

## Publications for 2009

### Book Chapter - Scholarly Research

Beavis, P, Black JA, Lennox J, Turner G, Moore S, 2009, 'Industrial Ecology Futures Scenarios: The Design Approach in Transportation'. In *Dynamics of Industrial Eco-Systems of Regions and Networks*. Ruth and Davidsdottir (eds.) Edward Elgar, ISBN 978 1 84720 7425.

Glamore, W, *Incorporating Innovative Engineering Solutions into Tidal Restoration Studies, Restoring Tidal Flow to Salt Marshes: A Synthesis of Science and Management*, Island Press.

Khan, SJ, 2009, *Recycled Water and Desalinated Seawater Replenish and Replace Drinking Water in Australia, Techneau: Safe Drinking Water from Source to Tap* (60, pp. 445 - 455), IWA Publishing, London.

Marselina, Y, Le-Clech, P, Stuetz, RM, & Chen, V, 2009, *Towards fouling monitoring and Visualisation in Membrane Bioreactor, Monitoring and Visualizing Membrane Processes* (61, pp. 305 - 325). , Wiley-VCH Verlag, Germany.

### Journal - Refereed & Scholarly Article

Anderson, DJ, Timms, WA, & Glamore, W, 2009, 'Optimising Subsurface Well Design for Coastal Desalination Water Harvesting', *Australian Journal of Earth Sciences*, 56, pp. 53 - 60.

Arumugam, S, Lall, U, Filho, D, & Sharma, A, 2009, 'Improved Water Allocation utilizing Probabilistic Climate Forecasts: Short Term Water Contracts in a Risk Management Framework', *Water Resources Research*, 45, pp.272 - 280.

Avoscan, L, Milgram, S, Untereiner, G, Collins, R, Khodja H, Coves Jacques, J Hazemann J, Carrière M, Gouget B, 2009, 'Assessment of Uranium and Selenium Speciation in Human and Bacterial Biological Models to Probe Changes in their Structural Environment', *Radiochimica ACTA* , 97, pp. 375 - 383.

Castelle, B, Turner, IL, Bertin, X, & Tomlinson, R, 2009, 'Beach Nourishments at Coolangatta Bay Over the period 1987-2005: Impacts and lessons', *International Journal of Coastal Engineering*, SI56, pp. 940 - 950.

Chowdhury, SH, & Sharma, A, 2009, 'Long-Range Nino-3.4 Predictions Using Pairwise Dynamic Combinations of Multiple Models', *Journal of Climate* , 22, pp. 793 - 805.

Chowdhury, SH, & Sharma, A 2009, 'Multisite Seasonal Forecast Of Arid River Flows Using A Dynamic Model Combination Approach', *Water Resources Research*, 45, pp. W10428, pp.1-16.

Coleman, H, Troester, M, Khan, SJ, McDonald, J, Watkins G, Stuetz R, 2009, 'Assessment of Trace Organic Chemical Removal by a Membrane Bioreactor Using GC-MS and a Yeast Screen Bioassay', *Environmental Toxicology and Chemistry* , 28, pp. 2537 - 2545.

Collins, RN, & Waite, TD, 2009, 'Isotopically Exchangeable Concentrations of Elements having Multiple Oxidation States: The case of Fe(II)/Fe(III) isotope self-exchange in coastal lowland acid sulfate soils', *Environmental Science and Technology* , 43, pp. 5365 - 5370.

