

Publications for 2007

Journal papers (refereed)

Astrom, J., Petterson, S., Bergstedt, O., Pettersson T. J. R. and Stenstrom T. A. 2007 Evaluation of the microbial risk reduction due to selective closure of the raw water intake before drinking water treatment *Journal of Water and Health* | 05.Suppl 1 81-97.

Coleman, H.M., Vimonses, V., Leslie, G., Amal, R., Degradation of 1,4-dioxane in water using TiO₂ based photocatalytic and H₂O₂/UV processes, *Journal of Hazardous Materials*, 2007, 146, 496-501.

Coleman, H.M., Vimonses, V. +, Leslie, G., Amal, R., Removal of contaminants of concern in water using advanced oxidation technologies, *Water Science and Technology*, 2007, **55**, 12, 301-306.

Fernando, D. R., Woodrow, I. E., Bakkaus, E. J., Collins, R. N., Baker, A. J. M and Batianoff G. N. (2007) Variability of Mn hyperaccumulation in the Australian rainforest tree *Gossia bidwillii* (Myrtaceae). *Plant Soil* 293(1-2): 145-152.

Dever S.A., Swarbrick G.E. and Stuetz R.M. (2007) Biofiltration of landfill gas: design and construction of Australian field scale trial. *Waste Management* 27, 277-286

Dwyer L, Forsyth P, Fredline L, Deery M, Jago L, Lundie S. (2007) Yield measures for special-interest Australian inbound tourism markets. *Tourism Economics*, 13(3)421-440.

Feitz, AJ; Lundie, S; Dennien, G*, Morain M*, Jones M*. (2007) Generation of an industry-specific physico-chemical allocation matrix - Application in the dairy industry and implications for systems analysis. *International Journal of Life Cycle Assessment*, 12(2)109-117.

Ferguson, C.M., Croke, B.R.W., Beatson, P.J., Ashbolt, N.J. and Deere, D.A. (2007). Development of a process-based model to predict pathogen budgets for the Sydney drinking water catchment. *Journal of Water and Health* 5(2), 187-208.

Ferguson, C., Davies, C.M., Kaucner, C., Krogh, M., Rodehutsors, J., Deere, D. and Ashbolt, N.J. (2007). Field scale quantification of microbial transport from bovine faeces under simulated rainfall events. *Journal of Water and Health* 5(1):83-95.

+Garg, S., Rose, A. L., +Godrant, A. and Waite, T. D. (2007). Iron uptake by the ichthyotoxic *Chattonella marina* (Raphidophyceae): impact of superoxide generation. *Journal of Phycology* 43(5): 978-991.

Garg, S., Rose, A. L. and Waite, T. D. (2007). Superoxide mediated reduction of organically complexed iron(III): Comparison of non-dissociative and dissociative reduction pathways. *Environ. Sci. Technol.* 41(9): 3205-3212.

+ +Garg, S., Rose, A. L. and Waite, T. D. (2007). Production of reactive oxygen species on photolysis of dilute aqueous quinone solutions. *Photochemistry and Photobiology* 83:904-913.

+Garg, S., Rose, A. L. and Waite, T. D. (2007). Superoxide-mediated reduction of organically complexed iron(III): Impact of pH and competing cations (Ca²⁺). *Geochimica et Cosmochimica Acta* 71:5620-5634.

Khan, S. J., Murchland, D., Rhodes, M. and Waite, T. D. (2007) Management of concentrated waste streams from high pressure membrane water treatment systems. *Crit. Rev. Env. Sci. Tech.*, (In Press. Accepted for Publication 18 August 2007).

Khan, S. J., Roser, D. J., Davies, C. M., Peters, G. M., Stuetz, R. M., Tucker, R. and Ashbolt, N. J. (2007) Chemical contaminants in feedlot wastes: Concentrations, effects and attenuation. *Environment International*, (In Press. Accepted for Publication 29 October 2007).

E. Lai, S. Lundie and N. J. Ashbolt (2007) A new approach to aid urban water management decision making using trade-off sacrifice modelled by fuzzy logic. In: *IWA journal Water Science and Technology*, issue 8 volume 56:wst.2007.597

Lam, S.-W., Hermawan, M., Coleman, H.M., Fisher, K.*, Amal, R., The Role of Copper(II) Ions in the Photocatalytic Oxidation of 1,4-Dioxane, *Journal of Molecular Catalysis A: Chemical*, 2007, 278, 152-159.

