

Curriculum Vitae
08/22/2014

PERSONAL INFORMATION:

Name: Zewdu Gebeyehu
Academic Rank: Professor of Chemistry

EDUCATION:

- Ph.D., Feb. 1991, Philipps University, Marburg, West Germany.
- M.Sc., Aug. 1983, Addis Ababa University, Addis Ababa, Ethiopia.
- B.Sc., July 1980, Addis Ababa University, Addis Ababa, Ethiopia.

ACADEMIC APPOINTMENT AND WORK EXPERIENCE:

- Fulbright Scholar at the Department of Chemistry, Addis Ababa University, Fall 2013 and Spring 2014.
- Professor of Chemistry, Department of Chemistry, Columbus State University, Columbus, GA 31907, December, 2008- Present.
- Associate Professor of Chemistry, Department of Chemistry and Geology, Columbus State University, Columbus, GA 31907, Aug. 2002-2007
- Assistant/Associate Professor of Chemistry, Chemistry Department, Tuskegee University, Tuskegee, AL 36088, Aug. 1992 – May 2002.
- Part-time Position in the Department of Chemistry and Geology, Columbus State University, Columbus, Georgia, Fall 1995.
- Lecturer and Head of Chemistry Section, Alemaya University, Ethiopia, 1985-1987.
- Lecturer and Assistant Dean of Science Teachers Training Program, Alemaya University, Ethiopia (1983-84).
- Assistant Lecturer, Addis Ababa/ Alemaya Universities, Ethiopia, 1980-1983. (Full time)

AREAS OF SPECIAL INTEREST WITHIN DISCIPLINE:

- Synthesis and characterization of some inorganic and organometallic compounds.
- Synthesis and spectroscopic characterization of some lanthanide complexes that may show luminescence property.
- Analysis of environmental pollutant related to some heavy metals in surface and ground water.
- Analysis of household materials.

MEMBERSHIP:

- Chemical Society of Ethiopia, 2013 – present
- American Chemical Society, 2009 - present
- Georgia Academy of Science, 2004 – present

AWARDS AND FELLOWSHIP:

- Fulbright Scholars Award, Fall 2013-Spring 2014
- Certificate from The Laboratory Safety Institute, November, 2010
- Received Outstanding Faculty Performance Award for Teaching from College of

- Agriculture, Environmental and Natural Sciences, Tuskegee University, AL, April 23, 1999.
- Received Summer Faculty Research Fellowship for six years, at Wright-Patterson Air Force Base, Dayton, OH.
 - ◆ June 15 - August 15, 1997
 - ◆ May 26-August 14, 1998
 - ◆ May 24-July 30, 1999
 - ◆ May 29-August 3, 2001
 - ◆ May 28-August 2, 2002
 - ◆ May 19-August 8, 2003
 - Granted Post-Doctoral Fellowship, University of Illinois, Urbana-Champaign, IL, 1991-1992.
 - Awarded a German Academic Exchange Service (DAAD) Fellowship for Ph.D. Study in the Federal Republic of Germany, October 1987-March 1991.

RECENT COMMITTEES:

Service at AAU (Fall 2013-Spring 2014)

- Member of Ph.D students progress report review committee (nine students)
- Member of Ph.D student research proposal review committee (one student)
- Member of Ph.D students examination committee (four Ph.D candidates)

Service at CSU

- **Chair** of Chemical Hygiene and Safety Committee 2010-2012
- Member of Instrument Committee, 2010- 2012
- Member of Faculty Senate, 2012-present
- Member of Post Tenure Committee of COLS, Spring 2012.
- **Chair**, Research and Graduate committee