- Collins, RN, Jones, AM, & Waite, TD, 'Schwertmannite Stability in Acidified Coastal Environments', *Geochimica et Cosmochimica Acta* , 74, pp. 482 - 496.
- Davidson, M, & Turner, IL, 2009, 'A Behavioral Template Beach Profile Model for Predicting Seasonal to Interannual Shoreline Evolution', *Journal of Geophysical Research*, 114, pp. 217 - 256.
- Davidson, M, Morris, BD, & Turner, IL, 2009, 'A Simple Numerical Model for Inlet Sedimentation at Intermittently Open-Closed Coastal Lagoons', *Continental Shelf Research*, 29, pp. 1975 - 1982.
- Davies, CM, Roser, D, Feitz, AJ, & Ashbolt, NJ, 2009, 'Solar Radiation Disinfection of Drinking Water at Temperate Latitudes: Inactivation Rates for an Optimised Reactor Configuration', *Water Research*, 43, pp. 643 - 652.
- Fairall, C, Banner, ML, Peirson, WL, Asher, W, & Morison, RP, 2009, 'Investigation of the Physical Scaling of Sea Spray Spume Droplet Production', *Journal of Geophysical Research: Atmospheres*, 114, pp. C10001.
- Ferguson, C, Charles, KJ, & Deere, D, 2009, 'Quantification of Microbial Sources in Drinking-Water Catchments', *Critical Reviews in Environmental Science and Technology*, 39, pp. 1 - 40.
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- Glamore, W, & Indraratna, B, 2009, 'Tidal-forcing Groundwater Dynamics in a Restored Coastal Wetland: Implications of Saline Intrusion', *Australian Journal of Earth Sciences*, 56, pp. 31 - 40.
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- Guariso, G, Michetti, F, Porta, F, & Moore, SJ, 2009, 'Modelling the Upgrade of an Urban Waste Disposal System', *Environmental Modelling and Software*, 24, pp. 1314 - 1322.
- Hambly, A, Henderson, RK, Baker, Stuetz R & Khan S, 2009, 'Fluorescence monitoring for cross-connection detection in water reuse systems: Australian case studies', *Water Science and Technology*, 61, pp. 155 - 162.
- Henderson, RK, Baker, A, Murphy, KR, Hambly, A, Stuetz R & Khan S, 2009, 'Fluorescence as a Potential Monitoring Tool for Recycled Water Systems: A Review', *Water Research* , 43, pp. 863 - 881.
- Jakrawatana, N, Moore, S, & MacGill, IF, 2009, 'Economic Assessment of Regional Bioenergy Systems in Australia: A Flow Analysis Application', *International Journal of Environment and Pollution*, 39, pp. 61 - 73.
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- Johnson, FM, & Sharma, A, 2009, 'Measurement of GCM Skill in Predicting Variables Relevant for Hydroclimatological Assessments', *Journal of Climate*, 22, pp. 4373 - 4382.

- Jones, AM, Pham, AN, Collins, RN, & Waite, TD, 2009, 'Dissociation Kinetics of Fe(III)- and Al(III)-natural Organic Matter Complexes at pH 6.0 and 8.0 and 25 degrees C', *Geochimica et Cosmochimica ACTA* , 73, pp. 2875 - 2887.
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- Khan, SJ, Murchland, D, Rhodes, M, & Waite, TD, 2009, 'Management of Concentrated Waste Streams from High-Pressure Membrane Water Treatment Systems', *Critical Reviews in Environmental Science and Technology* , 39, pp. 367 - 415.
- Kovalsky, P, Bushell, GC, & Waite, TD, 2009, 'Prediction of Transmembrane Pressure Build-Up in Constant Flux Microfiltration of Compressible Materials In the Absence And Presence of Shear', *Journal of Membrane Science* , 344, pp. 204 - 210.
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- Marselina, Y, Lafia, J, Le-Clech, P, Stuetz, RM, & Chen, V, 2009, 'Characterisation of Membrane Fouling Deposition and Removal by Direct Observation Technique', *Journal of Membrane Science*, 341, pp. 163 - 171.
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- Mehrotra, R, & Sharma, A, 2009, 'Evaluating Spatio-Temporal Representations in Daily Rainfall Sequences from three Stochastic Multi-Site Weather Generation Approaches', *Advances in Water Resources* , 32, pp. 948 - 962.
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- Murphy, KR, Boehme, J, Noble, M, Smith, G, & Ruiz, G, 2009, 'Deducing Ballast Water Sources in Ships Arriving in New Zealand from Southeastern Australia', *Marine Ecology Progress Series*, 390, pp. 39 - 53.

