

2003 Publications

Books

Gostelow P., Longhurst P.J., Parsons S.A. and Stuetz R.M. (2003) Sampling for Measurement of Odours. IWA Scientific and Technical Report No. 17, IWA Publishing, London.

Book Chapters

Blasdall, S. A., J. E. Ongerth, and N. J. Ashbolt (2003). Differentiation of *Cryptosporidium parvum* subtypes by a novel microsatellite-telomere PCR with PAGE, pp:181-185. In R. C. Thompson, A. Armson, and U. M. Ryan (eds.), *Cryptosporidium: From Molecules to Disease*. Elsevier B. V., Amsterdam.

*Hunter, P. R., *Payment, P., Ashbolt, N. and *Bartram, J. (2003). Chapter 3. Assessment of risk. In: Assessing Microbial Safety of Drinking Water: Improving Approaches and Methods. OECD/WHO guidance document. Ronchi, E. and Bartram, J. (eds.). OECD/WHO, Paris, pp. 79-109. ISBN: 9264099468.

*Köster, W., *Egli, T., Ashbolt, N., *Botzenhart, K., *Burlion, N., *Endo, T., *Grimont, P., *Guillot, E., *Mabilat, C., *Newport, L., *Niemi, M., *Payment, P., *Prescott, A., *Renaud, P. and *Rust, A. (2003). Chapter 8. Analytical methods for microbiological water quality testing. In: Assessing Microbial Safety of Drinking Water: Improving Approaches and Methods. OECD/WHO guidance document. Ronchi, E. and Bartram, J. (eds.). OECD/WHO, Paris, pp. 237-292. ISBN: 9264099468.

Ashbolt, N.J. (2003). Chapter 9: Methods to identify and enumerate frank and opportunistic bacterial pathogens in water and biofilms. In J. Bartram, J. Cotruvo, M. Exner, C. Fricker, and A. Glasmacher (eds.), *Heterotrophic Plate Counts and Drinking-water Safety. The Significance of HPCs for Water Quality and Human Health*. IWA Publishing, London, pp. 146-176. ISBN: 1843390256.

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*Barbosa V.L., *Burgess J.E., *Drake K and Stuetz R.M. (2003). Activated sludge biotreatment of sulphurous wastewater emissions. *Reviews in Environmental Sciences and Biotechnology* 1 (4), 345-362

*Bourgeois W., *Gardey G., *Servieres M. and Stuetz R.M. (2003). A chemical sensor array-based system for protecting wastewater treatment plants. *Sensors and Actuators B* 91, 109-116

*Bourgeois W., *Hogben P., *Pike A. and Stuetz R.M. (2003). Development of a sensor array based measurement system for continuous monitoring of water and wastewater. *Sensors and Actuators B* 88 (3), 312-319

*Bourgeois W., *Romain A.C., *Nicolas J. and Stuetz R.M. (2003). The use of sensor arrays for environmental monitoring – interests and limitations. *Journal of Environmental Monitoring*, 5, 852 – 860. ISSN 1464-0325

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- *Geary, P.M. and Davies, C.M. (2003). Bacterial source tracking and shellfish contamination in a coastal catchment. *Wat. Sci. Technol.* 47 (7-8):95-100. ISSN 0273-1223
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- *Lenzen, M., Lundie, S., *Bransgrove, G., *Charet, L., *Sack, F. (2003) Assessing the ecological footprint of a large metropolitan water supplier - lessons for water management and planning towards sustainability, *Journal of Environmental Planning and Management*, 46(1), 113-141. ISSN 0964-0568
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- *Schaefer, A.I., +Nghiem, L.D. and Waite, T.D. (2003). Removal of the natural hormone estrone from aqueous solutions using nanofiltration and reverse osmosis. *Environ. Sci. Technol.* 37, 182-188. ISSN 0013-936X
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- +Charles, K., Roser, D., Ashbolt, N., *Deere, D. & *McGuinness, R. (2003). Buffer distances for on-site sewage systems in Sydney's drinking water catchments. *Wat. Sci. Technol.* 47 (7-8):183-189. ISSN 0273-1223
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- Davies, C. M., +Kaucner, C., Ashbolt, N. J. and *Deere, D. D. (2003). Recovery and enumeration of *Cryptosporidium parvum* from animal fecal matrices. *Appl. Environ. Microbiol.* 69 (5):2842–2847. ISSN 0099-2240.
- Davies, C.M., *Yousefi, Z. and *Bavor, H.J. (2003). Occurrence of coliphages in urban stormwater and their fate in stormwater management systems. *Letters in Applied Microbiology* 2003, 37, 299-303. ISSN 0723-2020
- Feitz, A.J. and Waite, T.D. (2003) Kinetic modeling of TiO₂-catalyzed photodegradation of trace levels of microcystin-LR, *Environmental Science and Technology*, 37, pp 561-568. ISSN 0013-936X
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Lukondeh, T., Ashbolt, N. J. and Rogers, P. L. (2003). Evaluation of *Kluyveromyces marxianus* as a source of yeast autolysates. *J. Ind. Microbiol. Biotech.* 30 (1):52-56. ISSN 1367-5435

