

## RESEARCH PROFILE



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**Title:** Assistant Professor of Environmental Chemistry (tenure-track)  
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### PROFESSIONAL EDUCATION:

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- Post-doc., Environmental Chemistry, Cornell University, Ithaca, NY (2000-2004)
- Ph.D., Environmental Science (Chemistry), Zhejiang University, Hangzhou, China. (1995 to 2000)
- MS, Environmental Chemistry, Zhejiang University, Hangzhou, China (1994)
- BS, Chemistry, Zhejiang University, Hangzhou, China (1991)

### RESEARCH INTEREST AREA(S)

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- Physical fate and biological impact of organic contaminants in the environment;
- Indoor environmental quality;
- Occurrence of new organic contaminants in the environment;
- Pesticide contamination and remediation;
- Sustainability and restoration of modern agriculture.

### ACTIVE GRANTS & FUNDING

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- USDA-NIFA-CBGP research grant (2010-2013)
- NSF Delaware EPSCoR RII-2 grant (participating) (2009-2011)

### PROFESSIONAL AFFILIATIONS

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Associate member, American Chemical Society, 2002-present

### HONORS & AWARDS RECEIVED (LAST FIVE YEARS)

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- Young Scientist Recognition Award, Division of Agrochemicals, American Chemical Society, 2002.
- Award of One Hundred Excellent PhD Dissertations in China in 2000, Ministry of Education, China, 2002.

### SELECTED PUBLICATIONS (LAST THREE YEARS)

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Yuan, S.-J.; Wang, Q.-Q.; Yates, S.R.; Peterson, N.G. Development of an efficient extraction method for oxytetracycline in animal manure for high performance liquid chromatography analysis. *J. Environ. Sci. Health B* 2010, in press.

Xuan, R.-C.; Arisi, L.; Wang, Q.-Q.; Yates, S.R.; Biswas, K.C. Hydrolytic and photolytic degradation of oxytetracycline. *J. Environ. Sci. Health B* 2010, 45, 1-9.

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Yates, S.R.; Knuteson, J.; Ernst, F.F.; Zheng, W.; Wang, Q.-Q. Measuring Field-scale Emissions of 1,3-D with Sequential Surface Irrigations. *Environ. Sci. Technol.* 2008, 42, 8753-8758.

Xuan, R.-C.; Blassengale, A.A.; Wang, Q.-Q. Degradation of estrogenic hormones in a silt loam soil. *J. Agric. Food Chem.* 2008, 56, 9152-9158.

Bradford, S.A.; Segal, E.; Zheng, W.; Wang, Q.-Q.; Hutchins, S.R. Reuse of concentrated animal feeding operation wastewater on agricultural lands. *J. Environ. Qual.* 2008, 37, S97-S115.

Wang, Q.-Q.; Yates, S.R. Laboratory study of oxytetracycline degradation kinetics in animal manure and soil. *J. Agric. Food Chem.* 2008, 56: 1683-1688.

Wang, Q.-Q.; Zheng, W.; Bradford, S.A.; Yates, S.R. Sulfadimethoxine degradation kinetics in manure as affected by initial concentration, moisture, and temperature. *J. Environ. Qual.* 2006, 35, 2162-2169.

Wang, Q.-Q.; Guo, M.-X.; Yates, S.R. Degradation kinetics of manure-derived sulfadimethoxine in amended soil. *J. Agric. Food Chem.* 2006, 54, 157-163.

Wang, Q.-Q.; Lemley, A.T. Reduced adsorption of ametryn in clay, humic acid, and soil by interaction with ferric ion under Fenton treatment conditions. *J. Environ. Sci. Health B.* 2006, 41, 223-236.

Zheng, W.; Yates, S.R.; Papiernik, S.K.; Wang, Q.-Q. Reducing 1,3-dichloropropene emission from soil columns amended with thiourea. *Environ. Sci. Technol.* 2006, 40, 2402-2407.

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