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- Peters, G, & Blackburn, NJ, 2009, 'LCA Comparison of an 'Atmospheric Water Generator' with a Bottled Water Cooler', *Proceeding of Sixth Australian Conference on Life Cycle Assessment*, 35, pp. 1 - 10.
- Peters, G, 2009, 'Popularize or Publish? Growth in Australia', *International Journal of Life Cycle Assessment*, 14, pp. 503 - 507.
- Peters, G, Rowley, H, Wiedemann, S, Tucker, R, Short M, & Schulz M, 'Red Meat Production in Australia: Life Cycle Assessment and Comparison with Overseas Studies', *Environmental Science and Technology*, 44, pp. 1327 -1332.
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- Rowley, HV, Lundie, S, & Peters, G, 2009, 'A Hybrid Life Cycle Assessment Model for Comparison with Conventional Methodologies in Australia', *International Journal of Life Cycle Assessment*, 14, pp. 508 - 516.
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Timms, WA, Hendry, MJ, Muise, J, & Kerrich, R, 2009, 'Coupling Centrifuge Modeling and Laser Ablation Inductively Coupled Plasma Mass Spectrometry to determine Contaminant Retardation in Clays', *Environmental Science and Technology*, 43, pp. 1153 - 1159.

Turner, IL, Russell, P, Butt, T, Blenkinsopp, CE, & Masselink, G, 2009, 'In-situ estimates of net sediment flux per swash: Reply to discussion by TE Baldock of 'Measurement of Wave-by-Wave Bed-levels in the Swash Zone', *International Journal of Coastal Engineering*, SI56, pp. 1009 - 1012.

Williams, JL, Masselink, G, Buscombe, D, Matias, A, Turner, IL, Ferreira, O, Bradbury, A, Metje, N, Coates, L, Chapman, DR, Thompson, C, Albers, T, & Pan, SW, 2009, 'BARDEX (Barrier Dynamics Experiment) – Taking the Beach in to the Laboratory', *Journal of Coastal Research*, 114, pp. 158 - 162.

Xeusen, L, Bende, W, Mehrotra, R, Sharma, A, & Guoli, W, 2009, 'Consideration of Trends in Evaluating Inter-basin Water Transfer Alternatives within a fuzzy Decision Making Framework ', *Water Resources Management*, 23, pp.3207 - 3220.

Xiao, K, Wang, X, Huang, X, Waite, TD, & Wen, X, 2009, 'Analysis of Polysaccharide, Protein and Humic Acid Retention by Microfiltration Membranes using Thomas' Dynamic Adsorption Model', *Journal of Membrane Science*, 342, pp. 22 - 34.

Yamamoto, A, van den Akker, Cromar, NJ, & Fallowfield, HJ, 'Nitrification Potential In Waste Stabilisation Ponds: Comparison of a Secondary and Tertiary Pond System', *Water Science and Technology*, 61, pp. 781 - 788.

Youn, J-H, Bae S-J, Kim Y-J, Moore S, & Lee D-H, 2009, A Study on the effect of moisture content variation of landfill cover soil on the methane oxidation rate(Korean), *J. of Korea Solid Waste Management Society*, Vol. 26, No. 4, pp. 329 - 335.

Van den Akker, Beard, H, Kaeding, U, Giglio, S, & Short, M, 'Exploring the Relationship between Viscous Bulking and Ammonia-Oxidiser Abundance in Activated Sludge: A Comparison of Conventional and IFAS Systems ', *Science Direct*. 10.1016/j.watres.2010.02.016.

Zardari, N, & Cordery, I, 2009, 'Water productivity in a Rigid Irrigation Delivery System', *Water Resources Management*, 23, pp. 1025 - 1040.

## **Journal - Non Refereed Article**

Singh, S, Hambly, A, Henderson, RK, & Khan, SJ, 2009, 'Analysis of Recycled Drinking Water Samples from REUSE09-technical note', *Water*, 36, pp. 71 - 74.