Långmark, J., Storey, M.V., Ashbolt, N.J. and Stenström, T.-A. (2007). The effects of UV disinfection on distribution pipe biofilm growth and pathogen incidence within the greater Stockholm area, Sweden. *Water Research* 41(15):3327-3336.

Le-Clech P., Marselina Y., Stuetz R.M. and Chen V. (2007) Non-destructive observations of carbohydrate fouling on microporous membranes. *Journal of Membrane Science* 290, 36 – 45

Le T.M.H, Collins, R. N., and Waite TD (2008) Impact of soil consolidation and solution composition on the hydraulic properties of coastal acid sulfate soils. *Aust. J. Soil Res.* (in press, accepted 11/2007).

Lundie, S., Dwyer, L., Forsyth, P. (2007) Environmental-economic measures of tourism yield. *Journal of Sustainable Tourism*. 15(5)503-519.

Lundie, S; Huijbregts, MAJ*; Rowley, HV, Mohr NJ*, Feitz AJ. (2007) Australian characterisation factors and normalisation figures for human toxicity and ecotoxicity. *Journal Of Cleaner Production*, 15(8-9)819-832.

Metzger U, Le-Clech P, Stuetz R.M., Frimmel F. H. and Chen V (2007) Characterisation of polymeric fouling in membrane bioreactors and the effect of different filtration modes. *Journal of Membrane Science* 30(1), 180–189

Nilsson, P., Roser, D., Thorwaldsdotter, R., Petterson, S., Davies, C., Signor, R., Bergstedt, O. & Ashbolt, N. (2007). SCADA data and the quantification of hazardous events for QMRA. *Journal of Water and Health* 5(Suppl 1):99-105.

Petterson, S.R., Signor, R.S. and Ashbolt, N.J. (2007). Incorporating method recovery uncertainties in stochastic estimates of raw water protozoan concentrations for QMRA. *Journal of Water and Health* 5(Suppl 1):51-65.

Rose, A. L. and Waite, T. D. (2007). Reconciling kinetic and equilibrium observations of iron(III) solubility in aqueous solutions with a polymer-based model. *Geochimica et Cosmochimica Acta* 71:5605-5619.

Seelsaen N., McLaughlan R., Moore S. and Stuetz R.M. (2007) Influence of compost characteristics on heavy metal removal from synthetic stormwater. *Water Science and Technology* 55 (4), 219-226

Signor, R. S., Ashbolt, N. J. and Roser, D. J. 2007 Microbial risk implications of rainfall-induced runoff events entering a reservoir used as a drinking-water source *Journal of Water Supply: Research and Technology—AQUA* 515-530.

Journal papers (unreferred)

Khan, S. J. (2007) Is water recycling safe? Risk assessment and management for potable water recycling. *Local Government Reporter*, 5(6), 70-74.

Pham, A.N. and Waite, T.D. (2007) Oxygenation of Fe(II) in the presence of citrate in aqueous solutions at pH 6.0-8.0 and 25 oC: interpretation from Fe(II)/citrate speciation perspective, *Journal of Physical Chemistry A* (in press, accepted Oct 2007).

Santiwong, S, Guan, J. and T.D. Waite (2008) Effect of Ionic Strength and pH on Hydraulic Properties and Structure of Accumulating Solid Assemblages during Microfiltration of Montmorillonite Suspensions, *Journal of Colloid & Interface Science*, 317, 214-227.

Conference papers (refereed)

Coleman, H.M., Halim, E., Leslie, G., Amal, R., Advanced oxidation technologies for removal of micropollutants in indirect potable reuse schemes, AWA Water Reuse and Recycling Conference 2007 16th-18th July 2007. Published in pp 96-104, S.J. Khan, R.M. Stuetz, J.M. Anderson (Eds), *Water Reuse and Recycling 2007*, University of New South Wales, Sydney, Australia, ISBN 978 0 7334 2517 2.

