

## SAFE AND SUSTAINABLE WATER RESOURCES RESEARCH PROGRAM



### 2016 BOSC Review of Water Systems

## Recent Publications

### Book Chapters

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- Antoniou, M., A. Delacruz, M.A. Pelaez, C. Han, X. He, D. Dionysiou, W. Song, K. O'Shea, L. Ho, G. Newcombe, M.B. Dixon, M.R. Teixeira, T.M. Triantis, A. Hiskia, T. Kaloudis, R. Balasubramanian, S. Pavagadhi, and V.K. Sharma. [Practices that Prevent the Formation of Cyanobacterial Blooms in Water Resources and remove Cyanotoxins during Physical Treatment of Drinking Water](#). Chapter 2.9, *Earth Systems and Environmental Sciences*, Vol. 2: Assuring Purity of Drinking Water. ELSEVIER, AMSTERDAM, HOLLAND, 2(2014): 173-195, (2014).
- Korajkic, A., and V. Harwood. [Water Supplies: Microbiological Analysis](#). Encyclopedia of Food Health. Elsevier Ltd, Oxford, UK, 458-462, (2016).

### Journal Articles

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- Li, N., N. Neumann, N. Ruecker, K. Alderisio, G. Sturbaum, E. Villegas, R. Chalmers, P. Monis, Y. Feng, and L. Xiao. [Development and evaluation of three real-time PCR assays for genotyping and source tracking \*Cryptosporidium\* spp. in water](#). APPLIED AND ENVIRONMENTAL MICROBIOLOGY. American Society for Microbiology, Washington, DC, USA, 81(17): 5845-5854, (2015).
- Augustine, S., K. Simmons, T. Eason, S. Griffin, C. Curioso, L. Wymer, S. Fout, A. Grimm, K. Oshima, and A. Dufour. [Statistical approaches to developing a multiplex immunoassay for determining human exposure to environmental pathogens](#). JOURNAL OF IMMUNOLOGICAL METHODS, 425(10): 1-9, (2015).
- McMinn, B., and A. Korajkic. [A small volume procedure for viral concentration from water](#). Journal of Visualized Experiments, 96(1): e51744, (2015).
- Fout, S., J. Cashdollar, E. Varughese, S. Parshionikar, and A. Grimm. [EPA Method 1615. Measurement of Enterovirus and Norovirus Occurrence in Water by Culture and RT-qPCR. I. Collection of Virus Samples](#). Journal of Visualized Experiments, 97: e52067, (2015).
- Fout, S., J. Cashdollar, S. Griffin, N. Brinkman, E. Varughese, and S. Parshionikar. [EPA Method 1615. Measurement of Enterovirus and Norovirus Occurrence in Water by Culture and RT-qPCR. Part III. Virus Detection by RT-qPCR](#). Journal of Visualized Experiments, 107: e52646, (2016).
- Landis, M., A. Kamal, K. Kovalcik, C. Croghan, G. Norris, and A. Bergdale. [The Impact of Commercially Treated Oil and Gas Produced Water Discharges on Bromide Concentrations and Modeled Brominated Trihalomethane Disinfection Byproducts at two Downstream Municipal Drinking Water Plants in the Upper Allegheny River, Pennsylvania, USA](#). SCIENCE OF THE TOTAL ENVIRONMENT, 542(2016): 505-520, (2016).

- Falkinham, J., E. Hilborn, M. Arduino, A. Pruden, and M. Edwards. [Epidemiology and Ecology of Opportunistic Premise Plumbing Pathogens: \*Legionella pneumophila\*, \*Mycobacterium avium\*, and \*Pseudomonas aeruginosa\*](#). *ENVIRONMENTAL HEALTH PERSPECTIVES*, 123(8): 749-58, (2015).
- Keely, S., N. Brinkman, B. Zimmerman, D. Wendell, K. Ekeren, S. De Long, S. Sharvelle, and J. Garland. [Characterization of the relative importance of human- and infrastructure-associated bacteria in grey water: a case study](#). *JOURNAL OF APPLIED MICROBIOLOGY*, 119(1): 289-301, (2015).
- Lee, W.H., D. Wahman, and J. Pressman. [Monochloramine sensitive amperometric microsensor: optimization of gold, platinum, and carbon fiber sensing materials for removal of dissolved oxygen interference](#), 21(9): 2663-2674, (2015).
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## Reports

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