## **Conference - Full Paper Refereed**

Austin, M, Masselink, G, Turner, IL, & Buscombe, D, 2009, 'Groundwater Seepage between a Gravel Barrier Beach and a Freshwater Lagoon', *31st International Conference on Coastal Engineering*, Hamburg, Germany, 1-5 September 2008.

Badenhop, AM, & Timms, WA, 2009, 'Managed Aquifer Recharge in Sydney Coastal Sand Aquifers', *Groundwater in the Sydney Basin Symposium*, Sydney, 4-5 August 2009.

Beavis, P, MacGill, I, Hassall, K, Black, J, Moore, S, 'Precision Interface Flows with Intermodal Dry Ports: Hydro-thermal Coordination and Dynamic Programming'; *The 18th International Symposium*

on *Transportation and Traffic Theory (ISTTT18)*; July 16-18, 2009, Hong Kong  
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Blacka, MJ, Carley, JT, Corbett, B, & Jackson, LA, 2009, 'Wave Transmission over Low Crested Geotextile Breakwater Structures', *Australasian Coasts and Ports Conference 2009*, Wellington, New Zealand, 16-18 September 2009.

Blenkinsopp, CE, Turner, IL, Masselink, G, & Russell, P, 2009, 'Field Measurements of Net Sediment Flux from Individual Swashes on a Sandy Beach', *6th Coastal Dynamics*, Tokyo, 7-11 September.

Blenkinsopp, CE, Turner, IL, Masselink, G, & Russell, P, 2009, 'Measurements of Net Cross-Shore Sediment Flux at the Timescale of Individual Swashes', *Australasian Coasts and Ports Conference 2009*, Wellington, New Zealand, 16-18 September 2009.

Carley, JT, Blacka, MJ, Mariani, A, Cox, RJ, Attwater, C, & Watson, P, 2009, 'Integrated Assessment of Coastal Hazards and Climate Change for Clarence City, Tasmania', *Australasian Coasts and Ports Conference 2009*, Wellington, New Zealand, 16-18 September 2009.

Coghlan, IR, Carley, JT, Cox, RJ, Blacka, MJ, Mariani, A, Restall, S, Hornsey, W, & Sheldrick, S, 2009, 'Two-Dimensional Physical Modelling of Sand Filled Geocontainers for Coastal Protection', *Australasian Coasts and Ports Conference 2009*, Wellington, New Zealand, 16-18 September 2009.

Coleman, H, Le-minh, N, Khan, SJ, Short, M, Chernicharo, CA, & Stuetz, RM, 'Fate and Levels of Steroid Oestrogens and Androgens in Waste Stabilisation Ponds: Quantification by Liquid Chromatography - Tandem Mass Spectrometry', *8th International Water Association Specialist Group Conference on Waste Stabilization Ponds*, Brazil, 26-30 April.

Dever, SA, Swarbrick, GE, & Stuetz, RM, 2009, 'A Simple Carbon Mass Balance for Evaluating the Field Performance of a Passive Landfill Gas Biofilter', *Sardinia 2009, Twelfth International Waste Management & Landfill Symposium*, Sardinia, 5 - 9 October.

Glamore, W, Rayner, D, & Miller, BM, 'Design of an Ebb Tide Release', *Australasian Coasts and Ports Conference 2009*, Wellington, New Zealand, 16-18 September 2009.

Glamore, W, 'Restoring Coastal Wetlands: Engineering Nature and Managing Expectations', *Australasian Coasts and Ports Conference 2009*, Wellington, New Zealand, 16-18 September 2009.

Hambly, A, Henderson, RK, Baker, A, Stuetz, RM, & Khan S, 2009, 'Probabilistic Analysis of Fluorescence Signals for Monitoring Dual Reticulation Water Recycling Schemes', *7th IWA World Congress on Water Reclamation and Reuse (REUSE09)*, Brisbane, 20-25th September.