Coleman, H.M., Khan, S.J., Watkins, G. *, Stuetz, R.M., Fate and analysis of endocrine disrupting chemicals in some sewage treatment plants in Australia, What's in Our Water: The significance of trace organic compounds, 2nd Australian Symposium on Ecological Risk Assessment and Management of Endocrine Disrupting Chemicals (EDCs), Pharmaceuticals and Personal Care Products (PPCPs) in the Australasian Environment, Canberra, Australia, 21st–22nd November 2007.

Coleman, H.M., Leslie, G., Amal, R., Removal of contaminants of concern in water using advanced oxidation technologies, What's in Our Water: The significance of trace organic compounds, 2nd Australian Symposium on Ecological Risk Assessment and Management of Endocrine Disrupting Chemicals (EDCs), Pharmaceuticals and Personal Care Products (PPCPs) in the Australasian Environment, Canberra, Australia, 21st–22nd November 2007.

Coleman, H.M., Vimonses, V. +, Halim, E., Leslie, G., Amal, R., Degradation of contaminants of concern using advanced oxidation technologies, 5th International Water Association Specialised conference on Assessment and Control of Micropollutants/Hazardous Substances in Water, Frankfurt, Germany, 17th -20th June 2007.

Coleman, H.M., Vimonses, V., Leslie, G., Amal, R., Degradation of 1,4-dioxane in water using TiO₂ based photocatalytic and H₂O₂/UV processes, *Journal of Hazardous Materials*, 2007, 146, 496-501

Coleman, H.M., Vimonses, V. +, Leslie, G., Amal, R., Removal of contaminants of concern in water using advanced oxidation technologies, *Water Science and Technology*, 2007, 55, 12, 301-306

Collins RN, ND Tran, L Avoscan, M Carriere and B Gouget (2007) Synchrotron analyses of the chemical nature of isotopically exchangeable (potentially phytoavailable) soil cadmium. Ninth International Conference on the Biogeochemistry of Trace Elements, Beijing, China, July 2007.

Khan, S.J., Coleman, H.M., Stuetz, R.M., Endocrine disrupting chemicals and pharmaceuticals in beef cattle feedlot wastes, What's in Our Water: The significance of trace organic compounds, 2nd Australian Symposium on Ecological Risk Assessment and Management of Endocrine Disrupting Chemicals (EDCs), Pharmaceuticals and Personal Care Products (PPCPs) in the Australasian Environment, Canberra, Australia, 21st–22nd November 2007.

Khan, S. J. and Weinberg, H. S. (2007) Characterisation of carbonyl byproducts of drinking water ozonation. In: Micropol & Ecohazard: 5th IWA Specialised Conference on Assessment and Control of Micropollutants / Hazardous Substances in Water International Water Association, Frankfurt/Main, Germany.

Lam, S.-W., Hermawan, M., Coleman, H.M., Fisher, K.*, Amal, R., The Role of Copper(II) Ions in the Photocatalytic Oxidation of 1,4-Dioxane, Journal of Molecular Catalysis A: Chemical, 2007, 278, 152-159

Nghiem, L. D. and Khan, S. J. (2007) Effects of operating conditions on the removal of trace organic contaminants by a loose nanofiltration membrane. In: AWA Membranes Specialty Conference II Australian Water Association, Melbourne, VIC, Australia

Seelsaen N., McLaughlan R., Stuetz R. M. and Moore, S. (2007) Material flow analysis: An integrated tool for stormwater runoff management - case study of copper in stormwater runoff. Novatech 2007, Lyon, 8pp.

Sun L, Y Zhang, R Collins, T Sun, J Guan, TD Waite and X Li (2007) Spatial distribution and variability of Cd, Pb, Zn in soils in Shenyang Zhangshi Irrigation Area (SZIA), China. Ninth International Conference on the Biogeochemistry of Trace Elements, Beijing, China, July 2007.

Conference papers (unrefereed)

Angles, M., Davies, C., Lovell, A., Krogh, M., Thompson, R., Roddy, S. & Ashbolt, N. (2007) Challenge testing of medium pressure UV disinfection at a recycled water plant. In Proceedings of the 3rd Australian Water Association 'Water Reuse and Recycling' Conference (Reuse2007), 16-18 July, pp. 41-48. Edited by S. Khan, R. Stuetz & J.M. Anderson. University of New South Wales, Sydney: UNSW Publishing and Printing Services.

