

## RF BOND

### Publications

#### Journal Articles

Chase, J. A., E. R. Atwill, M. L. Partyka, **R. F. Bond**, and D. Oryang. 2017. Inactivation of *E. coli* O157:H7 in a fecal slurry matrix when inoculated onto romaine lettuce grown in the Salinas Valley, CA. *J Food Prot*, *in press*.

Partyka, M. L., **R. F. Bond**, J. A. Chase, and E. R. Atwill. 2017. [Monitoring bacterial indicators of water quality in a tidally influenced delta: A Sisyphean pursuit](https://doi.org/10.1016/j.scitotenv.2016.10.179). *Science of The Total Environment* 578: 346-356. doi:<http://dx.doi.org/10.1016/j.scitotenv.2016.10.179>.

Partyka, M.L., **R.F. Bond**, J.A. Chase, L. Kiger and E.R. Atwill. 2016. [Multistate Evaluation of Microbial Water and Sediment Quality from Agricultural Recovery Basins](https://doi.org/10.2134/jeq2015.06.0323). *Journal of Environmental Quality* 45: p. 657-665. doi:10.2134/jeq2015.06.0323.

Atwill, E. R., J. A. Chase, D. Oryang, **R. F. Bond**, S. T. Koike, M. D. Cahn, M. Anderson, A. Mokhtari, and S. Dennis. [Transfer of Escherichia coli O157:H7 from Simulated Wildlife Scat onto Romaine Lettuce during Foliar Irrigation](https://doi.org/10.4315/0362-028X.JFP-14-277). *Journal of food Protection* 78: 240-247. doi:10.4315/0362-028X.JFP-14-277.

Li, X., E. R. Atwill, E. Antaki, O. Applegate, B. Bergamaschi, **R. F. Bond**, J. Chase, K. M. Ransom, W. Samuels, N. Watanabe, and T. Harter. 2015. [Fecal Indicator and Pathogenic Bacteria and Their Antibiotic Resistance in Alluvial Groundwater of an Irrigated Agricultural Region with Dairies](https://doi.org/10.2134/jeq2014.1435-1447). *Journal of Environmental Quality* 44:1435-1447.

Partyka, M.L., **R.F. Bond**, J. Farrar, A. Falco, B. Cassens, A. Cruse, E.R. Atwill 2014. Quantifying the Sensitivity of Scent Detection Dogs to Identify Fecal Contamination on Raw Produce. *Journal of Food Protection* 77: 6-14. doi:10.4315/0362-028X.JFP-13-249.

Lewis, D.J., E.R. Atwill, M.d.G.C. Pereira and **R.F. Bond**. 2012. [Spatial and Temporal Dynamics of Fecal coliform and Escherichia coli Associated with Suspended Solids and Water within Five Northern California Estuaries](https://doi.org/10.2134/jeq2011.0479). *Journal of Environmental Quality* 42: 229-238. doi:10.2134/jeq2011.0479.

#### Reports and Media

**Bond, R. F.**, M. L. Partyka, and J. A. Chase. 2016. [Water Sampling 101](#). Good Fruit Grower Magazine. July 13<sup>th</sup> 2016. Article by Shannon Dininny-Good Fruit Grower.

Partyka, M.L., **R. F. Bond**, and I. Hanrahan. 2016. [Water Sampling Done Simply](#). Washington State University Tree Fruit Extension. Washington State University/Washington State Tree Fruit Research Commission/Western Center for Food Safety.

Partyka, M. L., **R. F. Bond**, and E. R. Atwill. 2016. [Grazing management practice implementation and assessment in one or more targeted watersheds in the Lahontan Region, or "Rivers and Ranches"](#) Final Report prepared for the Lahontan Regional Water Quality Control Board, Agreement Number (BSTP-UCD-11-01).

Li, X., E. R. Atwill and **R. F. Bond**. 2015. [Developing and validating methods for accurately measuring the shedding of \*Escherichia coli\* O157:H7 by rangeland cattle and assessing water quality](#). Final Report: Russell L. Rustici Rangeland and Cattle Research Endowment, CAES, UC Davis. March 31<sup>st</sup>.