Harley, MD, Turner, IL, Short, AD, & Ranasinghe, R, 2009, 'An Empirical Model of Beach Response to Storms – SE Australia', *Australasian Coasts and Ports Conference 2009*, Wellington, New Zealand, 16-18 September 2009.

Harley, MD, Turner, IL, Short, A, & Ranasinghe, R, 2009, 'Rotation and Oscillation of an Embayed Beach', *31<sup>st</sup> International Conference on Coastal Engineering*, Hamburg, Germany, 1-5 September 2008.

Henderson, RK, Stuetz, RM, & Khan, SJ, 2009, 'Demonstration Ultra-Filtration and Reverse Osmosis Performance using Size Exclusion Chromatography', *7th IWA World Congress on Water Reclamation and Reuse (REUSE09)*, Brisbane, 20-25 September.

Jakrawatana, N, Moore, S, Lim, S, MacGill, 'Spatial Cd stock and flow analysis on Australian regional agricultural land'; *Asian Simulation and Modelling Conference proceedings*, Bangkok, 2009

Johnson, F, & Sharma, A, 2009, 'An Assessment of Future Water Availability Across the World Using Nested Bias Corrected GCM Precipitation Outputs', *32nd Hydrology and Water Resources Symposium*, Newcastle, November 2009.

Johnson, F, & Sharma, A, 2009, 'Assessing Future Droughts In Australia - A Nesting Model to Correct for Long-Term Persistence in General Circulation Model Precipitation Simulations', *The 18th World IMACS Congress and MODSIM09 International Congress on Modelling and Simulation*, Cairns, Australia, 13-17 July 2009.

Johnson, F, & Sharma, A, 2009, 'GCM Simulations of a Future Climate: How Does the Skill of GCM Precipitation simulations compare to Temperature Simulations', *the 18th World IMACS Congress and MODSIM09 International Congress on Modelling and Simulation*, Cairns, July 13-17, 2009.

Johnson, F, & Sharma, A, 2009, 'Worldwide Assessment of the Agreement of GCMs in the Prediction of Hydroclimatic Variables for the Future', *32nd Hydrology and Water Resources Symposium*, Newcastle, November 2009.

Khan, U, & Sharma, A, 2009, 'A New Approach for Desalination of Hydrologic Response Units in Large Catchments', *The 18th World IMACS Congress and MODSIM09 International Congress on Modelling and Simulation*, Cairns, Australia, 13-17 July 2009.

Khan, U, Sharma, A, & Tuteja, NK, 2009, 'Landform Desalination Methodology for Large Topologically Connected Hydrological Systems', *32nd Hydrology and Water Resources Symposium*, Newcastle, November 2009.

Liu, Y, McCabe, MF, Evans, J.P, Van Dijk, AIJM, De Jeu, RAM, Su, H, 2009, 'Comparison of Soil Moisture in GLDAS Model Simulations and Satellite Observations over the Murray Darling Basin', *18th World IMACS Congress and MODSIM09 International Congress on Modelling and Simulation*, Cairns, Australia, 13-17 July 2009.

Mariani, A, Blacka, MJ, & Carley, JT, 2009, 'Extreme Wave Overtopping of a Vertical Breakwater. A Physical Model and Desktop Investigation', *Coasts&Ports*, Wellington New Zealand, 16-18 September 2009.

McCabe, MF, Liu, Y, Vinukollu, R, Su, Z, Evans, JP, & Wood, EF, 2009, 'Comparison of Latent Heat Flux Estimates over Australia', *18th World IMACS Congress and MODSIM09 International Congress on Modelling and Simulation*, Cairns, Australia, 13-17 July 2009.

Mehrotra, R, & Sharma, A, 2009, 'Assessing rainfall availability over the Sydney region in a future climate using stochastic downscaling', *The 18th World IMACS Congress and MODSIM09 International Congress on Modelling and Simulation*, Cairns, Australia, 13-17 July 2009.

