

**Hyun-Ji (Julie) Lee**

**E-mail:** hlee18@uci.edu

**CURRENTLY:** Graduate student in UCI (Starting 2006 Fall)

**EDUCATION:** California State University, Fullerton  
B.S. Chemistry (with Environmental emphasis), June 2006  
Minor in Mathematics, June 2006

**LANGUAGES:** Fluent in Korean (Capable of reading and writing as well)

**LABORATORY**

**WORK EXPERIENCE:**

- 07/2006 – Currently UCI Chemistry Department, Irvine, CA  
**Research Assistant** (in the Rowland and Blake)  
Advisor: Dr. Blake  
**Research Interest:** - Atmospheric studies  
- Pre-diagnostic breath study (especially on Dialysis)
- 08/2006 – 09/2006 UCI Chemistry Department, Irvine, CA  
• **Champ program**  
Learned how to use AutoCAD, Lab View, and IDL  
Learned how to use Mill, Drill in the UCI machine shop.  
Learned how to use SEM microscope
- 07/2006 – 08/2006 UCI Chemistry Department, Irvine, CA  
**Research Assistant** (to Dr. Corn)  
• Internship
- 07/2004 – 05/2006 CSUF Chemistry Department, Fullerton, CA  
**Research Assistant** (with Dr. Hewitt)  
• Senior research (Chem. 495) was done for a year and continuing the research till graduation.  
• Relative rate studies were done on different substituted chlorotoluenes (ortho-, meta- and para-), which was based on the simply modified form of toxic air pollutant, PCDD and PCDF.  
• As senior project, in 2004 Fall, a poster presentation on the research was done, and in 2005 spring, twenty page senior research paper was submitted to the department.
- 01/2004 – 04/2005 CSUF Chemistry Department, Fullerton, CA  
**Research Assistant** (with Dr. Tao)  
• With a computer program called Gaussian 98, all the bromophenol's 31 conformers were calculated and the data were collected for further analysis.  
• Two publications were done on this research.  
• Poster presentation was done at the ACS 299<sup>th</sup> National Meeting and Exposition held at San Diego, CA on March 13 ~ 17, and the Poster with titled, "Theoretical Study of Molecular Structures and Properties of the Complete Series of Bromophenols."
- 05/2003 – 08/2003 CSUF Chemistry Department, Fullerton, CA  
**Research Assistant** (with Dr. de Ijser)  
• Synthesized different Oximes

- Product study and analysis after the Oximes have been photolyzed.

## ACADEMIC

### ACHIEVEMENTS/ PUBLICATIONS:

Published in "Journal of Physical Chemistry A" as a co-author: Paper titled "Molecular Structures and Properties of the Complete Series of Bromophenols: Density Functional Theory Calculations."

## VOLUNTEER SERVICE

### AWARDS AND HONORS:

Name of Award, Honor and Merit-Based Scholarship	Organization	Date Received or Awarded: Month	Date Received or Awarded: Year
Honour Award Level 2 (entrance)	McMaster University	September	2001
Dean's Honor List	CSUF (NSM)	August	2003
Dean's Honor List	CSUF (NSM)	September	2004
2005 Lyle Wallace Award	CSUF (NSM)	April	2005
Dean's Honor List	CSUF (NSM)	September	2005

## EXTRACURRICULAR

### ACTIVITIES:

Two years of Biochemistry and Chemistry Club member as the ICC (Inner-Club Counsel) representative.

### REFERENCES:

Publication on Journal of Physical Chemistry A