**Bond, R. F.**, M. L. Partyka, and E. R. Atwill. 2010. [Source identification, optimized monitoring, and local outreach for reducing animal agricultural inputs of pathogens into the Sacramento-San Joaquin Delta Estuary](#). State Water Resources Control Board, Sacramento-San Joaquin Delta. [http://www.vetmed.ucdavis.edu/atwill/local-assets/pdfs/DeltaFinalReport\\_2.9.4\\_04-122-555-0.pdf](http://www.vetmed.ucdavis.edu/atwill/local-assets/pdfs/DeltaFinalReport_2.9.4_04-122-555-0.pdf)

## Books

Atwill, E. R., M. L. Partyka, **R. F. Bond**, X. Li, C. Xiao, B. Karle, and L. Kiger. 2012. An introduction to waterborne pathogens in agricultural watersheds. 2nd edition. Nutrient Management Technical Note No. 9. National Resource Conservation Service, United States Department of Agriculture. [https://efotg.sc.egov.usda.gov/references/public/NJ/NMTN\\_9\\_Waterborne\\_Pathogens.pdf](https://efotg.sc.egov.usda.gov/references/public/NJ/NMTN_9_Waterborne_Pathogens.pdf)

## Conference Presentations

Partyka, M.L. and **R. F. Bond**. 2016. Agricultural Water Testing under FSMA-Where to Start: Washington State Tree Fruit Association Annual Meeting, Wenatchee, WA. December 5<sup>th</sup>-8<sup>th</sup>.

Partyka, M.L. and **R. F. Bond**. 2016. Agricultural Water Testing under FSMA: Getting There from Here. Washington State University Extension 36th Annual Food Safety and Sanitation, Portland, OR. November 8<sup>th</sup>-9<sup>th</sup>.

E.R. Atwill, M. L. Partyka and **R. F. Bond**. 2015. Challenges and Opportunities for Implementing FSMA's Irrigation Water Quality Regulations Washington State Water Resources Association 2015 Annual Conference and Membership Meeting. Spokane, Washington. December 4<sup>th</sup>.

Partyka, M. L., **R. F. Bond**, J. A. Chase, and E. R. Atwill. [Clamming for bacteria: impacts of human disturbance on sediment microbial quality in two California bays](#). 23<sup>rd</sup> Biennial Coastal and Estuarine Research Federation Conference. Portland, OR. November 8<sup>th</sup>-12<sup>th</sup>.

**Bond, R. F.**, M. L. Partyka, and E. R. Atwill. 2010. [The occurrence of indicator bacteria and waterborne zoonotic pathogens in the California Delta](#). 6th Biennial Bay-Delta Science Conference, Sacramento, CA. September 27<sup>th</sup>-29<sup>th</sup>.

## Posters Presentations

M.L Partyka, **Bond, R.F.**, and E.R. Atwill. 2012. [Salmonella in the Delta: Implications for Human Health, Ecosystem Services, and Resource Management](#). 2012 Bay-Delta Science Conference. Sacramento, CA., October 16-18<sup>th</sup>.

**R.F. Bond**, M. L. Partyka, P. Aminabadi, C. M. Rock, K. D. Nolte, E. R. Atwill and M. Jay-Russell. 2014. [Evaluation of indicator \*Escherichia coli\*, fecal coliforms, \*E. coli\* O157 and salmonella spp. in surface waters of the southwest desert canal network](#). Journal of Food Protection Abstracts. Supplement A, Vol 77. IAFP Annual Meeting, Indianapolis, IN., August 3-6<sup>th</sup>. ISSN: 0362-028X.

Lewis, D.J., E.R. Atwill, M.D.G. Pereira, **R.F. Bond**, M. Huerta. 2008. Estuary sediment and suspended solids bacteria: implications for microbial pollution sources and monitoring. 2008 USDA-CSREES National Water Conference. Sparks, NV. February 3-7.

## **Workshops**

May 17<sup>th</sup>-19<sup>th</sup>, 2016, Washington State Tree Fruit Association, FSMA Water Sampling Workshops, Wenatchee, Yakima, and Salish, WA.

February 1<sup>st</sup>-2<sup>nd</sup>, 2016, Western Institute for Food Safety and Security, 2<sup>nd</sup> Annual NAU-UC Davis Graduate Education Conference on One Health. Monterey, CA.

August 2013, U.S. Food and Drug Administration, Emergency Response Course 321. Visalia, CA.

June 2013, U.S. Food and Drug Administration, Emergency Response Course 321. Monterey, CA.

March 2013, U.S. Food and Drug Administration, Emergency Response Course 321. Tampa, FL.

January 2013, U.S. Food and Drug Administration, Emergency Response Course 321. Homestead, FL.