Mehrotra, R, & Sharma, A, 2009, 'Catchment specification using mixture of models', *32nd Hydrology and Water Resources Symposium*, Newcastle, November 2009.

Morris, BD, & Turner, IL, 2009, 'Intermittently Open-closed Lagoon Entrance Morphodynamics: Infilling, Stability And Climate Change Impacts', *Australasian Coasts and Ports Conference 2009*, Wellington, New Zealand, 16-18, September 2009.

Morris, BD, Turner, IL, & Davidson, M, 2009, 'Monitoring and Modelling of Entrance Sedimentation at an Intermittently Open-Closed Lagoon', *31st International Conference on Coastal Engineering*, Hamburg, Germany, 1-5, September 2008.

Peters, G, & Blackburn, NJ, 2009, 'LCA Comparison of an Atmospheric Water Generator with a Bottled Water Cooler', *Sixth Australian Conference on Life Cycle Assessment*, Melbourne, 17-19 February.

Peters, G, & Rowley, HV, 2009, 'Multi-criteria methods for the aggregation of life cycle impacts', *Sixth Australian Conference on Life Cycle*, Melbourne, 17-19 February.

Peters, G, Schulz, M, & Rowley, HV, 2009, 'Tool for Rapid Cost And Environmental Assessment of Water Servicing Strategies', *Sixth Australian Conference on Life Cycle Assessment*, Melbourne, 16-19 February.

Peters, G, Schulz, M, & Rowley, HV, 2009, 'Tool for rapid cost and environmental assessment of water servicing strategies', *Sixth Australian Conference on Life Cycle Assessment*, Melbourne, 17-18 February.

Pui, A, Sharma, A, & Mehrotra, R, 2009, 'A Comparison of Alternatives for Daily to Sub-Daily Rainfall Disaggregation', *The 18th World IMACS Congress and MODSIM09 International Congress on Modelling and Simulation*, Cairns, Australia, 13-17 July 2009.

Pui, A, Westra, SP, & Sharma, A, 2009, 'How does the El Nino Southern Oscillation and Other Large Scale Forcings Impact daily - Sub Daily Rainfall in Eastern Australia?', *32nd Hydrology and Water Resources Symposium*, Newcastle, November 2009.

Pui, A, Lall, A, & Sharma, A, 2009, 'How does the Interdecadal Pacific Oscillation affect Design Floods in Eastern Australia?' *32nd Hydrology and Water Resources Symposium*, Newcastle, November 2009.

Rayner, D, & Glamore, W, 'Understanding the Transport and Buffering Dynamics of Acid Plumes in Estuaries', *Australasian Coasts and Ports Conference 2009*, Wellington, New Zealand, 16-18 September 2009.

Shand, TD, Peirson, WL, & Cox, RJ, 2009, 'On the Influence of Wave Groups on Shoaling and Breaking Waves', *31st International Conference on Coastal Engineering*, Hamburg, Germany, 1-5 September 2008.

Shand, TD, Cox, RJ, Peirson, WL, & Banner, M, 2009, 'Predicting Hazardous Conditions on Coastal Rock Platforms', *Australasian Coasts and Ports Conference 2009*, Wellington, New Zealand, 16-18 September 2009.

Singh, S, Henderson, RK, Baker, A, Stuetz, RM, & Khan, S, 2009, 'Towards the Development of a Fluorescence-Based Membrane Integrity Monitoring Protocol', *7th IWA World Congress on Water Reclamation and Reuse (REUSE09)*, Brisbane, 20-25th September.

Sivakumar, B, & Sharma, A, 2009, 'Climate Change Impacts on Water Resources Planning and Management: Scientific Challenges and Beyond', *The 18th World IMACS Congress and MODSIM09 International Congress on Modelling and Simulation*, Cairns, Australia, 13-17 July 2009.

Timms, WA, & Acworth, RI, 2009, 'Quantifying the Potential Impact of Leaky Boreholes', *Groundwater in the Sydney Basin Symposium*, Sydney, 4-5th August 2009.

