



Hao Tang, Ph.D., P.E.
Weyandt Hall, Room 139
975 Oakland Avenue
Indiana, Pennsylvania 15075-1076

P 724-357-7925
F 724-357-2437
htang@iup.edu
<http://iblog.iup.edu/htang>

CURRICULUM VITAE

Update: 8/12/2016

Education:

2011	Ph.D.	Penn State, University Park, Environmental Engineering
2007	M.S.	Penn State, University Park, Environmental Engineering
2004	B.S.	Hunan University, Water & Wastewater Engineering

Academic Experience

2016-	Assistant Professor, Indiana University of Pennsylvania, Dept. of Chemistry
2011-12	Postdoctoral Research Associate, Penn State Harrisburg, Env. Eng. Programs

Industrial Experience

2013-16	Environmental Consultant, Minn Water LLC, Minneapolis, MN
2012-13	Process Engineer, Aeromix Systems Inc, Minneapolis, MN

Adjunct Positions

2014-16	Hunan University, Changsha, Hunan, China
2014	Changzhou University, Changzhou, Jiangsu, China

Principal Areas of Teaching and Research

Teaching: General Chemistry; Environmental Chemistry; Physical and chemical treatment processes in environmental engineering; Sanitary systems design

Research: Water desalination; disinfection and disinfection by-product control; biological nutrient removal

Professional Registration

Professional Engineer

Arizona Registration No. 58526; Branch: Environmental; Issue date: 2014 (Active); Expires 9/30/2017

Awards

2016	Outstanding Advisor for Undergraduate Student Research, Hunan University
2014	Distinguished Service Award, Chinese-American Professors in Environmental Engineering and Science (CAPEES)
2014	Honorary Guest Professor, Changzhou University
2013	Outstanding Researcher, United States Citizenship and Immigration Services (USCIS)
2010	Student Research Award, Pennsylvania Water Environment Association (PWEA)
2010	Second Place Poster Award, American Water Works Association (AWWA), Pennsylvania Section
2006	Student Research Award, Pennsylvania Water Environment Association (PWEA)
2006	Second Place Poster Award, American Water Works Association (AWWA), Pennsylvania Section

Scientific and Professional Societies

American Water Works Association (AWWA)
American Chemical Society (ACS)
Chinese-American Professors in Environmental Engineering and Science (CAPEES)
American Environmental Engineering Science Professors (AEESP)
American Society of Civil Engineers (ASCE)
Water Environment Federation (WEF)

Book and Journal Paper Reviewer

ACS Books
Water Environment Federation
Bioresource Technology
Journal of Hazardous Materials
Science of the Total Environment
Frontier of Environmental Science and Engineering
Water SA
Journal of Water Supply: Research & Technology - AQUA
Water Resources and Industry

PUBLICATIONS

Refereed Book Chapters

1. Hao L. Tang, Ricky J. Ristau II, Yuefeng F. Xie. 2015. Disinfection by-products in swimming pool water: Formation, modeling, and control. Recent Advances in Disinfection By-products, Chapter 20, pp 381-403. DOI: 10.1021/bk-2015-1190.ch020

Refereed Journal Papers

1. Danyang Liu, Xiaomao Wang, Yuefeng F. Xie, Hao L. Tang*. Effect of capacitive deionization on disinfection by-product precursors. *Science of the Total Environment*, 2016, 568, 19-25. DOI: 10.1016/j.scitotenv.2016.05.219
2. Qihan Yao, Hao L. Tang*. Occurrence of re-adsorption in desorption cycles of capacitive deionization. *Journal of Industrial and Engineering Chemistry*, 2016, 34, 180-185. DOI: 10.1016/j.jiec.2015.11.004
3. Hao L. Tang*, Yuefeng F. Xie. Biologically active carbon filtration for haloacetic acid removal from swimming pool water. *Science of the Total Environment*, 2016, 541, 58-64. DOI: 10.1016/j.scitotenv.2015.09.059
4. Jian Yu, Xiaoli Wu, Youqun Song, Wenhui Ren, Hao L. Tang*. Metabolic degradation of 1,4-dichloronaphthalene by *Pseudomonas* sp. HY. *International Journal of Environmental Research and Public Health*, 2015, 12, 10300-10313. DOI: 10.3390/ijerph120910300
5. Danyang Liu, Kuan Huang, Leijie Xie, Hao L. Tang*. Relation between operating parameters and desalination performance of capacitive deionization with activated carbon electrodes. *Environmental Science: Water Research & Technology*, 2015, 1, 516-522. DOI: 10.1039/C5EW00102A

6. Hao L. Tang*, Hongping Chen. Nitrification at full-scale municipal wastewater treatment plants: Evaluation of inhibition and bioaugmentation of nitrifiers. *Bioresource Technology*, 2015, 190, 76-81. DOI: 10.1016/j.biortech.2015.04.063
7. Jin-lin Liu, Xiao-yan Li, Yue-feng Xie, Hao Tang. Characterization of soluble microbial products as precursors of disinfection byproducts in drinking water supply. *Science of the Total Environment*, 2014, 472, 818-824. DOI: 10.1016/j.scitotenv.2013.11.139
8. Hao L. Tang, Yuefeng F. Xie, Yen-Chih Chen. Use of Bio-Amp, a commercial bio-additive for the treatment of grease trap wastewater containing fat, oil, and grease. *Bioresource Technology*, 2012, 124, 52-58. DOI: 10.1016/j.biortech.2012.08.012
9. Hao L. Tang, Yen-Chih Chen, John M. Regan, Yuefeng F. Xie. Disinfection by-product formation potentials in wastewater effluents and their reductions in a wastewater treatment plant. *Journal of Environmental Monitoring*, 2012, 14, 1515-1522. DOI: 10.1039/C2EM00015F
10. Hao L. Tang, John M. Regan, Shirley E. Clark, Yuefeng F. Xie. Prediction of clean-bed head loss in crumb rubber filters. *Journal of Environmental Engineering – ASCE*, 2011, 137, 55-62. DOI: 10.1061/(ASCE)EE.1943-7870.0000296