**Jiaming (Lily) Shi**

**DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING**

**University of Southern California**

920 Downey Way, BHE 220, Los Angeles, CA 94305

510-944-6334

**jiamings@usc.edu**

EDUCATION

University of

Southern California  **Ph.D. student, Civil and Environmental Engineering** current

Advisor: Dr. Daniel McCurry

GPA (3.75/4)

University of California,

Berkeley **M.S., Environmental Engineering** (May 2017)

GPA (3.81/4)

Tongji University **B.S., Environmental Science**(June 2016)

GPA (87.3/100)

**PROFESSIONAL EXPERIENCE**

UNIVERSITY OF SOUTHERN CALIFORNIA | Los Angeles, CA (August 2017- )

**Graduate** **Research Assitant**

*Astani Department of Civil and Environmental Engineering*

UNIVERSITY of CALIFORNIA, BERKELEY | Berkeley, CA

**Graduate Research Assistant** (August 2016 – August 2017)

*Department of Environmental Science, Policy*

*and Management*

TIANJIN ENVIRONMENTAL PROTECTION BUREAU | Tianjin, China (January 2008 – July 2011)

**Research Assistant Internship**

*Office of environmental hazards monitoring*

**Publications**

**Shi, J.L.; McCurry, D.L**. Nitromethane as an Ozone Byproduct in Wastewater, and N-methylamine Drugs as Potent Precursors. Submitted.

PRESENTATIONS

**Conference Poster Presentations**

**Shi, J, McCurry, D.L.** “Formation of Chloropicrin from Methamphetamine-type Stimulant Drugs by Ozone and Chlorine in Water Treatment”. Association of Environmental Engineering and Science Professors Conference, AZ, May 14-16th, 2019.

**Shi, J, McCurry, D.L.** “Formation of (Halo)nitromethanes from N-methylamine Drugs by Ozone and Chlorine in Wastewater Reuse” Water Disinfection, Byproducts and Health Gordon Research Conferences, MA, July 28th-Aug 2nd, 2019.

**Oral Presentation**

**Shi, J, McCurry, D.L.** “Nitromethane as an Ozone Byproduct in Wastewater and N-methylamine Drugs as High Yield Precursors” Gordon Research Seminar on Water Disinfection, Byproducts and Health, MA, July 27th-July 28th, 2019.

**Shi, J**. “the current environmental situation in China and the green campus strategies employed by Tongji University” 2013 Tongji University Sino-African Summer School Visit to UNEP,Nairobi, Kenya, August 7th,2013.

AWARDS

Tongji University Scholarship of Excellence (2012-2015)

Teh Fu “Dave” Yen Fellowship in Environmental Engineering (2019-2020)

TEACHING ASSITANT

COURSES

**Aquatic Chemistry** (ENE 562) University of Southern California (Spring 2019)

**Statics** (CE 205) University of Southern California (Fall 2018, Fall 2017)

**Environmental Engineering Principles** (CE 200) (Spring 2018)

University of Southern California

SKILLS

**Instruments:** Gas chromatography/Mass spectrometry (GC/MS) Liquid chromatography/Mass Spectrometry (LC/MS) High Pressure Liquid Chromatography (HPLC) Atomic Force Microscope (AFM)

**Computer Programs**: MATLAB, AutoCAD, Visual Basic, C#, SQL Server, photoshop

PROFESSIONAL REGISTRATION

Engineer Intern (EIT), State of California (2017)