Cook Hotel, Level 16
8.45 – 9.00am	Welcome & Award Announcements	Chancellor 1, James Cook Hotel
9.00 – 9.05am	Vincent Arbuckle (Deputy Director-General New Zealand Food Safety (DDG))	
9.05 – 9.35am	Plenary: Peter Dawson (New Zealand's Environmental Protection Authority)	
9.35 – 10.05am	Plenary: Vittorio Fattori (FAO) Food safety foresight and emerging issues	
10.05 – 10.35am	Plenary: John Roche (Ministry for Primary Industries) Food security, consumer preferences and the interaction with environmental inhibitors	
10.35 – 11.00am	Morning Tea in Exhibition	Chancellor 2 & 3
11.00 – 12.30pm	Concurrent Session 4	

	4A: Alternative approaches to animal testing 2 + Toxicants & environmental impacts on wildlife 3 Chairs: Emma Garfield & Maria Charry, EPA	4B: Contaminants of emerging concern Chair: Kate Bromfield, HazEL Supported by Hazard Evaluation Ltd	4C: Whole-of-life approach to risk assessment + Micro- and nanoplastics Chairs: Adam Wightwick, Ramboll & Tarah Hagen, SLR Consulting / ACTRA President
Room			
11.00 – 11.15	Development and characterisation of marine wildlife cell cultures for ethical toxicity testing Jason van de Merwe, Griffith University	A structural basis for the activation of peroxisome proliferator-activated receptor gamma (PPAR γ) by perfluorooctanoic acid (PFOA) John Bruning, The University of Adelaide	Regulatory challenges of waste reuse in a circular economy Antti Mikkonen & Jen Martin, Environment Protection Authority Victoria
11.15 - 11.30	Monitoring chemical exposure and effect in sea turtles using novel cell-based bioassays Kimberly Finlayson, Griffith University	Are PFAS yet another threat to bees? Carolyn Sonter, University of New England	Recovery of industrial residues: Toxicology needs to support risk assessments for resource recovery Adam Wightwick, Ramboll
11.30 – 11.45	Toxicants & environmental impacts on wildlife 3 Chairs: Olivier Champeau, NZ EPA & Dayanthi Nugegoda, RMIT University & Anne Vignier, Cawthron Institute Expanding the use of portable XRF to monitor lead exposure in an Australian duck species two decades after a ban on lead shot Damien Nzabanita, RMIT University	Small Creatures, Big Contaminants: PFAS uptake in macroinvertebrates Adele Romagnano, RMIT University	From Waste to Biomaterials: Towards Sustainable and Safer Nanocomposites for Biomedical Applications Aksha Dhawan, TERI-Deakin Nanobiotechnology Center
11.45 – 12.00	What can feathers tell us about the metal concentrations in internal bird tissues: an analysis of the global literature Mattea Taylor, University of Newcastle	PFAS in Tap and Bottled Water in Australia: Overcoming Detection Limits and Background Contamination Sara Ghorbani Gorji, UQ	Micro- and nanoplastics: Environmental emission and sources, human exposure, & potential health implications Chairs: Cassandra Rauert & Elvis Okoffo, University of Queensland Quantifying Small Antifouling Paint Particles in Sediments by Pyrolysis-Gas Chromatography-Mass Spectrometry Gabriel De La Torre Picho, The University of Queensland
12.00 – 12.15	Does ionising radiation impact the growth of a tropical marine microalgae? Informing potential risks from offshore oil and gas infrastructure Alexandra Bastick, ANSTO & La Trobe University	Untargeted Screening of Environmental Samples – Identifying Emerging Pollutants Courtney Milner, Agilent Technologies	Optimising pyrolysis GCMS techniques for halogenated plastics detection Ruvini L. Weerasinghe, QAEHS, The University of Queensland
12.15 – 12.30	Bioaccumulation and biodistribution of legacy nuclear contaminants in metamorphosing tadpoles at the Savannah River Site, South Carolina Danielle Hill, Griffith University	Combining Passive Sampling and HRMS for Scalable Micropollutant Monitoring Frameworks Pulasthi Serasinghe, Rmit Aquest	Comparative analysis of conventional and biodegradable microplastics in composts by pyrolysis-gas chromatography/mass