Angles, M., Davies, C.M., Lovell, A.J. and Ashbolt, N.J. (2007). In situ challenge testing of medium pressure UV disinfection at a recycled water treatment plant. In 14th International Symposium on Health-Related Water Microbiology Tokyo, Japan: International Water Association.

Ashbolt, N.J. (2007). Monitoring of microbes in drinking water - How protective is it for public health? In The 17th Annual Conference of the International Society for Exposure Analysis Durham, North Carolina: ISEA.

Ashbolt, N.J. (2007) Global warming and trans-boundary movement of waterborne microbial pathogens In International symposium on Dialogue between Social and Natural Sciences 26 - 28 February, 2007, Princess Kaiulani Hotel, Honolulu, Hawaii: University of Tokyo.

Barnes, R. and Ashbolt, N. (2007). Decision-Making for Sustainable Water and Sanitation Development Projects: A Case Study in Rural Philippines. Kuala Lumpur, Malaysia: International Water Association.

Coleman, H.M., Khan, S.J., Watkins, G. *, Stuetz, R.M., Fate and analysis of endocrine disrupting chemicals in some sewage treatment plants in Australia, 2nd International Water Association ASPIRE Conference and Exhibition: Water and Sanitation in the Asia-Pacific Region: Opportunities, Challenges and Technology, Perth, Australia, 28th October-1st November 2007.

Dever S.A., Swarbrick G.E., Stuetz R.M. and Kaucner C. (2007) Passive drainage and biofiltration of landfill gas: conclusions of Australian trials. Proceeding 11th International Waste Management and Landfill Symposium, Sardinia 2007, Italy, CD-Rom 10pp.

Georgaki S. and Stuetz R.M. (2007) Are membranes the answer to odours? Proceeding WEFTEC, San Diego, CD-Rom 6pp.

Georgaki S., Stuetz R.M. and Jefferson B. (2007) Mass transfer modelling the application of porous membranes for odour control. Proceeding 6th IMSTEC Conference, Sydney,

Khan, S. J. (2007) Seawater desalination and indirect potable reuse arrive in Australia. In: 22nd Water Reuse Symposium "Water Reuse & Desalination: Bright as the Florida Sun" Water Reuse Association, Tampa, FL, USA.

Khan, S., Roser, D.J., Ashbolt, N.J., Lovell, A. & Angles, M. (2007). Health risk assessment for recycling for replacement river flows. In Proceedings of the 3rd Australian Water Association 'Water Reuse and Recycling' Conference (Reuse2007), 16-18 July, 2007, pp. 263-271. Edited by S. Khan, R. Stuetz & J.M. Anderson. University of New South Wales, Sydney: UNSW Publishing and Printing Services.

Khan, S. J. and *Weinberg, H. S. (2007) Characterisation of carbonyl byproducts of drinking water ozonation. In: Micropol & Ecohazard: 5th IWA Specialised Conference on Assessment and Control of Micropollutants / Hazardous Substances in Water International Water Association, Frankfurt/Main, Germany.

Le-Minh N., Khan S. and Stuetz R.M. (2007) Removal of antibiotics in wastewater using membrane bioreactor and activated sludge. AQUAREC conference, University of Wollongong.

Lundie S, Peters G, Ashbolt N, Lai E, Livingston D (2007) The role of assessment tools in a sustainability framework for the Australian water industry. Proceedings of Ozwater 2007, 4-8 March 2007, Sydney, 8 pages, ISBN 978 0 908255 67 2.

Marselina, Y., Le-Clech, P., Stuetz, R.M. and Chen, V. (2007) Fouling monitoring and visualisation in membrane bioreactor. Proceeding 6th IMSTEC Conference, Sydney

Mitchell, V.G., Taylor, G.D., Petterson, S.R., Davies, C.M. & Ashbolt, N.J. (2007) Quantifying the benefits and risks of three stormwater harvesting systems in Melbourne. In 11th International Conference on Urban Drainage, 11ICUD Edinburgh International Conference Centre, Edinburgh, Scotland.

Parsci G. and Stuetz R.M. (2007) Improving odour management and abatement performance using olfactory-GC-MS. Proceeding Congress on Biotechniques for Air Pollution Control, La Coruna, Spain, 11pp.

