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**Education**  
Ph.D. Environmental Engineering, Michigan Technological University  
M.S. Environmental Engineering, Tsinghua University  
B.S. Environmental Engineering, North-West Institute of Architecture Engineering

**Areas of Interest:**Green engineering, sustainability, life cycle assessment, water-energy nexus, coupled nature-human system modeling, environmental fate and transport modeling, water supply and treatment, engineering education.

**Biosketch**  
Qiong Zhang is an assistant professor in the Department of Civil and Environmental Engineering at the University of South Florida (USF). She worked for the Sustainable Futures Institute at Michigan Tech as the operation manager before she joined USF. She has several sponsored research projects include embodied energy modeling, life cycle assessment of bio-energy systems, and sustainability engineering education. She is has contributed chapter for 2 books including *Environmental Engineering: Fundamentals, Sustainability, Design (*John Wiley & Sons, 2010) and *Renewable Energy from Forest Resources in the United States* (Routledge 2009) and published her work in various peer reviewed journals.

**Selected Publications**

* Meng, Y., Q. Zhang, D.W. Hand, R. Taylor, “Modeling of Adsorption and Regeneration of Volatile Organic Compounds on Activated Carbon Fiber Cloth,” *J. of Environmental Engineering*, 135(12): 1371-1379, 2009.
* Zhang, Q., J.C. Crittenden, K. D. Hristovski, D.W. Hand, P. K. Westerhoff. "User-Oriented Batch Reactor Solutions to the Homogeneous Surface Diffusion Model for Different Activated Carbon Dosages,” *Water Research*, 43(7): 1859-1866, 2009.
* Wright, H., Q. Zhang, J.R. Mihelcic, “Integrating Economic Input-Output Life Cycle Assessment with Risk Assessment for a Screening-Level Analysis,” *International Journal of Life Cycle Assessment*, 13(5): 412-420, 2008.
* Zhang, Q., Crittenden, J.C., Shonnard, D.R., Mihelcic, J.R. “Development of an Environmental Multimedia Fate Model for the Great Lakes Region,” *Chemosphere*, 50, 1377-1397, 2003.
* Zhang, Q., Crittenden, J.C., Mihelcic, J.R. “Does Simplifying Transport and Exposure Yield Reliable Results? An Analysis of Four Risk Assessment Methods,” *Environmental Science & Technology*, 35:6, 1282-1288, 2001.