

## **ASJA KORAJKIC**

NERL Post-Doctoral Fellow, Microbiologist

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### Education

Ph.D. Environmental and Ecological Microbiology, University of South Florida, 2010

B.S. Biology (concentration Microbiology), University of South Florida, 2004

### Employment

2011 – Present Post-Doctoral Researcher, Biohazard Assessment Research Branch,  
Microbiological and Chemical Exposure Assessment Research Division,  
NERL, ORD, US EPA, Cincinnati, OH

2010 - 2011 Instructor, Department of Cellular, Molecular and Microbiology,  
University of South Florida, Tampa, FL

2005 - 2010 Graduate Research and Teaching Assistant, Department of  
Integrative Biology, University of South Florida, Tampa, FL

### Research Interests/Skills

Identification of pollution sources in impacted watersheds; the effect of biotic (e.g. predation, competition) and abiotic (e.g. sedimentation, sunlight exposure) environmental factors on the fate of indicator organisms, microbial source tracking markers and pathogens in secondary habitats (environmental waters and sediments).

### Select Appointments/Honors/Awards

Ad-Hoc Reviewer for: Journal of Applied Microbiology, Letters in Applied Microbiology, California Sea Grant College Program

### Select Publications/Presentations/EPA Reports

Korajkic, A., Harwood, V.J. “Factors influencing *Escherichia coli* survival in aquatic habitats” presented at 111<sup>th</sup> General ASM meeting, New Orleans, LA (05/2011)

Korajkic, A., Brownell, M.J., Harwood, V.J. (2011) Microbial Source Tracking of Human Pollution and Pathogen Analysis at Florida Gulf Coast Beaches. *Journal of Applied Microbiology* **110**(1), 174-183

Korajkic, A., Badgley, B., Brownell, M.J., Harwood, V.J. (2009) Application of microbial source tracking methods in a Gulf of Mexico field setting. *Journal of Applied Microbiology* **107**(5), 1518-1527

Korajkic, A., Harwood, V.J. “Pathogen Analysis and Microbial Source Tracking at Tampa Bay Beaches” presented at 109<sup>th</sup> General ASM meeting, Philadelphia, PA (05/2009)

Korajkic, A., Badgley, B., Lazarevitch, P., Harwood, V.J. “Application of Library-Independent Microbial Source Tracking in a Gulf of Mexico Field Setting” presented at 108<sup>th</sup> General ASM meeting, Boston, MA (06/2008)

Korajkic, A., Nyquist-Battie, C., Harwood, V.J. “Survival of the fittest: proliferation of *Escherichia coli* strains in the secondary habitats” presented at 107<sup>th</sup> General ASM meeting, Toronto, Canada (05/2007)

Korajkic, A., Wapnick, C.M., Harwood, V.J. “Application of Microbial Source Tracking (MST) Methods in Tributary Pollution Assessment” presented at 9<sup>th</sup> Biennial Conference on Stormwater Research and Watershed Management, Orlando, FL (05/2007)

Wapnick, C.M., Korajkic, A., Harwood, V.J. Application of Microbial Source Tracking (MST) Methods in Assessment of the Sources of Fecal Pollution in Tributaries (proceedings paper from 9<sup>th</sup> Biennial Conference on Stormwater Research and Watershed Management, Orlando, FL May 2-3, 2007). Published online:  
<http://www.stormwater.ucf.edu/conferences/9thstormwaterCD/documents/ApplicationsandDevelopment.pdf>

Wapnick, C.M., Korajkic, A., Harwood, V.J., Deis, D.R. “Microbial source tracking of fecal indicator bacteria” presented at 2006 Annual meeting of American Water Resources Association (AWRA), Baltimore, MD (11/2006)

Korajkic, A., Brownell, M.J., Harwood, V.J. “Library-based and Nonlibrary-based Methods of Microbial Source Tracking to Determine Pollution Sources in a Rural Florida County” presented at 106<sup>th</sup> General ASM meeting, Orlando, FL (05/2006)