Parsci G. Wang X., Gallagher E., Chattopadhyay G. and Stuetz R.M. (2007) Identification and assessments of VOC emissions from tunnel ventilated poultry housing. Proceeding ABABE 2007, 6pp.

Parsci G. Wang X., Gallagher E., Chattopadhyay G. and Stuetz R.M. (2007) Identification and prioritisation of odorants within the volatile organic compounds (VOC) emissions from tunnel ventilated broiler houses in Australia. Proceeding Air and Waste Management Association conference, Pittsburgh, 13pp.

Petterson, S.R., Davies, C.M., Ashbolt, N.J., Mitchell, V.G., Talyor, D.G. & Lewis, J. (2007). Quantifying microbial health risks for non-potable reuse of stormwater. In Proceedings of the 3rd Australian Water Association 'Water Reuse and Recycling' Conference (Reuse2007), 16-18 July, 2007, pp. 376-386. Edited by S. Khan, R. Stuetz & J.M. Anderson. University of New South Wales, Sydney: UNSW Publishing and Printing Services.

Petterson, S.R., Ashbolt, N.J., Dumoutier, N. and Loret, J.-C. (2007). Quantitative Bayesian predictions of source water concentration for QMRA from presence/absence data for E. coli O157:H7. In 14th International Symposium on Health-Related Water Microbiology Tokyo, Japan: International Water Association.

Rose, A. L., Waite T. D. and Moffett, J. W. (2007). Electron pirates of the Caribbean: Sources, sinks and steady-state concentrations of superoxide in the ocean. Presented to ACS Spring Meeting, Chicago, U.S.A., March 2007

Roser, D.J., Ashbolt, N.J., Davies, C.M., Glamore, W.C., Hawker, K.M. and Miller, B.M. (2007). Application of TMDL and risk assessment principles for pathogen management at an urban recreational lake, Proc. Fourth Conference on Watershed Management to Meet Water Quality Standards and TMDLS (Total Maximum Daily Load) Issues: Solutions and Impediments to Watershed Management, March 11-13, 2007, San Antonio, Texas, The American Society of Agricultural and Biological Engineers.

Roser, D.J., Khan, S., Davies, C., Signor, R.S., Petterson, S.R. & Ashbolt, N.J. (2007). Operational application of quantitative microbial risk assessment in the field of water reuse. In Proceedings of the 3rd Australian Water Association 'Water Reuse and Recycling' Conference (Reuse2007), 16-18 July, 2007, pp. 434-445. Edited by S. Khan, R. Stuetz & J.M. Anderson. University of New South Wales, Sydney: UNSW Publishing and Printing Services.

Seelsaen N., McLaughlan R., Stuetz R. M. and Moore, S. (2007) Material flow analysis: An integrated tool for stormwater runoff management - case study of copper in stormwater runoff. Novatech 2007, Lyon, 8pp.

Signor, R.S. and Ashbolt, N.J. (2007). On comparing probabilistic microbial risk assessments against daily rather than annualized infection probability health-targets. In 14th Health-Related Water Microbiology Symposium Tokyo, Japan: International Water Association.

Storey, M.V., Kaucner, C.E., Angles, M.L., Blackbeard, J.R. and Ashbolt, N.J. (2007). Microbial regrowth and water quality in potable and recycled water distribution systems in Australia (paper o7388). In Ozwater 2007 Sydney Convention & Exhibition Centre: Australian Water Association.

Tang, J.C.C., Denton, A., Le-Clech, P., Stuetz R.M. and Chen, V. (2007) Feasibility of a novel air diffuser for fouling control in a submerged hollow fibre membrane bioreactor. Proceeding 6th IMSTEC Conference, Sydney, .

Wu, J., Le-Clech, P., Chen V. and Stuetz, R.M. (2007) Effects of relaxation and backwashing conditions on fouling in membrane bioreactor. Proceeding 6th IMSTEC Conference, Sydney

Research Reports

Coleman, H.M., Khan, S.J., Stuetz, R.M., Analysis of Wastewater Samples from Sewage Treatment Plants for Endocrine Disrupting Activity, Report prepared for MidCoast Water, University of New South Wales, April 2007.

