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## Educational Background

- **Ph.D., University of Florida**, Microbiology and Cell Science, Gainesville, FL 1996-1998
- **M.S., University of Florida**, Gainesville, FL 1993-1996
- **B.S., High Honors, University of Florida**, Gainesville, FL 1990-1993

## Professional and Research Experience

- **President; BCS Laboratories, Inc** Gainesville, FL 2000-present
- **Rresearch Assistant; Department of Microbiology and Cell Science** University of Florida, Gainesville FL 2000-2006
- **President; Water Examination Technologies, Inc.** Gainesville FL 1999-2002
- **Post Doctoral Research Fellowship;** Water and Food Safety Laboratory, University of Florida 1998-2000
- **Adjunct Professor;** Department of Microbiology and Cell Science University of Florida, Gainesville FL 1999-2001

## Recent Publications

- Bonilla, J. A., T. D. Bonilla, A. Abdelsaher, T. M. Scott, **J. Lukasik**, H. M. Solo-Gabriele, C. J. Palmer. Comparison of molecular methods with immunomagnetic separation/immunoflourescence (IMS/IFA) and plaque assay for the simultaneous recovery of Giardia, Cryptosporidium and poliovirus. Water Res. In Review.
- S. M. McQuaig, T. M. Scott, **J. Lukasik**, J. H. Paul, and V. J. Harwood. 2008. Quantification of human polyomaviruses JCV and BKV by Taqman® quantitative PCR and comparison to other water quality indicators in water and fecal samples. Appl. Environ. Microbiol. In Press.
- Levine AD, Harwood VJ, Farrah SR, Scott TM, Rose JB. Pathogen and indicator organism reduction through secondary effluent filtration: implications for reclaimed water production. Water Environ Res. 2008 Jul;80(7):596-608.
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- Mathes, M. V., T. L. O'Brian, K. M. Strickler, J. J. Hardy, W. B. Schill, **J. Lukasik**, T. M. Scott, D. E. Bailey, and T. W. Fenger. 2007. Presumptive Sources of Fecal Contamination in Four Tributaries to the New River Gorge National River, West Virginia, 2004. U.S. Department of the Interior. U.S. Geological Survey. Open-File Report 2007-1107.
- McQuaig, S.M., T. M. Scott, V. J. Harwood, S. R. Farrah, and **J. Lukasik** . 2007. A Novel Method for the Detection of Human Derived Fecal Pollution in Environmental Waters Using a PCR Based Human Polyomavirus Assay. Appl. Environ. Microbiol. AEM.01317-06v1
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- Parveen, S., Lukasik, J., Scott, T. M., Tamplin, M. L., Portier, K. M., Sheperd, S., Braun, K., Farrah, S.R. Geographical variation in antibiotic resistance profiles of Escherichia coli isolated from swine, poultry, beef and dairy cattle farm retention ponds in Florida. J. Appl. Microbiol. 2006;100(1):50-7
- Harwood, V. J., A. D. Levine, T. M. Scott, V. Chivukula, **J. Lukasik**, S.R. Farrah and J.B. Rose. 2005. Validity of the indicator organism paradigm:pathogen reduction and public health protection in reclaimed water. Appl. Environ. Microbiol. 71(6):2102.
- Moore, D. F., V. J. Harwood, D. M. Ferguson, **J. Lukasik**, P. Hannah, M. Getrich1 and M. Brownell. 2005. Evaluation of antibiotic resistance analysis and ribotyping for identification of fecal pollution sources in an urban watershed. J. Appl. Microbiol. 99(3):618
- Scott, T.M., T.M. Jenkins, **J. Lukasik**, and J.B. Rose. 2004. Potential use of a host-associated molecular marker in *Enterococcus faecium* as an index of human fecal pollution. Environ. Sci. Tech. (In Press; Published online 11/19/04).
- Scott, T.M., M.R. McLaughlin, V.J. Harwood, V. Chivukula, A.D. Levine, A. Gennaccaro, **J. Lukasik**, S.R. Farrah, and J.B. Rose. 2003. Reduction of pathogens, indicator bacteria, and alternative indicators by wastewater treatment and reclamation processes. Wat. Sci. Tech: Wat. Supply. 3: 247-252.
- Stoeckel, D.M., Mathes, M.V., Hyer, K.E., Hagedorn, C., Kator, H., **Lukasik, J.**, O'Brien, T., Fenger, T.W., Samadpour, M., Strickler, K.M., and Wiggins, B.A., 2004, Comparison of seven protocols to identify fecal contamination sources using Escherichia coli: Environmental Science and Technology, v. 38, no. 22, p. 6109-6117.
- Farrah, S.R. and **J. Lukasik**. 2004. Viruses.; in Principles and Applications of Soil Microbiology. 2<sup>nd</sup> edition. David M. Sylvia et al. Pearson Education Ltd., Upper Saddle River, N.J.
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- Scott, T.M., M.R. McLaughlin, V.J. Harwood, V. Chivukula, A.D. Levine, A. Gennaccaro, **J. Lukasik**, S.R. Farrah, and J.B. Rose. 2003. Reduction of pathogens, indicator bacteria, and alternative indicators by wastewater treatment and reclamation processes. *Wat. Sci. Tech: Wat. Supply.* 3: 247-252.
- **Lukasik, J.**, M.L. Bradley, T.M. Scott, M. Dea, A. Koo, W.H. Hsu, J. Bartz, S.R. Farrah, and M.L. Tamplin. 2003. The reduction of poliovirus 1, bacteriophage, *Salmonella* Montevideo, and *Escherichia coli* O157:H7 on strawberries by physical and disinfectant washes. *J. Food Prot.* 66: 188-193.
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