

# The 2018 Waterways Postgraduate Student Conference

Tuesday, November 20, 2018

Lincoln University

Time	Presentation	
8:30	Registration	
9:00	Introduction – <b>Professor Jenny Webster-Brown</b> , Director, Waterways Centre for Freshwater Management	
9:05	Welcome – <b>Professor James McWha</b> , Tumu Whakarae/Vice Chancellor, Lincoln University	
9:15	Shock encounters with water supply contamination: impact on the perceptions and practices of small businesses	Rachel Teen Lincoln University
9:30	Opening locked gates: Identifying land owners' attitudes to kaitiakitanga	Corinne Bataille University of Canterbury
9:45	Estimation of the five-year impact of the Hinds MAR Trial on ground water levels and quality	Patrick Durney University of Canterbury
10:00	Development and assessment of a hydropower reservoir routine for Soil and Water Assessment Tool (SWAT)	Jayandra Srestha University of Canterbury
10:15	Assessing seawater intrusion vulnerability associated with sea level rise in Christchurch using GIS-based methods	Irene Setiawan Lincoln University
<b>10.30</b>	<b>Morning Tea</b>	
11:00	Assessing groundwater vulnerability and resilience in the Christchurch Coastal aquifer system	Carlos Rosado University of Canterbury
11:15	Are wastewater treatment plants a significant source of microplastics to the environment?	Helena Ruffell University of Canterbury
11:30	Canterbury mudfish food webs/threats to Canterbury mudfish	Christopher Meijer University of Canterbury
11:45	Influence of fishing pressure and land use on migratory galaxiids	Andrew Watson University of Canterbury
12:00	Boosting biological recovery in degraded streams: Disturbing degraded communities to reverse the effects of environmental filtering	Issie Barrett University of Canterbury
12:15	Conservation planning for climate change: How might a natural disaster help us with sea level rise?	Shane Orchard University of Canterbury
<b>12.30</b>	<b>Lunch; Poster Session from 1:00 pm</b>	
1:30	Kākahi ( <i>Ecyridella menziesi</i> ) as a biological tool for stream restoration	Channell Thoms University of Canterbury
1:45	Evaluation of different methods for isolating <i>Phytophthora</i> from Canterbury waterway	Ashika Prasad Lincoln University
2:00	Traditional knowledge integration in water governance and its implications for rural livelihoods in Esigodini, Zimbabwe	Xolile Ncube University of Canterbury
2:15	Isoprostanes: Biomarkers of oxidative stress or potential emerging contaminants?	Kimberley Kovacs-Wilks University of Canterbury

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2:30	Challenges in water governance in the Plain of Reeds, Vietnam	Khiem Nguyen University of Canterbury
2:45	Uptake of water sensitive urban design at the building-scale in Christchurch	Vicky Southworth University of Canterbury
<b>3:00</b>	<b>Afternoon Tea</b>	
3:30	The role of sediment in controlling in-stream phosphorus concentrations	Zach Simpson Lincoln University
3:45	Phosphorus release from activated sludge and effect of different acids	Shiv Prasad University of Canterbury
4:00	Remediation of acid mine drainage sites	Marlese Fairgray University of Canterbury
4:15	Quantifying and treating contaminant discharges from the James Mine on New Zealand's West Coast	Carlos Hillman University of Canterbury
4:30	Land-use and waterway quality at Mt. Grand Station, New Zealand	Shyam Provost Lincoln University
4:45	Investigating nutrient management trade-offs using the Land Utilisation Capability Indicator model.	Grace Gowera Lincoln University
<b>5:00</b>	<b>Drinks and Nibbles; Prize Presentation</b>	

### Posters (continued next page)

Poster Title	Presenter
Resilience isn't always healthy: Using stressors to overcome negative resistance and resilience in stream restoration	Issie Barrett University of Canterbury
Investigating the variable efficiencies of stormwater treatment devices and development of a model to estimate performance	Forrest Bilek University of Canterbury
Conceptual hydrogeological model development for Kaitorete Spit, Canterbury	Gemma Clark University of Canterbury
Groundwater seepage in Te Waihora/Lake Ellesmere	Katie Coluccio University of Canterbury
The affect of effect: Using local embodied knowledge in monitoring and evaluation of climate change adaptation interventions in Vietnam	Huong Do University of Canterbury
Pathways for nutrient contamination of Barkers Creek, South Canterbury	Hamish Graham University of Canterbury
How can community-based initiatives aid progress on improving urban freshwater ecosystem health	Will Keay University of Canterbury
The response of unconsolidated coastal environments to the 2016 Kaikoura Earthquake	Kate McDonald University of Canterbury

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Environmental factors that affect kōwaro (Canterbury mudfish) populations	Christopher Meijer University of Canterbury
N and P removal from wastewater: A novel approach using sequencing batch reactor technology	Parsa Mohajeri Lincoln University
Role of urban eco-industrial complexes in coastal city flood mitigation within context of climate change	Suphicha Muangsri Lincoln University
Upscaling of point-scale groundwater recharge measurements with demonstrated applications to New Zealand and Colombia.	Manuel Rios Rivera Lincoln University
Seawater intrusion impacts on the aquifer surrounding Lake Kate Sheppard	Marc Scaife University of Canterbury
Reconnecting people to their water supply: A social perspective to water resource management	Rachel Teen Lincoln University