ANZBP Webinar Series

Day 1

Rob Tinholt, Resource Recovery Manager, Watercare

Rob has more than 20 years of experience in the water industry as both a consultant and an infrastructure. Rob has extensive experience in biosolids infrastructure planning and managing biosolids operations. More recently he has been developing premium soil product offerings from biosolids and struvite. He is passionate about resource recovery and finding sustainable circular economy centred solutions for using biosolids as a carbon and nutrient rich resource for soils to deliver healthy plant growth.

Rebecca Lockett, Consultant, Sydney Water

Rebecca graduated with an honours degree in Chemical Engineering from the University of Sydney. She started her career at Sydney Water as an undergraduate working at Bondi Wastewater Treatment Plant. She then transitioned into the graduate program and spent a year working in corrosion and odour management of the wastewater networks, followed by rotations in process engineering teams working on optimisation, resource recovery, and improvement projects at water and wastewater treatment sites.

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Day 1

Jean Davis, Resilience & Climate Change Adaptation Lead, Sydney Water Corporation

Jean has worked for Sydney Water for over 20 years, mainly in our resource recovery and wastewater areas of the organisation. Her specialty is biosolids which has included biosolids research, development, management, and contract management of Sydney Water's biosolids beneficial use program.
She is currently a Resilience and Climate Change Adaptation Lead with the Carbon Zero portfolio. Her passion for addressing climate change, circular economy and resource recovery will help Sydney Water work towards meeting the target of Carbon Zero by 2030.

Dr David Bergmann, Research & Development Manager, South East Water

David is the Research & Development Manager at South East Water and has been in that role since 2015. Creating value from waste, making passive systems smart, use of alternative waters, effective use of data are areas of particular interest. With a PhD in Chemistry, David has worked in R&D roles in chemicals, detergents, food, manufacturing and now water and wastewater. He is passionate about innovation and delivery of solutions that make a difference.

ANZBP Webinar Series

Day 2

Greg Hatley, Student, The University of Canterbury and ESR

Greg is currently completing his MSc degree in Environmental Science at the University of Canterbury and ESR. His thesis topic is Saltwater intrusion impacts on groundwater microbial communities. Prior to this he completed his BSc(Hons), where he was part of a group project studying the use of Black Soldier Fly Larvae as a bioconversion tool to make high-value products from biosolids and biowaste.

Prof Kalpit Shah, Associate Professor, RMIT University

Prof Kalpit Shah is a Professor and Group Leader for innovative Resource and Waste Conversion Technologies (iRWT) research group in Chemical and Environmental Engineering discipline at RMIT University, Melbourne. He is also a Deputy Director (Academic) for the ARC training centre for Transforming Biosolids.

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Day 2

Craig Johnston, Graduate Chemical Engineer

Craig Johnston is a graduate chemical engineer who has operated and performed maintenance on the struvite pilot plant. He has gained a good understanding of the technology and in doing so has been able to help develop refined fertilizer grade pellets. The project has presented numerous challenges which he has taken on and learnt from to provide process improvements going forward. Craig hopes to see this work developed further in the future as it offers a great pathway to a circular economy for fertilisers.

Irina Mouilleron, Knowledge Lead, Suez

Irina has been working in wastewater treatment and reuse for the past 10 years with Suez. She has been involved in both operation and innovation, leading collaborative projects. She is particularly interested in resources recovery from wastewater and untapped waste streams from the water industry. She managed the struvite technical feasibility study of the struvite recovery in collaboration with the Water Corporation.