			spectrometry and micro-Fourier-transform infrared spectroscopy Helena Ruffell, University of Canterbury
12.30–1.30pm	Lunch in Exhibition		Chancellor 2 & 3
1.30 – 3.00pm	Concurrent Session 5		
	5A: Environmental omics applied to ecotoxicology & eco-surveillance + Enhancing evidence synthesis in ecotoxicology Chairs: Steve Melvin, Griffith University & David Beale, CSIRO	5B: Contaminants of emerging concern 2 Chairs: Anatheia Albert & Michaela Busch, EPA	5C: Micro- and nanoplastics: Environmental emission and sources, human exposure, & potential health implications 2 Chairs: Cassandra Rauert & Elvis Okoffo, University of Queensland
Room			
1.30 – 1.45	Low salinity influences the dose-dependent transcriptomic responses of oysters to cadmium Junfei Zhan & Chenglong Ji, Ludong University	A national survey of the occurrence of antimicrobials in wastewater influent, effluent and biosolids Jake O'brien, The University of Queensland	Assessment of Microplastic Pollution in Snow: A Study from a High Mountain National Park in Türkiye Fatma Nur, Eraslan Eskisehir Technical University
1.45 – 2.00	Individual and interactive effects of particulate copper and common carp (<i>Cyprinus carpio</i> L.) on prokaryotic and eukaryotic benthic assemblages Grant Hose, Macquarie University	Assessment of Seasonal Variability, Treatment Performance, and Ecological Risks of Target Contaminants of Emerging Concerns (CECs) in four Victorian WWTPs Madara Weerasooriyagedara, University of Melbourne	Micro- and macroplastic distribution in Aotearoa New Zealand's Coastal Environment and their associated trace elements Hayden Masterton, Institute of Environmental Science and Research
2.00 – 2.15	Exploring the co-exposure effects of environmentally relevant microplastics and an estrogenic mixture on the metabolome of the Sydney rock oyster Sazal Kumar, University of Newcastle	Occurrence of synthetic musk fragrances in Australian urban streams in relation to land-use Tanya Paige, RMIT University	The Plasticsphere as a Vector of Antibiotic and Transformation Product Residues: Implications for Resistance Spread in Wastewater Ecosystems Maryam Zarean, York University
2.15 – 2.30	Functional omics insights into per- and polyfluoroalkyl substances (PFAS) exposure in different marine turtle taxa Sarah Green, CSIRO	The application of effect-based methods (EBMs) for water quality assessment in South Africa (SA): Wakkerstroom, a case study Natalie Aneck-hahn, University of Pretoria	Do microplastics change the microbial risk profile of wastewater? Olga Pantos, Institute of Environmental Science and Research
2.30 – 2.45	Enhancing evidence synthesis in ecotoxicology: Current practices, what we are missing, & how we can improve Chairs: Marcus Michelangeli, Griffith University & Jake Martin, Deakin University	Advancements in Biotransformation Pathway Prediction: Enhancements, Datasets, and Novel Functionalities in envPath Jörg Wicker, University of Auckland	Do microplastics increase the toxic effects of Cyanobacterial toxins on the floodplain mussel (<i>Velesunio ambiguus</i>)? Sadia Sharmin, University of Technology Sydney (UTS)
	A research synthesis of humans, animals, and environmental compartments exposed to PFAS: A systematic evidence map and bibliometric analysis of secondary literature Lorenzo Ricolfi, UNSW Sydney		

