

Yanjun Jean Wan

Southern Wesleyan University
907 Wesleyan Drive, Central, SC 29630

EDUCATION

Ph.D. in Chemistry Education, Clemson University. GPA: 4.0	May 2014
M.S. in Analytical Chemistry, North Carolina State University. GPA: 3.7.	Dec. 2008
B.S. in Chemistry, Shanghai Jiao Tong University. GPA: 3.4.	Jun. 2005
B.A. in Finance, Shanghai Jiao Tong University. (<i>double major</i>)	Jun. 2005

TEACHING EXPERIENCES

Assistant Professor of Chemistry, Southern Wesleyan University (<i>Courses taught: Introductory Chemistry, General Chemistry, Organic Chemistry, Biochemistry, Inorganic Analysis, Organic Analysis, and corresponding labs</i>)	2013-now
Chemistry Instructor (full-time tenure track), Marion Military Institute (<i>Courses taught: College level general chemistry lecture and laboratory</i>)	2012-2013
Graduate Teaching Assistant, Clemson University Chemistry Department (<i>Courses taught: General and organic chemistry laboratory</i>)	2009-2012
Graduate Teaching Assistant, North Carolina State University Chemistry Department (<i>Courses taught: General chemistry laboratory</i>)	2005-2006

GRADUATE RESEARCH EXPERIENCES

Chemistry Education Research under Dr. Melanie Cooper, Clemson University (<i>Studied the effects of different curricula, teaching methods, in-class activities, laboratory, and homework on students' learning outcome, and the development of assessments to evaluate student learning and course outcomes in several projects funded by NSF.</i>)	2009-2014
Analytical Research under Dr. Christopher Gorman, North Carolina State University (<i>Developed a new industrial applicable mercury sensor in a project funded by US Department of Energy; investigated molecular electronics properties in a project funded by NSF.</i>)	2007-2008

PROFESSIONAL CONFERENCES

Georgia Conference on College & University Teaching	2014
General Chemistry Symposium	2013
Biennial Conference on Chemistry Education (<i>Presentation Title: An Activity to Improve Students' Scientific Explanation Skills and to Assess Students' Understanding of Acid Base Chemistry Concepts</i>)	2012
Chemistry Education Research Graduate Student Conference (<i>Poster Title: Lewis Acids and Bases – Confusions, Misconceptions, and Potential Solution?</i>)	2011

ACADEMIC PAPER

1. Aminoisoquinolines as colorimetric Hg²⁺ sensors: the importance of molecular structure and sacrificial

base. Tetrahedron, 65 (2009), 4293–4297. (First Author)

2. Simple Molecule Mercury Sensor, Master's Thesis, available online for free:

<http://www.lib.ncsu.edu/theses/available/etd-08082008-132023/>

3. Assessing College Students' Understanding of Acid Base Chemistry Concepts, Ph.D. Dissertation

OTHER WORK EXPERIENCES

QA Tester, WebAssign Inc. 2008-2009

(Tested chemistry related questions for WebAssign homework system.)

Research & Laboratory Specialist, North Carolina State University 2008

(Tested analytical and photophysical properties of thiophene isomers.)

OTHER ADMINISTRATIVE EXPERIENCES

Intern, "Laborers Impacting Nations for Christ" Summer Mission Project (volunteer work) 2013

Spring/Fall Break Mission Trip Coordinator, Clemson Community Church (volunteer work) 2011-2012

General Secretary, Phi Lambda Upsilon National Graduate Honorary Chemical Society, Beta Lambda Chapter 2007-2008

ACADEMIC SOCIETIES

Invited to join American Chemical Society in Jan 2012.

LABORATORY SKILLS

Well trained to obtain and interpret information from NMR, UV, FTIR, TEM, and Fluorescence. Well trained on chemical operations including drybox, vacuum line, column purification, membrane centrifugation, recrystallization, temperature control (-70°C ~ 300°C), etc.

COMPUTER SKILLS

Highly familiar with learning management software including WebAssign, BlackBoard, MasteringChemistry, Sapling, software related to chemistry and education research (SciFinder, ChemOffice, MathCad, SAS, R, etc), as well as commonly used software (Microsoft Office, PhotoShop, etc).

HONORS AND AWARDS

Excellent Student in Russian Foreign Language, North Carolina State University 2006

1st Award in University Math Contest, Shanghai Jiao Tong University 2002

Excellent Player Award in University Computer Contest, Shanghai Jiao Tong University 2002

Undergraduate Scholarship Awardee every year, Shanghai Jiao Tong University 2001-2004

Most Valuable Player Award in University Speech and Debate Contest, Shanghai Jiao Tong University 2001

Ranked No.9 among 120,000+ Examinees in College Entrance Examination in the subject of English 2001

3rd Award from Provincial Physics Contest, Guilin High School 2001

Excellent Player Award in National High School Computer Contest, Guilin High School	2000
1 st Award from Provincial Math Contest, Guilin High School	1999
2 nd Award from Provincial Computer Programming Contest, Guilin High School	1999
2 nd Award from National Chemistry Contest, Guilin High School	1998