Lukondeh, T., Ashbolt, N. J., Rogers, P. L. 2003. Evaluation of *Kluyveromyces marxianus* FII 510700 grown on a lactose-based medium as a source of a natural bioemulsifier. *Journal of Industrial Microbiology & Biotechnology* 30(2):715-720. ISSN 1367-5435

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Non-refereed Journal Articles

Ashbolt, N. J. (2003). Microbial contamination of drinking water and disease outcomes in developing regions. *Toxicology* 191(1):9-10. ISSN 0300-483X

Ashbolt, N. J. (2003). Risk analysis of drinking water microbial contamination versus disinfection by-products (DBP). *Toxicology* 191(1):10. ISSN 0300-483X

Ashbolt, N. J., *Ambu, S., *Abu Bakar, M., *Ismail, A. & *Heong, Y. Y. (2003). Drinking water risk assessment: Microbiological issues for the Semenyih River catchment, Peninsular Malaysia. *Environmental Health Focus* 1 (1):49-57. ISSN: 1675-3941

Refereed Conference papers

*Cinque, K., M. *Stevens, S. *Haydon, D. Roser, D., Ashbolt, N.J. and Leeming, R. (2003). Tracing and quantifying turbidity and suspended particles in protected catchments. Presented at the Health-Related Water Microbiology IWA Conference, 14-18 September, 2003, Cape Town, IWA Publishing, London, CD-ROM.

*Dean, M., +Beavis, P., Lundie, S. (2003). Comparing Wastewater Systems for a Growing City. On Site '03 Future directions for on-site systems: Best management practice, University of New England, Armidale 19-21 August 2003.

*Långmark, J., *Storey, M. V., Ashbolt, N. J. and *Stenström, T. A. (2003). The pilot- and field-scale facilities for investigations of biofilms within an urban water distribution system. In: Proceedings of the 5th IWA Conference on Biofilm Systems, 14-18 September 2003 – Cape Town. IWA Publishing, London, CD-ROM.

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+Hirota, K., Prasad, D and Chattopadhyay, G. (2003). Post-disaster public housing in Abuta, Japan and indoor air quality - VOC emissions from building materials November 2003. Passive and low energy architecture - 20th International conference, (PLEA2003), Santiago, Chile.

+Joo, S.H., Feitz, A.J. and Waite, T.D. (2003). Nanoscale zero-valent iron degradation of molinate and the role of the hydrogen peroxide intermediate, Environmental Engineering Research Event 2003, Melbourne.

Ashbolt, N. J. and Roser, D. (2003). Interpretation and management implications of event and baseflow pathogen data. Presented at the Watershed Management for Water Supply Systems, New York City, New York June 30 - July 2, 2003, American Water Resources Association, CD-ROM.

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Stuetz R.M., Burgess J.A. and Stephenson T. (2003) Non-invasive monitoring of wastewater nitrification failure. Proceeding AWA 20th Convention, Ozwater, Perth, CD-Rom 8pp.

Wang, X (2003). Effect of backpressure on absorption efficiency of impingers used for air sampling. 2nd IWA International Conference on Odours and VOCs Measurement, Regulation and Control Techniques. Singapore, September 15-17, 2003.

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*Blasdall, S., *Ongerth, J.E. and Ashbolt, N.J. (2003). Differentiation of *Cryptosporidium parvum* subtypes by a Microsatellite-Telomere PCR with PAGE, AWWA WQTC Water Quality Technology Conference & Exposition, November 2-6, Philadelphia, PA., USA.

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