2.45 – 3.00	The effects of micro-plastics on the fitness of marine animals: a meta-analysis Xinyi Liu, Australian National University	Does benchmarking increase the accuracy of predicting biodegradation across aquatic ecosystems? Run Tian, The University of Queensland	
3.00 – 3.30pm	Afternoon Tea		Chancellor 2 & 3
3.30– 4.00pm	Plenary: Kevin Thomas (The University of Queensland) Plastic Particles and Human Health: Addressing Analytical Challenges in Exposure Assessment		Chancellor 1
4.00 – 4.30pm	Plenary: Bryan Brooks (Baylor University, Texas)		
4.30 – 4.35pm	SLR Consulting Presentation		
4.35 – 5.30pm	Concurrent Session 6		
	6A: SETAC AU AGM	6B: Contaminants of emerging concern 3 Chairs: Ailish Power, James Butcher, EPA	6C: ACTRA Debate Chair/Moderator: Paul Wright, RMIT University / ACTRA Immediate Past President
Room			
4.35 – 4.50	SETAC AU AGM (4.30pm – 6.00pm)	Drowning in Toxins: Exploring the Ecotoxicological Effects of <i>C. grandiflora</i> on Freshwater Species Martine Tande, Tropwater	ACTRA Debate Session (4.30pm – 5.30pm) Debaters: Grant Northcott (Northcott Research Consultants) and Adam Wightwick (Ramboll)
4.50 – 5.05		Evaluating herbicides as ALP enzyme inhibitors – towards rapid herbicide monitoring Abner Tonu Lema, Monash University	
5.05 – 5.20		Understanding the sources and fate of bifenthrin in new housing estates within Melbourne, Australia Madara Ranatunga, RMIT University	
5.20 – 5.35		Where Do Tyre Particles Go? Quantifying and Identifying Tyre Wear Particles in Balcony Road Dust Simran Kaur, QAEHS (The University of Queensland)	
5.35 – 6.00			
6.30 – 11.30pm	Conference Dinner		New Zealand Parliament

Thursday, 28 August

8.00 – 5.00pm	Registration Desk Open		
8.45– 9.15am	Welcome & Plenary: Nicholas Ashbolt (CRC SAAFE) Microbial Fallout: Pollution-Driven Evolution, Ecosystem Tipping Points, and the Case for New Risk Endpoints		Chancellor 1
9.15 – 9.20am	Botanical Resources Australia Presentation		

