**CURRICULUM VITAE**

Dr. Timothy Martin Ayers, PhD

February 16nd, 2015

**ACADEMIC PREPARATION**

**Ph.D. in Physical Chemistry, August 2006**

University of Georgia, Chemistry Department, Athens GA

**Georgia Teaching Certification, December 2006 (Expires 06/2016)**

University of Georgia, Science Education Department, Athens GA

**B.S. in Chemistry, May 2001**

University of West Georgia, Carrollton GA

**PROFESSIONAL EXPERIENCE**

**Lecturer of Chemistry, August 2006 – present**

Chemistry Department

1600 Maple St.

University of West Georgia, Carrollton, GA 30118

**Courses Taught**

CHEM 1100 Introduction to Chemistry (chemistry for non-majors)

CHEM 1211 General Chemistry I & laboratory

CHEM 1212 General Chemistry II & laboratory

ISCI 2002 Integrated Science (K-5 education majors) & laboratory

CHEM 2411L Organic Chemistry I & II laboratory

CHEM 1211 eCore Chemistry I (online)

**Independent Contractor, August 2010 – present**

District Manager, RH2O Engineering, Inc.

**PUBLICATIONS**

**1.** Ayers, T.; Scott, S.; Goins, J.; Caylor, N.; Hathcock, D.; Slattery, S.J. Jameson, D.L. *Redox and spin state control of Co(II) and Fe(II) N-heterocyclic complexes,* Inorg. Chim. Acta 307 (2000) 7.

**2.** Ayers, T.; Caylor, N.; Ayers, G.; Godwin, C.; Hathcock, D.J.; Stuman, V.; Slattery, S.J. *Design and investigation of a Ru(II) N-heterocyclic complex which undergoes proton coupled electron transfer*, Inorg. Chim. Acta 328 (2002) 33.

**3.** Ayers, T.M.; Fye, J.L.; Li, Q.; Duncan, M.A. *Synthesis and isolation of titanium metal cluster complexes and ligand-coated nanoparticles with a laser vaporization flowtube reactor*, J. Cluster Sci. 14 (2003) 97.

**4.** Ayers, T.; Turk, R.; Lane, C.; Goins, J.; Jameson, D.; Slattery, S.J. *Tuning redox and spin state properties of Fe(II) N-heterocyclic complexes via electronic/steric influence on metal-ligand bonding*, Inorg. Chim. Acta. 357 (2004) 202.

**5.** Ayers, T.M.; Westlake, B.C.; Duncan, M.A. *Laser plasma production of metal and metal compound complexes with polycyclic aromatic hydrocarbons*, J. Phys. Chem A 108 (2004) 9805.

**6.** Ayers, T.M.; Westlake, B.C.; Preda, D.V.; Scott, L.T.; Duncan, M.A. *Laser plasma production of metal-corannulene complexes*, Organometallics 24 (2005) 4573.

**7.** Olsen, Katie; Hardin, Lori; McGovern, Justin; Manning, Thomas J.; Phillips, Dennis; Ayers, Tim; Duncan, Michael A. *Nanoresistors and single-walled carbon nanotubes: Using an ohmmeter to test for hybridization shifts***,** Chemical Educator 10 (2005) 260.

**8.** Ayers, T.M.; Akin, S.T.; Dibble, C.J.; Duncan, M.A. *Laser Desorption Time-of-Flight Mass Spectrometry of Inorganic Clusters*, J. Chem. Ed., November 2013.

**PRESENTATIONS**

Ayers, T.M.; Fye, J.L; Li, Q.; Duncan, M.A. “Production and Isolation of Ligand Coated Nanoparticles Using a Laser Vaporization Flowtube Reactor”, Southeast Regional Meeting of the American Chemical Society, Charleston, SC, November 15, 2002.

Ayers, T.M.; Fye, J.L.; Duncan, M.A. “Production and Isolation of Ligand Coated Nanoparticles Using a Laser Vaporization Flowtube Reactor”, Poster Presentation, International Symposium on Clusters and Nano-Assemblies: Physical and Biological Systems, Richmond, November 12, 2003.

Ayers, T.M.; Fye, J.L.; Duncan, M.A., “Production and Isolation of Ligand Coated Nanoparticles Using a Laser Vaporization Flowtube Reactor”, Departmental Seminar, University of Bristol, Bristol, England, June 15, 2004.

Ayers, T.M.; Fye, J.L.; Duncan, M.A., “Production and Isolation of Ligand Coated Nanoparticles Using a Laser Vaporization Flowtube Reactor”, NanoSEC meeting, Athens, Georgia, May 26, 2005.

Ayers, T.M., “Detection of Explosive Materials: Current Methods and Innovations”, Departmental Seminar, University of Georgia, Athens, November 11, 2005.

Ayers, T.M., “Energy is Practically Everywhere: A Practical Approach to Teaching Energy in the Classroom”, Southeast Regional Meeting of the American Chemical Society, Augusta, GA, November 2, 2006.

Ayers, T.M., “Science Literacy in General Chemistry Courses”, COSM Dean’s Teaching and Learning Series, University of West Georgia, October 19, 2012.

Ayers, T.M., “Science Literacy in General Chemistry Courses”, Georgia Scholarship of STEM Teaching and Learning Conference, Georgia Southern University, February 8, 2013.

Ayers, T.M., “Utilizing Media Resources to Achieve Higher Levels of Science Literacy”, COSM Dean’s Teaching and Learning Series, University of West Georgia, February 21, 2014.

**HONORS, AWARDS, and GRANTS**

2014 UWG-COSM Teaching Excellence Award

2014 UWG Office of First Year Experience – Influential Person Award

2012 UWG-COSM Grant for improvement of science literacy in general chemistry courses

2002 Ken Whitten Award - Outstanding Teaching Assistant, University of Georgia

**EXTRACURRICULARS**

2014 American Chemical Society - Member

2013-present Carrollton Evening Sertoma Club

-President 2014-15

-actively manages the Carrollton Empty Stocking Fund, Inc. and all fundraisers affiliated

-coordinates July 4th parade annually

-supports local charitable organizations (Carrollton Emergency Shelter/Rape Crisis Center)

2013 Little League Baseball Coach, 11-12, Carrollton City Recreation Department

2007 Engineering on the Creative Coast (Sponsored by GT Savannah) – Counselor

2004-05 UGA Sailing Club – Captain, University of Georgia