

# Publications for 2014

## Books

Stanford, B. D, Wright, B, Routt, J. C., Debroux, J. F., & Khan, S. J. (2014). *Water Quality Impacts of Extreme Weather-Related Events*: Water Research Foundation.

## Book Chapters

Hai, F. I., Nghiem, L. D., Khan, S. J., Price, W. E., & Yamamoto, H. Wastewater reuse: removal of emerging trace organic contaminants (TrOCs). In F. I. Hai, K. Yamamoto & C. H. Lee (Eds.), *Membrane Biological Reactors: Theory, Modelling, Design, Management and Applications to Wastewater Reuse*. (pp. 165-205). London: IWA Publishing.

Khan, S. J. Biologically mediated chiral inversion of emerging contaminants. In D. A. Lambropoulou & L. M. L. Nollet (Eds.), *Transformation Products of Emerging Contaminants in the Environment: Analysis, Processes, Occurrence, Effects and Risks* (pp. 261-280). Sussex, UK: John Wiley & Sons, Ltd.

Murphy, K. R., Bro, R., & Stedmon, C. M. Chemometric Analysis of Organic Matter Fluorescence. In A. Baker, P. Coble, J. Lead, D. Reynolds & R. G. M. Spencer (Eds.), *Aquatic Organic Matter Fluorescence* (pp. 339). New York: Cambridge University Press.

Trinh, T., Branch, A., Van den Akker, B., Le-Clech, P., Drewes, J. E., & Khan, S. J. Impacts of hazardous events on performance of membrane bioreactors. In F. I. Hai, K. Yamamoto & C. H. Lee (Eds.), *Membrane Biological Reactors: Theory, Modelling, Design, Management and Applications to Wastewater Reuse*. (pp. 207-221). London: IWA Publishing.

Witherspoon, J. R., Short, M. D., Simmonds, K., van den Akker, B., Madon, E., & Stuetz, R. Air emissions. In D. Jenkins & J. Wanner (Eds.), *Activated Sludge – 100 Years and Counting* (pp. 155-169). London: IWA Publishing.

Zamyadi, A. Emerging Toxic Cyanobacterial Issues in Freshwater Sources: Influence of Climate Change. In L. M. B. Luis M. Botana (Ed.), *Seafood and Freshwater Toxins, Pharmacology, Physiology, and Detection* (Vol. 3rd, pp. 105-120): CRC Press Taylor & Francis Group.

## Journal Articles

Ajami, H., Evans, J. P., McCabe, M. F., & Stisen, S. Technical Note: Reducing the spin-up time of integrated surface water–groundwater models. *Hydrology and Earth System Sciences*, 18(12), 5169-5179. doi: 10.5194/hess-18-5169-2014.

Ajami, H., McCabe, M. F., Evans, J. P., & Stisen, S. Assessing the impact of model spin-up on surface water-groundwater interactions using an integrated hydrologic model. *Water Resources Research*, 50(3), 2636-2656. doi: 10.1002/2013WR014258.

Alvarez-Gaitan, J. P., Short, M. D., Peters, G. M., MacGill, I., & Moore, S. Consequential cradle-to-gate carbon footprint of water treatment chemicals using simple and complex marginal technologies for electricity supply. *The International Journal of Life Cycle Assessment*, 19(12),

1974-1984. doi: 10.1007/s11367-014-0799-x.

Banner, M. L., Barthelemy, X., Fedele, F., Allis, M., Benetazzo, A., Dias, F., & Peirson, W. L. Linking Reduced Breaking Crest Speeds to Unsteady Nonlinear Water Wave Group Behaviour. *Physical Review Letters*, 112(11). doi: 10.1103/PhysRevLett.112.114502.

Barnes, R., Ashbolt, N., Roser, D., & Brown, P. Implementing sustainable water and sanitation projects in rural, developing communities. *Waterlines*, 33(1), 71-88. doi: 10.3362/1756-3488.2014.008.

Bellon-Maurel, V., Short, M. D., Roux, P., Schulz, M., & Peters, G. M. Streamlining life cycle inventory data generation in agriculture using traceability data and information and communication technologies – part I: concepts and technical basis. *Journal of Cleaner Production*, 69(C), 60-66. doi: 10.1016/j.jclepro.2014.01.079.

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Chenoweth, J., Hadjikakou, M., & Zoumides, C. Review article: Quantifying the human impact on water resources: a critical review of the water footprint concept. *Hydrology and Earth System Sciences Discussions*, 10(7), 9389-9433. doi: 10.5194/hessd-10-9389.

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