9.20 – 9.25am	<i>Move between sessions</i>		
9.25 – 10.55am	Concurrent Session 7		
	7A: Enhancing evidence synthesis in ecotoxicology 2 + Ecotoxicology & environmental monitoring in challenging environments Chairs: Marcus Michelangeli, Griffith University & Jake Martin, Deakin University	7B: Future-Proofing Wastewater Treatment: Tackling Emerging Contaminants with a Holistic Approach – it's more than just PFAS Chairs: Becky Macdonald, Jacobs NZ Ltd & Monique Binet, CSIRO <i>Supported by Water NZ</i>	7C: Food Chemical Risk Assessment 1 Chairs: Stuart Creton, Food Standards Australia New Zealand & Jefferson Fowles, New Zealand Food Safety
Room			
9.25 – 9.40	MATES: A tool for evaluating the quality of reporting of meta-analyses Kyle Morrison, University of New South Wales	PFAS Contamination in the Ames Watershed: Seasonal, Hydrological, and Anthropogenic Influences Abdullahi Adeola, Iowa State University	Dietary exposure assessment – giving context to toxicology Peter Cressey, ESR
9.40 – 9.55	Embracing open and transparent research practices in behavioural ecotoxicology Kate Fergusson, Monash University	Oxidative stress biomarkers in wastewater influents as potential indicators of community health and wellbeing Sally Gaw, University of Canterbury	Thallium in Kale from the New Zealand Total Diet Study: Concentrations, Doses, and Comparison with an Overseas Case Study Jefferson Fowles, Ministry for Primary Industries
9.55 – 10.10	Ecotoxicology & environmental monitoring in challenging environments Chair: Sarah McDonald, TropWATER & Martine Tande, TropWATER/JCU	Synergistic Application of UV/Peracetic Acid and Biological Activated Carbon Filtration for Mitigating Organic Micropollutants and Toxicity in Wastewater Sana Ajaz, Griffith University	Chemical contaminants in New Zealand agricultural water – charting the food safety implications Andrew Pearson, Tonkin + Taylor
	Ice Station: A multidisciplinary approach to assessing environmental risk of a former Antarctic station buried below the ice Gwilym Price, Australian Antarctic Division		
10.10 – 10.25	Biodiversity monitoring using e-DNA metabarcoding Shreya Pandey, University of Oulu	Comparative study of PFAS treatment by UV, UV/ozone, and fractionations with air and ozonated air Jianhua Zhang, Victoria University	Revisiting genotoxicity studies: case of Bromoform Abhishek Gautam, Institute of Environmental Science and Research (ESR)
10.25 – 10.40	Metal bioaccumulation in a tropical river food web in northern Australia Isabel Ely, Charles Darwin University	A bioanalytical and chemical approach for wastewater discharge: beyond detected chemicals for water quality assessment Minna Saaristo, Environmental Protection Authority Victoria	Toxicological Considerations of Low Doses of Bromoform as an Environmental Inhibitor Pravesh Tyagi, Ministry for Primary Industries
10.40 – 10.55	The Potential of Australian Trees as Groundwater Biomonitors Sarah McDonald, TropWATER	Managing wastewater for One Health using a holistic approach to maximise opportunities for future investment and innovation Karl Bowles, Jacobs	Dynamic PFAS exposure and body burden models provide insights for management of livestock on PFAS impacted

			farms to ensure food quality and market access Antti Mikkonen, Environment Protection Authority Victoria
10.55 – 11.20am	Morning Tea in Exhibition		Chancellor 2 & 3
11.20 – 12.50am	Concurrent Session 8		
	8A: Bridging the gap: Enhancing decision making in regulatory science Chair: Chris Lee-Steere, Australian Environment Agency Pty Ltd	8B: Identifying 'ecologically relevant endpoints' for microbial processes to inform Environmental Quality Guidelines and One Health approaches Chair: Monique Binet, CSIRO & Anthony Chariton, Macquarie University & Marie Thomas, AIMS Supported by Australian Institute of Marine Science	8C: Food Chemical Risk Assessment Chair: Maryam Moslehi, SLR Consulting / ACTRA Committee Member
Room			
11.20 – 11.35	New Approach Methods as a solution to contaminants of concern in composts Julia Jasonsmith, Murrang Earth Sciences	Mining impacts on biogeochemical processes: Insights from the Ranger Uranium Mine Anthony Chariton, Macquarie University	The Green Fairy Rosalind Dalefield, Food Standards Australia New Zealand
11.35 – 11.50	Setting guidelines well – do we have a problem? Therese Manning, Enrisks	Inclusion of microbial endpoints in site-specific Risk Assessments, Environmental Guidelines and Remediation Targets for Antarctic soils. Catherine King, Australian Antarctic Division	Particulates, plastics and real-time risks and Food Chemical Risk Assessment 2
11.50 – 12.05	Machine Learning for Predicting Environmental Mobility Based on Retention Behaviour Tobias Hulleman, The University of Queensland	Identifying microbial indicators of pollution in freshwater urban constructed wetlands Anna Flynn, Aquatic Environmental Stress Research Group, RMIT University	TBC Title Lidia Morawska, Queensland University of Technology
12.05 – 12.20	Applying a screening approach and mixture-based considerations to human and ecological risk assessment of pesticide contaminated groundwater Sarah Guy, Tonkin + Taylor	Beyond Microtox – a bacterial toxicity assay suitable for risk assessment in tropical environments Heidi Luter, Australian Institute of Marine Science	Particulates, plastics, and real-time risks Len Turczynowicz, University of Adelaide
12.20 – 12.35	The currency of ecosystem services: applications for ecotoxicology Sarah McDonald, TropWATER	Research to regulation: A quantitative framework for establishing microbial sensitivity thresholds to protect marine ecosystems Marie Thomas, Australian Institute of Marine Science	Understanding spatial and temporal trends of atmospheric microplastics in laboratories Honglin Chen, QAEHS, University of Queensland
12.35 – 12.50	Reasons for (not?) using passive sampling techniques for environmental monitoring Jochen Mueller, QAEHS - The University of Queensland	Predicting the combined effects of pollution and heat stress to adjust guideline values for tropical marine microbiomes Andrew Negri, Australian Institute of Marine Science	Everyday exposure to plastic particles: investigating microplastics and nanoplastics in Australian drinking water and release from plastic products

