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Education

Texas A&M University, College Station, TX, USA, PhD in Soil Science, Dec 2010

Tarleton State University, Stephenville, TX, USA, MS in Soil Science, Aug 2006

University of Agricultural Sciences, Bangalore, India, BS and MS in Soil Chemistry, 2002

Professional Experience

Post-doctoral Research Associate, April 2012-to date, Biosciences Division, Oak Ridge National Laboratory, Oak Ridge, TN.

Post-doctoral Research Associate, Dec 2010-March 2012, Department of Soil and Crop Sciences, Texas A&M University.

Graduate Research Assistant, June 2007 – Nov 2010, Department of Soil and Crop Sciences, Texas A&M University.

Graduate Teaching Assistant, Aug 2006 – May 2007, Department of Soil and Crop Sciences, Texas A&M University

Graduate Research Assistant, Jan 2005 – July 2006, Department of Agricultural and Environmental Sciences, Tarleton State University

Senior Research Fellow, Aug 2002 – Dec 2004, Indian Institute of Agricultural Research, Bangalore, India

Publications in peer reviewed journals

1. Somenahally, A., E.B. Hollister, W. Yan, T. Gentry and R. Loeppert. 2011. Water management impacts on arsenic speciation and iron-reducing bacteria in contrasting rice-rhizosphere compartments. ***Environmental Science and Technology***, 45, 8328-8335.
2. Somenahally, A., E.B. Hollister, R. Loeppert, W. Yan and T. Gentry. 2011. Microbial communities in rice rhizosphere altered by intermittent and continuous flooding in fields with long-term arsenic application. ***Soil Biology and Biochemistry***. 43(6): 1220-1228.

3. Somenahally, A., D. Weindorf, L. Darilek, J.P. Muir, R. Wittie and C. Morgan. 2009. Spatial variability of soil test phosphorus in compost-amended soil on three dairies in North Central Texas. ***Journal of Soil and Water Conservation***. 64(2):89-97
4. Autumn S. Wang, Ping Hu, Emily B. Hollister, Katie L. Rothlisberger, Anil Somenahally, Tony L. Provin, Frank M. Hons, and Terry J. Gentry. 2011. Impact of Indian mustard (*Brassica juncea*) and flax (*Linum usitatissimum*) seed meal applications on soil carbon, nitrogen, and microbial dynamics. ***Applied and Environmental Soil Science***, doi:10.1155/2012/351609.

Scientific conference presentations

1. Anil Somenahally, James Moberly, Richard Hurt, Mircea Podar, Steven D Brown and Dwayne Elias. 2013. Microbial community response to carbon substrates amendment in mercury impacted sediments: Implications on microbial methylation of mercury. *American Society for Microbiology.* General Meetings. Philadelphia, PA. May 17-21, 2013.

2. Somenahally, A, L. Moncayo and T. Gentry. 2011. Isothiocyanates persistence and impacts on pathogenic fungi and microbial nitrogen cycle in soils amended with biofuel extracted byproducts of Indian mustard (*Brassica juncea*). *ASA-CSA-SSSA National Meetings,* San Antonio, TX, OCT 16- 19 2011.

3. Hu, P., Somenahally, A., Hons, F.M. and Gentry, T.G. 2011. Metagenomic-based analysis of fungal and bacterial communities in isothiocyanate-amended soil. 3rd Annual Argonne Soil Metagenomics Workshop, October 5-7, 2011, Chicago, IL

4. Somenahally, A. R. Loeppert, W. Yan and T. Gentry. 2009. Response of bacterial communities and metal reducers in wetland rice rhizosphere to redox changes and arsenic contamination. *ASA-CSA-SSSA National Meetings*, Pittsburgh, PA. Nov 1- 5, 2009.

5. Somenahally, A. R. Loeppert, W. Yan and T. Gentry. 2009. Microbial dynamics and arsenic speciation in rice paddy soils under two water management practices. *American Society for Microbiology. General Meetings*. Philadelphia, PA. May 17-21, 2009

6. Somenahally,A., R. Loeppert, W. Yan and T. Gentry. 2007. Microbial community analysis in monosodium methane-arsonate amended rice soils. *ASA-CSA-SSSA National Meetings*. New Orleans, LA. Nov 4-8