



2024 FOURTH ANNUAL SYMPOSIUM SUMMARY [DRAFT]

ARC Training Centre for the Transformation of Australia's Biosolids Resource

TUESDAY 3 RD SEPTEMBER		WEDNESDAY 4 TH SEPTEMBER		THURSDAY 5 TH SEPTEMBER: Training Day		
Venue: Auditorium, The University Club of Western Australia University of Western Australia, Hackett Entrance #1, Hackett Drive, Crawley PERTH WA 6009		Venue: Banquet Hall, The University Club of Western Australia University of Western Australia, Hackett Entrance #1, Hackett Drive, Crawley PERTH WA 6009		Venue: EZONENTH: [210 and 211] Learning Studio University of Western Australia, Hackett Entrance #1, Hackett Drive, Crawley PERTH WA 6009		
8.00am	Registration (30 mins)	8.00am		8.00am		
8.15am		8.15am		8.15am	Registration and Welcome (15 mins)	
8.30am	University Welcome and Acknowledgement of Country (15 mins)	8.30am	Registration (15 mins)	8.30am	Workshop 1 – Topic: Exploring and maximising your career journey (2 hours) Elana Marie Lewer , Personal Development Specialist	
8.45am	Welcome, housekeeping (10 mins) Prof. Megan Ryan UWA Centre Update (10 mins) Dist. Prof Andy Ball RMIT Platinum Sponsor (10 mins) TBA	8.45am	Welcome and Housekeeping (15 mins) Prof. Megan Ryan UWA	8.45am	<ul style="list-style-type: none"> Identifying transferable skills and strengths and applying it to a career Transitioning to early career: Communicating in a team and corporate environment Active job searching & interviewing tips Q&A & (take home) reflection 	
9.00am		9.00am	THEME 2 ENHANCING PRODUCT APPLICATIONS Introduction/Overview (15 mins) Prof Megan Ryan UWA	9.00am		
9.15am	Keynote Speaker (45 mins) 'Topic: Biochar's role in Climate Action' Dr Annette Cowie, NSW Department of Primary Industry	9.15am	Dr Bede Mickan UWA – a classification framework for organic waste products; (10 mins) Dr Arun Krishna Vuppaladiyam RMIT – H ₂ S removal from biogas using biosolids biochar; (10 mins) Ramandeep Kaur RMIT – Use of biochar in production of phenolics from organic waste; (10 mins) Manish Sharma UWA –Use of struvite as a phosphorus fertiliser; (10 mins) Curtis Rollins and Darren de Vos UWA – Composted biosolids blended fertilisers: farmer acceptance and agronomic impact (10 mins)	9.15am		
9.30am		9.30am		9.30am		
9.45am		9.45am		9.45am		
10.00am	Morning tea (20 mins)	10.00am	3 min Break	10.00am		
10.20am	THEME 3 ENSURING SUSTAINABILITY Introduction/Overview (15 mins) Prof. Richard Stuetz UNSW (Online) and Dr Ruth Fisher UNSW	10.15am	3 min Poster Presentations (30 mins)	10.15am		
10.35am	Project 3A Linking Stability, Odour, and Production Route (15 mins) Dr James Hayes UNSW	10.30am	Panel Feedback & Wrap-up (30 mins) Prof Megan Ryan UWA	10.30am		Morning tea (20 mins)
10.50am	Project 3B The role of Biosolids Management in preserving Earth's resilience (15 mins) - Jingwen Luo UNSW	10.45am		10.50am		Workshop 2 – Topic: Discussion on risk, ambiguity, strategic thinking, project management, communication, funding, marketing, customer research (75 Mins)
11.05am	Project 3C Development of a risk-based framework for biosolid quality management (15 mins) - Marina Corte Tedesco UNSW	11.00am	Morning tea (20 mins)	11.00am		<ul style="list-style-type: none"> Business Case scenario WaterCorp - Anthony Bodycoat Product Development Plan Richgro – Tim Richards and Dr Bede Mickan