Coleman, H.M., Lee, A., Tan, C., Analysis of samples from Ballarat North Sewage Treatment Plant for Endocrine Disrupting Potential, Report prepared for Central Highlands Water, University of New South Wales, January 2007.

Collins R, W Glamore, A Jones and TD Waite (2007). Report on field measurements: Black's Drain, Tweed River, December 2006. Report 2007/03, Centre for Water and Waste Technology, The University of New South Wales, Sydney, NSW 2052, Australia. p.13.

Collins R (2007). Report to the Cobalt Development Institute for the 'CEA-CDI soils project'. Report 2007/02, Centre for Water and Waste Technology, The University of New South Wales, Sydney, NSW 2052, Australia. p.5.

Guan, J., Wang, XG. and Stuetz, R. (2007) Ozonation Assessment for Odour Destruction in Condensate (Stage 3) - Determination of Effectiveness of Ozonation for Removal Odorants in QLD Good Condensate. CWWT Report, 2007/04, CWWT School of Civil and Environmental Engineering, UNSW, Sydney

Lundie S, Peters GM (2007) Peer Review of Teleworking Life Cycle Analysis. 27 July. Report for URS Melbourne.

Lundie S, Peters GM, Ashbolt NJ (2007) A review comparing the WSAA Sustainability Framework to the Gold Coast Waterfuture process . 6 July, CWWT Report 2007/11.

Peters G (2007) Calculation of Carbon and Water Footprints. 28 September. Report for Hunter Water Corporation.

Peters GM, Rowley HV (2007) Environmental Life Cycle Assessment of Biosolids Applications. 4 June. Milestone 2 report for Australian Water Association NSW Biosolids Taskforce.

Peters, G. and Rowley, H., 'Life Cycle Assessment for Christies Beach WWTP Upgrade: Final Report', CWWT report number 2007/17, November 2007.

Peters, G. and Rowley, H., (2007) 'Life cycle analysis of the Australian red meat industry - Milestone 4', report for Meat and Livestock Australia, project code COMP.094, CWWT report no 2007/12, 23 June.

Peters GM, Schulz M (2007) Making sustainability practical – a tool for water systems. Project plan and communications plan. 12 April. Milestone 1 Report for the Victorian Smart Water Fund.

Peters GM, Schulz M, Lundie S (2007) Calculation of environmental benefits of plastics recycling. Report for Plastics and Chemical Industries Association. 10 August.

Peters GM, Schulz M, Lundie S (2007) Assessment of Life Cycle Inventory Data for the Australian Plastics Industry. Report for Plastics and Chemical Industries Association. 19 October. CWWT Report 2007/15.

Peters GM, Schulz M (2007) Making sustainability practical – a tool for water systems. Scoping Dialogue Report. 1 June. Milestone 2 Report for the Victorian Smart Water Fund.

Petterson, S.R., Khan, S., Roser, D.J. & Ashbolt, N.J. (2007) Semi-quantitative Risk Assessment of Biosolids Application to Sydney's Drinking Water Catchments. Sydney: Centre for Water and Waste Technology, UNSW.

Roser, D.J. and Ashbolt, N.J. (2007). Source Water Quality Assessment and the Management of Pathogens in Surface Catchments and Aquifers. Research Report 29. Bolivar: CRC for Water Quality and Treatment.

Roser, D.J., Davies, C., Wyllie, S. & Ashbolt, N. (2007) Lake Parramatta Water Safety Plan for Management of Recreational Water Quality & Water Borne Pathogens: Stage 3. Final Report. Characterisation of Event and Recovery Period Water Quality and Collection of other Information in Support of Final Water Safety Plan. March 2007. Sydney: Centre for Water and Waste Technology, University of New South Wales.

Roser, D., Khan, S., Davies, C., Signor, R., Petterson, S. and Ashbolt, N. (2006). Screening Health Risk Assessment for the Use of Microfiltration-Reverse Osmosis Treated Tertiary Effluent for Replacement of Environmental Flows, Centre for Water & Waste Technology, Sydney, pp. 253.