Publications

- **Zewdu Gebeyehu** and Rajeev B. Dabke “Demonstrating Close-Packing of Atoms Using Spherical Bubble Gums” *SINET: Ethiop. J. Sci.*, 37(1): 69-72, **2014**
- **Christopher Scanlon** , **Zewdu Gebeyehu**, **Kameron Griffin**, and **Rajeev B. Dabke** “*Volumetric Titrations Using Electrolytically Generated Reagents for the Determination of Ascorbic Acid and Iron in Dietary Supplement Tablets: An Undergraduate Laboratory Experiment*” . *J. Chem. Educ.*, Article ASAP DOI: 10.1021/ed400630u, Publication Date (Web): April 18, **2014**
- Bizuneh Workie, Brian E. McCandless, and **Zewdu Gebeyehu** “*Electrophoretic Deposition of Aluminum Nitride from its Suspension in Acetylacetone using Iodine as an Additive*” *Journal of Chemistry*, Volume 2013 (**2013**), Article ID 489734, 7 pages.
- Rajeev B. Dabke, **Zewdu Gebeyehu**, and Jonathan Padelford “Determining the Transference Number of H+(aq) by a Modified Moving Boundary Method: A Directed Study for the Undergraduate Physical Chemistry Laboratory” *Journal of Chemical Education*, published online on September 26, **2012**.
- Rajeev B. Dabke and **Zewdu Gebeyehu** “Using Mole Ratios of Electrolytic Products of Water for Analysis of Household Vinegar: An Experiment for the Undergraduate Physical Chemistry Laboratory” *Journal of Chemical Education* **2012**, **89** (9), 1198 1200.

- Rajeev B. Dabke, **Zewdu Gebeyehu**, Nicole Ippolito “*Analysis of Ascorbic Acid in Supplement Tablets from the Mole Ratios of the Electrolytic Products: An Experiment for the Undergraduate Laboratory*” *The Chemical Educator* **2012**, **17**, 152-156.
- Rajeev B. Dabke, **Zewdu Gebeyehu**, and Ryan Thor “*Coulometric Analysis Experiment for the Undergraduate Chemistry Laboratory*” *J. Chem. Educ* **2011**, **88** (12), 1707–1710.
- Rajeev B. Dabke, **Zewdu Gebeyehu**, Mary Petermann, Napoleon Johnson Jr. and Krutik Patel, “*Analysis of Household Products: Coulometric Titration Experiment in Undergraduate Laboratory*” *Chemical Educator* **2011**, **16**, 160-163.
- Rajeev Dabke and **Zewdu Gebeyehu** “*Using Magnets, Paper Clips and Ball Bearings to Explore Molecular Geometries*”, *Journal of College Science Teaching*, Vol. 40, No. 2, 66-69, **2010**
- Ellene Kebede, Jianbang Gan and **Zewdu Gebeyehu**, “*Non-Point Source Pollution and Land Use Pattern Linkage: A Watershed Approach*”, *The Journal of the Alabama Academy of Science*, Vol. 74, No. 3/4, P. 197, **2003**.
- David W. Tomlin, Thomas M. Cooper, David E. Zelmon, **Zewdu Gebeyehu** and John M. Hughes, “*Cadmium isopropylxanthate*” *Acta Cryst.*, C55, 717-719, **1999**.
- David E. Zelmon, **Zewdu Gebeyehu**, David Tomlin, and Thomas M. Cooper, “*Investigation of Transition Metal-Xanthate Complexes for Nonlinear Optical Applications*” *Mat. Res. Soc. Symp. Proc.* Vol. 519, 395-400, **1998**.
- **Zewdu Gebeyehu** “*Reactions of a Chloronitreno Complexes of Tungsten with Phosphorous Trichloride: Synthesis and Characterization of $Cl_5W(NPCl_3)$* ”. *The Journal of the Alabama Academy of Science*, Vol. 68, No. 3, P. 272, **1997**.
- **Zewdu Gebeyehu** “*Reactions of a Chloronitreno Complexes of Tungsten with Gallium Trichloride: Synthesis and Characterization of $(ClN)Cl_3W(\mu-Cl)_2GaCl_2$* ”. *The Journal of the Alabama Academy of Science*, Vol. 67, No. 4, October, **1996**.
- Patricia A. Shapley, Robert M. Marsham, Jeanine M. Shusta, **Zewdu Gebeyehu**, and Scott R. Wilson “*Synthesis of Nitridoosmium (VI) Phosphine Complexes*” *Inorg. Chem.* **33**, 498-502, **1994**.
- Patricia A. Shapley, **Zewdu Gebeyehu**, Naijie Zhang and Scott R. Wilson “*Osmium (VI) Complexes of Tetrathiotungstate*” *Inorg. Chem.*, **32**, 5646-5651, **1993**.
- **Zewdu Gebeyehu**, Frank Weller, Bernhard Neumuller and Kurt Dehnicke; “*Sterisch abgeschirmte Nitridokomplexe von Molybdan und Wolfram. Die Kristallstrukturen von $[MoN(NPh_2)_3]$ und $[W_4N_4(NPh_2)_6(O^nC_4H_9)_2]$* .” *Z. Anorg. Allg. Chem.* **593**, 99-110, **1991**.