

## Biographical Sketch

### WILLIAM A. MITCH

#### A. PROFESSIONAL PREPARATION

Harvard University (Cambridge, MA)	Anthropology	B.A., 1993
University of California, Berkeley (Berkeley, CA)	Environmental Engineering	M.S., 1996
University of California, Berkeley (Berkeley, CA)	Environmental Engineering	Ph.D., 2003

#### B. ACADEMIC/PROFESSIONAL APPOINTMENTS

Professor, Depart. of Civil and Environmental Engineering, Stanford University, 2017-present.  
Associate Professor, Depart. of Civil and Environmental Engineering, Stanford University, 2013-2017.  
Associate Professor, Depart. of Chemical Engineering, Yale University, 2008-2013.  
Assistant Professor, Depart. of Chemical Engineering, Yale University, 2003-2008.  
Research Assistant, University of California at Berkeley, 2000-2003.

#### C. PUBLICATIONS

1. Chuang, Y.H.; Mitch, W.A. The effect of ozonation and biological activated carbon treatment of wastewater effluents on formation of N-nitrosamines and halogenated disinfection byproducts. *Environ. Sci. Technol.*, **2017**, 51, 2329-2338.
2. Zeng, T.; Glover, C.M.; Marti, E.; Woods, G.; Karanfil, T.; Mitch, W.A.; Dickenson, E.R.V. Relative importance of different water categories as sources of N-nitrosamine precursors. *Environ. Sci. Technol.*, **2016**, 50, 13239-13248
3. Chuang, Y.H.; Parker, K.M.; Mitch, W.A. Development of predictive models for the degradation of halogenated disinfection byproducts during the UV/H<sub>2</sub>O<sub>2</sub> advanced oxidation process. *Environ. Sci. Technol.*, **2016**, 50, 11209-11217.
4. Li, Y.; Liu, C.; Cui, Y.; Walse, S.S.; Olver, R.; Zilberman, D.; Mitch, W.A. Development of an activated carbon-based electrode for the capture and rapid electrolytic reductive debromination of methyl bromide from post-harvest fumigations. *Environ. Sci. Technol.*, **2016**, 50, 11200-11208.
5. Parker, K.M.; Reichwaldt, E.S.; Ghadouani, A.; Mitch, W.A. Halogen radicals promote the photodegradation of microcystins in estuarine systems. *Environ. Sci. Technol.*, **2016**, 50, 8505-8513.
6. Font-Ribera, L.; Kogevinas, M.; Schmalz, C.; Zwiener, C.; Marco, E.; Grimalt, J.O.; Liu, J.; Zhang, X.; Mitch, W.; Critelli, R.; Naccarati, A.; Heederik, D.; Spithoven, J.; Arjona, L.; de Bont, J.; Gracia-Lavedan, E.; Villanueva, C.M. Environmental and personal determinants of the uptake of disinfection by-products during swimming. *Environ. Res.*, **2016**, 149, 206-215.
7. Parker, K.M.; Mitch, W.A. Halogen radicals contribute to photo-oxidation in coastal and estuarine waters. *Proceedings of the National Academy of Sciences USA*, **2016**, 113, 5868-5873.
8. Li, Y.; Kemper, J.M.; Datuin, G.; Akey, A.; Mitch, W.A.\*; Luthy, R.G.\* Reductive Dehalogenation of Disinfection Byproducts by an Activated Carbon-Based Electrode System. *Water Res.* **2016**, 98, 354-362.

9. Zeng, T.; Li, R.J.; Mitch, W.A. Structural Modifications to Quaternary Ammonium Polymer Coagulants to Inhibit N-Nitrosamine Formation. *Environ. Sci. Technol.*, **2016**, *50*, 4778-4787.
10. Zeng, T.; Plewa, M.J.; Mitch, W.A. N-Nitrosamines and Halogenated Disinfection Byproducts in U.S. Full Advanced Treatment Trains for Potable Reuse. *Water Res.*, **2016**, *101*, 176-186.
11. McCurry, D.L.; Krasner, S.W.; Mitch, W.A. Control of Nitrosamines During Non-Potable and de Facto Wastewater Reuse with Medium Pressure Ultraviolet Light and Preformed Monochloramine. *Environ. Sci.: Water Res. Technol.*, **2016**, *2*, 502-510.
12. Zeng, Y.; Mitch, W.A. Oral Intake of Ranitidine Increases Urinary Excretion of N-Nitrosodimethylamine. *Carcinogenesis*, **2016**, *37*, 625-634.
13. Zeng, T.; Mitch, W.A. Impact of Nitrification on N-Nitrosamine and Halogenated Disinfection Byproduct Formation within Drinking Water Storage Facilities. *Environ. Sci. Technol.*, **2016**, *50*, 2964-2973.
14. McCurry, D.L.; Quay, A.N.; Mitch, W.A. Ozone Promotes Chloropicrin Formation by Oxidizing Amines to Nitro Compounds. *Environ. Sci. Technol.*, **2016**, *50*, 1209-1217.
15. Yang, Y.; Pignatello, J.J.; Ma, J.; Mitch, W.A. Effect of Matrix Components on UV/H<sub>2</sub>O<sub>2</sub> and UV/S<sub>2</sub>O<sub>8</sub><sup>2-</sup> Advanced Oxidation Processes for Trace Organic Degradation in Reverse Osmosis Brines from Municipal Wastewater Reuse Facilities. *Water Res.* **2016**, *89*, 192-200.