

BIOGRAPHICAL SKETCH

Yi-Tin Wang

Professional Preparation

Ph.D. Environmental Engineering in Civil Engineering, University of Illinois-Urbana, 1984

M.S. Environmental Engineering in Civil Engineering, University of Delaware, 1981

M.S. Sanitary Engineering in Civil Engineering, National Taiwan University, 1976

B.S. Civil Engineering, National Chung-Hsing University, 1974

Appointments

1997-Present	Professor, Department of Civil Engineering, University of Kentucky
1991 – 1996	Associate Professor, Department of Civil Engineering, University of Kentucky
1986 – 1990	Assistant Professor, Department of Civil Engineering, University of Kentucky
1984 – 1985	Research Associate, Department of Civil Engineering, University of Illinois, Urbana, IL.

Recent Publications

Wang, Y. T., Suttigarn, A., and Dastidda, A., 2009 “Arsenite Oxidation by Immobilized Cells of *Alcaligenes faecalis* Strain O1201 in a Fluidized-Bed Reactor,” *Water Environ. Res.* 81, 173-177.

Dastidar, A., and Wang, Y.T. 2009 “Arsenite Oxidation by Batch Cultures of *Thiomonas arsenivorans* Strain b6,” *ASCE J. Environ. Eng.* 135, 708-715.

Dastidar, A., and Wang, Y.T 2010. “Kinetics of Arsenite Oxidation by Chemoautotrophic *Thiomonas arsenivorans* Strain b6 in a Continuous Stirred Tank Reactor,” *ASCE J. Environ. Eng.* 136, 1119-1127.

Dastidar, A., and Wang, Y.T., 2012. “Modeling Arsenite Oxidation by Chemoautotrophic *Thiomonas arsenivorans* Strain b6 in a Packed-Bed Bioreactor,” *Science of the Total Environment.* 432, 113-121.

Snyder, M., and Wang, Y. T., 2015 “Mn(II) Oxidation by Batch Cultures of *Pseudomonas putida* Strain EC112,” *ASCE J. Environ. Eng.* 141(3).

Ji, Yuxia, and Wang, Y. T., 2017. “Selenium Reduction by Batch Cultures of *Escherichia coli* Strain EWB32213,” *ASCE J. Environ. Eng.* 143(6).

Mahoney, D. T., ,N., Al Aamery, Fox, J., Riddle, B., Ford, W., and Wang, Y. T., 2018” Equilibrium sediment exchange in the earth's critical zone: evidence from sediment fingerprinting with stable isotopes and watershed modelling,” *J. of Soils and Sediments.* *J. of Soils and Sediments.* pp 1-25, DOI 10.1007/s11368-018-2208-8.

Synergistic Activities

1. Paper reviews: J. Environmental Engineering (Associate Editor 2000- 2005), Open Civil Engineering Journal (Editorial board 2006- Present), Chemosphere, Water Environment Research, Water Research, Water Science Technology, Environmental Science & Technology, Environmental Progress, Biochemical Journal.
2. Research Proposal Reviews: U.S.EPA Exploratory Research Program Review Panel (1995), U. S. Department of Energy Waste-Management Education & Research Consortium Review Panel (1996), Water Environment Research Foundation (1996), U.S. Civilian Research and Development Foundation (2000), Louisiana Sea Grant College program (2001), National Science Foundation Review Panel (July 1, 2003), U.S. Geological Survey NIWR National Competitive Grants Program (2011-Present), Changjiang Scholars Program & The Global Young Experts Award review Panel, Ministry of Education, China (2007-Present). National Science Center, Poland (2014-Present)
3. Taught two interactive TV courses from the University of Kentucky at Lexington as partial fulfillment of the joint degree program with Western Kentucky University at Bowling Green. Also developed and delivered an online course.
4. Designed and developed the environmental engineering laboratory and laboratory components for undergraduate environmental engineering courses at the Department of Civil Engineering, University of Kentucky.

Collaborators & Other Affiliations: Dr. James Fox, Dr. Bill Ford

Collaborators and Co-Editors: None

Graduate Advisors and Postdoctoral Sponsors

Makram T. Suidan, American University of Beirut, Lebanon.

Thesis Advisor and Postgraduate-Scholar Sponsor

Directed six Ph.D students and eighteen M.S. thesis and reports. Currently supervising one Ph.D student and co-advising one MS thesis student.

a. Ph.D dissertation

1. Pin-Chieh Pai, employed overseas, completed June 1992.
2. Hai Shen, New Mexico Environment Department, completed May 1994.
3. Evans Chirwa, University of Pretoria, completed October 2000.
4. Arthon Suttigarn, employed overseas, completed August, 2005.
5. Aniruddha Dastidar, U.S.EPA, completed September, 2010.
6. Michael Snyder, February, 2013.
7. Yuxia Ji, “Biological Processes for Selenium Control,” Ph.D. Dissertation. May 2019 (Anticipated)

b. M.S thesis & Report (18 students completed)

James L. Latchaw, Herbert R. Lemaster, Mingbo Qu, Mukta Agarwal, S. Muthukrishan, Evans Chirwa, Noppadon Kowsuvon, Amelia Evans, Rodger Sadler, Zhenming Wang, Jennifer Miller, Manish Sethi, Danita Whelan, Scott Phelps, Rajendra Rachamalla, Andrew Brooks. Yuxia Ji, Jessica Workman.