Turner, IL, Masselink, G, Russell, PE, & Blenkinsopp, CE, 2009, 'Beach Level Change Over Individual Swash Cycles On Sand And Gravel Beaches', *31st International Conference on Coastal Engineering*, Hamburg, Germany, 1-5, September 2008.

Turner, IL, Masselink, G, & Williams, J, 2009, 'Proto-type Scale Laboratory Study Of Groundwater Manipulation Within A Gravel Barrier', *Australasian Coasts and Ports Conference 2009*, Wellington, New Zealand, 16-18, September 2009.



Wasko, C, & Sharma, A, 2009, 'Assessing the Impact of the 11-year Solar Cycle on Drought in Australia', *The 18<sup>th</sup> World IMACS Congress and MODSIM09 International Congress on Modelling and Simulation*, Cairns, Australia, 13-17 July 2009.

Webb, AT, & Glamore, W, 'Sediment Fallout from Dense Outfall Plumes', *Australasian Coasts and Ports Conference 2009*, Wellington, New Zealand, 16-18 September 2009.

Westra, SP, & Sharma, A, 2009, 'An Upper Limit to Seasonal Rainfall Predictability?' *32<sup>nd</sup> Hydrology and Water Resources Symposium*, Newcastle, November 2009.

Westra, SP, & Sharma, A, 2009, 'Continuous Rainfall Simulation: Estimation at Ungauged Locations', *32<sup>nd</sup> Hydrology and Water Resources Symposium*, Newcastle, November 2009.

Westra, SP, & Sharma, A, 2009, 'Estimating the Seasonal Predictability of Global Precipitation - An Empirical Approach', *The 18<sup>th</sup> World IMACS Congress and MODSIM09 International Congress on Modelling and Simulation*, Cairns, Australia, 13-17 July 2009.

Coleman, H, Le, MN, Khan, SJ, Short, M, Chernicharo, CA, Stuetz, RM, 2009, 'Fate and Levels of Steroid Oestrogens and Androgens In Waste Stabilisation Ponds: Quantification By Liquid Chromatography - Tandem Mass Spectrometry', *8<sup>th</sup> International Water Association Specialist Group Conference on Waste Stabilization Ponds*, Belo Horizonte, Brazil, 29-30 April 2009.

Cromar, NJ, & Fallowfield, HJ, 2009, 'Importance of Hydraulic Characterisations in Waste Stabilisation Pond Research: Results from Pilot-Scale Algal, Duckweed, Rock Filter and Attached-Growth Media Reactors', *8<sup>th</sup> International Water Association Specialist Group Conference on Waste Stabilization Ponds*, Belo Horizonte, Brazil, 26<sup>th</sup> - 30<sup>th</sup> April.

Peters, G, & Rowley, H, 2009, 'Tool for Rapid Cost and Environmental Assessment of Water Servicing Strategies', *Australian Life Cycle Assessment Conference*, Melbourne, Australia, 16-19 February.

### **Conference - Full Paper, Not Refereed**

Thomas J, Storey, MV, Stuetz, RM, Kjelleberg, S, & Ashbolt, NJ, 2009, 'Diversity of Free-Living Amoebae in a Dual Distribution (Potable and Recycled) Water System', *15<sup>th</sup> Health Related Water Microbiology Symposium*, Greece, 31st May - 5th June.

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Dever, Stuart Anthony. “Passive drainage and biofiltration of landfill gas.”  
Supervisor: R Stuetz; Co-supervisor: G Swarbrick

Godrant, Aurelie. “Role of superoxide in iron acquisition by marine phytoplankton.”  
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Han, Hyung Jin. “Senolytic degradation of contaminants.”  
Supervisor: D Waite; Co-supervisor: O Devos

Harley, Mitchell Dean. “Regional scale climate of coastal erosion and shoreline changes based on long-term survey dataset and coastal imaging technology.”  
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