11.20am	Project 3D Stakeholder Engagement and Acceptance (15 mins) Curtis Rollins UWA	11.20am	Speaker (30 mins) Churchill Fellowship – international biosolids insights - Hilary Hall, RMCG	11.15am		
11.35am	3 min Poster Presentations (30 mins)	11.30am		11.30am		
11.45am		11.50am	Transforming Municipal Organics Hub application - Discussion (10 mins) Prof. Kalpit Shah RMIT	11.45am		
12.05pm	Panel Feedback & Wrap-up (30 mins)	12.00pm	Symposium survey (15 mins) Dr James Hayes, UNSW	12.00pm	Lunch and networking (60 mins)	
12.15pm	Dr Ruth Fisher UNSW	12.15pm	Best presentation/Best poster awards (15 mins)	12.15pm		
12.35pm	Lunch /All Posters (55 mins)	12.30pm	Concluding remarks TBC (5 Mins) Dr Aravind Surapaneni,SEW Group Photo	12.30pm		
12.45pm		12.45pm	Lunch / All Posters (55 mins)	12.45pm		
1.00pm		1.00pm		1.00pm	Bus to Richgro , 203 Acourt Road, Jandacot (40 mins)	
1.15pm		1.15pm		1.15pm		
1.30pm	THEME 1 IMPROVING TECHNOLOGIES Introduction/Overview (15 mins) Prof. Damien Batstone UQ	1.40pm	Bus to Water Research and Innovation Precinct (WRIP) , Shenton Park - Water Corporation (20 mins)	1.30pm		
1.45pm	Seyedali Tabatabaei RMIT - The impact of chemical properties on dewaterability and rheology (15 mins)	1.45pm		1.40pm	Richgro Site visit (1 hour 20 mins) - 203 Acourt Road, Jandacot	
2.00pm	Dr Savankumar Patel RMIT - Incorporating thermal treatment into conventional biosolids treatment trains (15 mins)	2.00pm	WRIP Site Visit (1 hour 30 mins) - 37b Lemnos St, Shenton Park WA 6008	2.00pm		
2.15pm	Dr Christian Krohn RMIT - Advances in linking microbial ecology and performance in anaerobic digesters. (15 mins)	2.15pm			2.15pm	
2.30pm	5 min Poster Presentations (30 mins) : Bushra Parvin UQ : Major contributors to non-degradable organics in sewage sludges. Dr Nimesha Rathnayake RMIT : Project 1B TBA	2.30pm			2.30pm	
2.45pm	Dr Stephan Tait UQ : Utilising spectral methods to assess material properties Tim Micallef RMIT : Project 1C TBA	2.45pm			2.45pm	
3.00pm	Panel Topic: Identify the major gaps in conventional process trains and the ability to incorporate new technologies. How can we incorporate new technologies? (30 mins) Dr Catherine Rees (Melbourne Water) Jason Dwyer (or delegate) (Urban Utilities) Nathalie Siow (or delegate) (Watercorp)	3.00pm			3.00pm	Transport to the Airport and City Centre
3.15pm		3.15pm			3.15pm	
3.30pm	Afternoon Tea (20 mins)	3.30pm	Water Corporation's "Kick starting your Career" training session (1 hour 30 mins) - Andre Sequeira	3.30pm		
3.50pm	Forum (60 mins) Chair: Hilary Hall, RMCG • Tim Richards , Richgro	3.45pm		3.45pm		
4.00pm	• Elliott Lee , PhD candidate/Water Corporation • Deborah Pritchard , Curtin University, Agrieros consultancy	4.00pm		4.00pm		
4.15pm	• Craig Byers , Water Corporation • Nilu Gunarathne , Department of Health	4.15pm		4.15pm		
4.30pm	Farmer rep TBC	4.30pm		4.30pm		
4.50pm	Own arrangements for travel to conference dinner – free Cat from UWA to city centre (Own time 1 hour 10 mins)	4.45pm		4.45pm		
5.00pm	Be at the Barrick Street jetty by 6pm /6.15pm for river transport	5.00pm	Finish - Bus back to UWA and City Centre (20 mins) Own time	5.00pm		
6.00pm	Barrick Street jetty - 6pm /6.15pm river transport	6.00pm				
6.30pm	Symposium Dinner – The Raft MCs – George Mercer and Andreas Pfeifle UWA Dinner Sponsor (10 mins) After Dinner Speaker (30 Mins) TBA	6.30pm	Happy Hour – Venue in Perth TBA			
8.30pm						
10.30pm	Close – River transport back to Barrick Street Jetty					