

Event Type	Student Event
Venue	Four Points by Sheraton, Sky Rooms 1 & 2
Location	443 Docklands Drive, Docklands Victoria
Date	19 -20 March 2024
Commencement time	11.30 am

Agenda | Day 1 | 19 March 2024

Time	Item	Lead
11.30AM	Registration	Carolyn Bellamy WaterRA Research Capability Manager
12.00PM	Lunch	
12.45PM	Welcome, Housekeeping and WaterRA	Carolyn Bellamy WaterRA Research Capability Manager
1.00PM	Round the room introductions	All
1.10PM	My Water Journey as a WaterRA Student	Duc Nguyen Isle Utilities Consultant WaterRA Graduate
1.30PM	Microbial production of polyhydroxyalkanoates (PHAs) using sugarcane bagasse	Soulayma Hassan RMIT University
1.40PM	Effect of long-term prescribed fire on soil microbial diversity and extracellular enzymatic activity and soil carbon cycle	Parisa Zarparvar RMIT University
1.50PM	Assessing drinking water quality after bushfire	Vaughan Mitchell Deakin University
2.00PM	Scalable approaches for microbial treatment in manufactured water	Ortal Raikhlin Monash University
2.10PM	Modernising microbial risk assessment: Innovative strategies for contaminant detection	Melody Lau University of SA
2.20PM	Break Out Groups	Questions
02.35PM	Afternoon Tea & change into WaterRA Polo Shirt for the Photo shoot	
2.45PM	Industry – connect - Research	David Bergmann South East Water Research, Development & Innovation Manager
3.05PM	Remediation for arsenic contaminated gold mine waste	Julie Besedin RMIT University
3.15PM	Metagenomic analysis of foaming anaerobic digesters	Tim Micallef RMIT University
3.25PM	Predict-plus-optimize strategies for water flow control	Vincent Barbosa Vaz University of Melbourne
3.35PM	Optimal deployment of vibration sensors in water networks	Rehan Balapuwaduge Mendis Monash University
3.45PM	Best Presentation	Voting
3.50PM 4.15PM	Session Wrap Group Photo Close Day 1	
4.30PM	Attend KYN Event All Smiles, Melbourne Waterfront, Docklands	
7.00 PM	Student Dinner Renzo's Bar 46 Newquay Promenade, Docklands	

Agenda | Day 2 | 20 March 2024

8.45 AM	Registration	
09.00AM	Welcome and recap	Carolyn Bellamy WaterRA Research Capability Manager
09.10AM	The Value of Research	Carolyn Bellamy WaterRA Research Capability Manager
09.20AM	Antimicrobial resistance in advanced water treatment systems and supply networks	Stephanie Faulks Griffith University
09.30AM	Hydrogen economy based advanced treatment of manufactured water	Amaya Upulnie Kahaduwa Monash University
09.40AM	Ecological engineering of textiles to reduce pollution by fibres	Marina Corte Tedesco University of NSW
09.50AM	Bioremediation of pharmaceuticals from wastewater streams	Kalyan Pantha Federation University
10.00AM	Phycoremediation of winery wastewater and circular bioeconomy model	Praveen Kuppan University of Newcastle
10.10AM	Evaluating the impact and composition of non-degradable organics in sewage sludge and biosolids	Bushra Parvin Upoma University of Queensland
10.20AM	Break Out Group	Discussion
10.35AM	Morning Tea	
11.00AM	Understanding the influence of sampling methods on emissions from biosolids	Lisha Liu University of NSW
11.10AM	The effect of thermally treated biosolids residue on the anaerobic digestion of waste activated sludge	Shamima Eaysmine University of Queensland
11.20AM	Energy and biochar production from biological and thermal treatment	Habiba Sarwar RMIT University
11.30AM	Biogas utilisation for hydrogen production and carbon sequestration: Energy and emissions analysis	Ibrahim Al Waili RMIT University
11.40AM	Climate smart wastewater	Elliot Lee University of Queensland
11.50AM	Understanding and the removal of collected GHG emissions in wastewater treatment plants	Shirley Xueying Zhang University of Queensland
12.00PM	N ₂ O emissions from biosolids stockpiles: mitigation, evaluation, and mechanisms	Tianyi Chu University of WA
12.10PM	AWA Young Water Professional Networks	Carolyn Bellamy WaterRA Research Capability Manager
12.20PM	Best Student Presentation	Voting
12.25PM	Session wrap	Carolyn Bellamy WaterRA Research Capability Manager
12.30PM	Close and Lunch	

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