			Elvis Okoffo, QAEHS, University of Queensland
12.50 – 1.35pm	Lunch in Exhibition		Chancellor 2 & 3
1.35 – 3.05pm	Concurrent Session 9		
	9A: Regulatory science, policies, and evidence-based decisions Chair: Eugene Georgiades, EPA	9B: Identifying 'ecologically relevant endpoints' for microbial processes to inform Environmental Quality Guidelines and One Health approaches 2 Chair: Monique Binet, CSIRO & Erica Donner, CRC SAAFE & Claire Hayward, University of South Australia Supported by SAAFE-CRC	9C: Expert Panel on Risk Assessment Chair/Moderator: Len Turczynowicz, University of Adelaide
Room			
1.35 – 1.50	Revisions to the ANZG method for deriving water quality guideline values for toxicants Rick Van Dam, Wqadvice	Antimicrobial resistance: A global health crisis with complex environmental dimensions Erica Donner, CRC SAAFE	Expert Panel on Risk Assessment Panel Members: Lidia Morawska (Queensland University of Technology), Ruth Jarman (enRisks), Stuart Creton (Food Standards Australia New Zealand), Effi Liden (Australian Pesticides and Veterinary Medicines Authority)
1.50 – 2.05	Addressing key questions in deriving species sensitivity distributions: Insights from recent studies Yuichi Iwasaki, National Institute of Advanced Industrial Science and Technology (AIST)	Defining Meaningful Environmental Endpoints for Antimicrobial Resistance: Moving Beyond MICs to Assess Minimal Selective Concentrations for Key Endpoints Claire Hayward, University of South Australia	
2.05 – 2.20	Addressing uncertainty in risk assessment and regulatory decisions for industrial chemicals Alexander Shadie, Australian Industrial Chemicals Introduction Scheme	Environmental drivers of AMR: investigations of associations of metal contaminants and AMR in agricultural, airstrip and microcosm soil Barry Palmer, Massey University Wellington	
2.20 – 2.35	Developing a more focused picture of NZ's chemical landscape Oliver Ter Ellen, Environmental Protection Authority NZ	Shaping an approach for deriving water quality guideline values for antimicrobials that integrate ecotoxicity and antimicrobial resistance endpoints Monique Binet, CSIRO	
2.35 – 2.50	Changing the rules to keep New Zealanders safe - the role of reassessments in chemical management Joanna Dowle, Environmental Protection Authority	Discussion Panel on ecologically relevant endpoints for microbial processes Chair: Prof Nick Ashbolt, SAAFE-CRC	
2.50 – 3.05	Strengthening the EPA's approaches to the assessment of wide dispersive chemicals Eugene Georgiades, Environmental Protection Authority NZ		

3.05 – 3.35pm	Afternoon Tea in Exhibition	Chancellor 2 & 3
3.35 – 4.05pm	Conference Closing Ceremony Student Awards	Chancellor 1