Roser D, Tucker R*, Peters G, Khan S, Davies C, Stuetz R, Ashbolt N (2007) Preliminary Assessment of Risk and Refinement of FLOT.333 Project Plan. 29 May. Milestone 4 Report for Meat and Livestock Australia

Wang, X., Guan, J. and Stuetz, R., Report of Odour Testing for Manly Lagoon Rehabilitation Works Sediment Removal from Site 1 and 2. Research Report 2007/18. pp. 25.

Wang, X. Guan, J. and Stuetz, R., Odour Emission Testing for Yates. Research Report 2007/19.

Editorships

Khan S.J., Stuetz R.M. and Anderson J.M. (eds) (2007) Proceeding 3rd AWA Water Reuse and Recycling Conference, REUSE07, UNSW Publishing, Sydney,

Khan, S. J., Stuetz, R. M. and Anderson, J. M. (Eds.) (2007) Water Recycling and Reuse, UNSW Publishing, Sydney, NSW. ISBN: 978 0 7334 2517 2.

Edited Books

Khan, S. J., Stuetz, R. M. and *Anderson, J. M. (Eds.) (2007) Water Recycling and Reuse, UNSW Publishing, Sydney, NSW. ISBN: 978 0 7334 2517 2

Book Chapters

Khan, S. J. and Weinberg, H. S. (2007) Characterisation of carbonyl byproducts of drinking water ozonation. Water Science & Technology: Water Supply, 7(5-6), 95-100.

Leslie, G. and Khan, S.J. (2007), Chapter 4: Advanced water treatment technologies in Purified recycled water for drinking: The technical issues., T. Gardner and C. Yeates, Editors. 2007, Queensland Water Commission: Brisbane, QLD. (Accepted for Publication March 2007). ISBN: 978-1-7417-2565-0.

Khan, S. J. (2007) Chapter 12: Urban Reuse & Desalination. In: Water Policy in Australia: The Impact of Change and Uncertainty (Ed, Crase, L.) Resources for the Future Press, Washington, DC. Pages 184-201. ISBN: 978-1-933115-58-0.

*Leusch, F. D. L., Khan, S. J. and *Chapman, H. (2007) Chemical contaminants in water: Can we measure everything? In: Water Reuse and Recycling (Eds, Khan, S. J., Stuetz, R. M. and Anderson, J. M.) UNSW Press, Sydney, NSW., 296-303. ISBN: 978 0 7334 2517 2

*Nghiem, D. L., *Vogel, D. and Khan, S. J. (2007) Effects of organic fouling on the removal of trace organic contaminants by nanofiltration processes. In: Water Reuse & Recycling (Eds, Khan, S. J., Stuetz, R. M. and Anderson, J. M.) UNSW Publishing, Sydney, NSW., 354-362. ISBN: 978 0 7334 2517 2

Khan, S. J., Roser, D. J., Ashbolt, N. J., *Lovell, A. and *Angles, M. (2007) Health risk assessment for recycling for replacement river flows. In: Water Recycling and Reuse (Eds, Khan, S. J., Stuetz, R. M. and Anderson, J. M.) UNSW Publishing, Sydney, NSW., 263-272. ISBN: 978 0 7334 2517 2

Roser, D. J., Khan, S. J., Davies, C., +Signor, R., *Petterson, S. and Ashbolt, N. J. (2007) Operational application of quantitative microbial and chemical risk assessment in the field of water reuse. In: Water Reuse and Recycling (Eds, Khan, S. J., Stuetz, R. M. and Anderson, J. M.) UNSW Publishing, Sydney, NSW., 434-445. ISBN: 978 0 7334 2517 2

Technical Reports

Khan, S. J. and Roser, D. (2007) Risk Assessment and Health Effects Studies of Indirect Potable Reuse Schemes. Final Report prepared for Local Government Association of Queensland (LGAQ), CWWT2007/08, Centre for Water & Waste Technology, University of New South Wales.

Others

Peters GM presentations in popular media:

Edwards H* (2007) Water from thin air is a cool idea. Sun Herald, 7 October.

Duncan C* (2007) Debate with Richard Groeden, Managing Director Island Sky Pty Ltd. ABC Radio Newcastle, 9 October.

Invited keynote presentation:

Peters GM (2007) Where have we come from - where are we - how do we get to somewhere better?

Leadership for Sustainability, Sydney Region Principals' Conference, NSW Department of Education, Brighton-Le-Sands, 21 November

PhD Thesis