

Curriculum Vitae

Moses K. Dogbevia

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Summary

Held PhD in Chemical Physics and teach chemistry at Hastings College. I hope to improve my teaching skills through the years to become a teacher in an environment where I can use my skills and interests to impact on the lives of my students, to contribute to the education of specialists and non-specialists alike, and to increase the public awareness of the value of the physical sciences through seminars and workshops. Working continuously to be a member of a team of well-educated and energetic scientists and staff in chemistry and physics, as well as add to the growth and advancement of the college/university as a whole. I hope to remain an Ambassador for Africa in the College/university and be actively involved in the recruitment of students from Africa into the College/university, not only to increase the enrollment, but also to enhance the cultural diversity of the student population.

Education

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| 1999 – 2005 | University of Nevada Reno, Reno, NV
PhD in Chemical Physics |
| 1986 - 1990 | University of Cape Coast, Cape Coast, Ghana
Bsc. Honors Degree in Physics |
| 1986 - 1990 | University of Cape Coast, Cape Coast, Ghana
Diploma in Science Education |

Professional Experience

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| 2011-present | Associate Professor of Chemistry, Hastings College |
| 2006-2010 | Assistant Professor of Chemistry, Hastings College |

2005-2006 Assistant Professor of Chemistry, Austin College, Sherman TX

1999-2005 Graduate Research Assistant and Teaching Assistant
University of Nevada Reno, Reno, NV

Publications

3rd World Conference on Learning, Teaching and Educational Leadership (WCLTA-2012) Re-envisioning multicultural education in diverse academic contexts. Elavie Ndura, **Moses K. Dogbevia**. Procedia - Social and Behavioral Sciences 93 (2013) 1015 – 1019

Energetics of adsorption of O, O₂, CO and CO₂ on gold dimer cluster anions. **Moses K. Dogbevia**, Kent M. Ervin [Chapter of a Book published by Kent Ervin, 2008: “Metal Cluster Catalysis and Chemical Reactivity”]

Binding energies of gold carbonyl cluster anions: Collision-induced dissociation of Au_nCO⁻ (*n* = 2-6). **Moses K. Dogbevia**, Kent M. Ervin [Chapter of a Book published by Kent Ervin, 2008: “Metal Cluster Catalysis and Chemical Reactivity”]

Kinetics and energetics of catalytic oxidation of CO on palladium cluster anions. **Moses K. Dogbevia**, Kent M. Ervin [Chapter of a Book published by Kent Ervin, 2008: “Metal Cluster Catalysis and Chemical Reactivity”]

Gas Phase Transition Metal-Cluster Catalysis. **Moses K. Dogbevia**. Dissertation 2005, University of Nevada Reno.

Gas-phase hydrogen atom abstractions of S⁻ with H₂, CH₄, and C₂H₆. **Laurence Angel**, Moses K. Dogbevia, Katarzyna M. Rempala, Kent M. Ervin. Journal of Chemical Physics, **2003**, 119(17), 8996-9007.

Presentations

November 7, 2013: Co-presented a paper at National Association of Multicultural Educators (NAME) 23rd annual national conference held at Oakland California on the topic “Affirming the Relevance of Multicultural Education in Higher Education Science Curricula-Even in Astrophysics” [Paper submitted for presentation]

July 24, 2013: Co-presented a workshop with Professor Elavie Ndura of George Mason University at Washington D.C, in Burundi on the topic “The role of science education in social and economic development of a developing country”

- October 26, 2012: 3rd World Conference on Learning, Teaching and Educational Leadership held in Brussels, Belgium. Re-Envisioning Multicultural Education in Diverse Academic Contexts. Elavie Ndura, George Mason University and Moses K. Dogbevia, Hastings College. [Paper published].
- October 26, 2012: 3rd World Conference on Learning, Teaching and Educational Leadership held in Brussels, Belgium. Teaching Strategies to Motivate Students of Diverse Backgrounds in the Study of Science. Moses K. Dogbevia, Hastings College and Neil Heckman, Hastings College. [Paper submitted for presentation].
- December 16, 2009: YWCA holiday party: Holiday celebrations (festivals) in Ghana. [Talk]
- May 19, 2007: Sertoma Association Meeting: Traditions and Cultural Values of Africans [Talk]
- February 28, 2005: Gordon Conference on Gaseous Ions: Structures, Energetics & Reactions, at Ventura, California. Energetics of adsorption of O, O₂, CO and CO₂ on gold dimer cluster anions. **Moses K. Dogbevia**, Kent M. Ervin. [Poster Presentation].
- January 16, 2003: Ion Chemistry Conference at Lake Arrowhead UCLA Conference Center. Collision-Induced Dissociation of Carbon Monoxide absorbed on small gold cluster anions: **Moses K. Dogbevia**, Kent M. Ervin. [Poster Presentation]
- January 28, 2002: Ion Chemistry Conference at Lake Arrowhead UCLA Conference Center. Catalytic Oxidation of CO by Palladium clusters: Reaction Energetics. **Moses K. Dogbevia**, Kent M. Ervin [Talk]

Teaching Experience

2006 –present	Hastings College, Hastings, NE	
	Senior Project/Seminar	2011-
	General, Organic, and Biological Chemistry	2011-
	College Chemistry with lab	2006-present
	Physical Chemistry with lab (Alternate years)	2006-present
	Analytical Chemistry with lab (Alternate spring semesters)	2006-present
	LAP Chemistry with lab (Alternate Fall semesters)	2006-present
	Inorganic Chemistry (spring semester)	2007-2008
	Living and Learning	2008

January Term Classes

Extended Off-campus Tour to Ghana	2014
Chemistry in the Movies	2013
Chemistry Research Experience	2012
Fundamentals of Chemistry	2011
Fundamentals of Chemistry	2010
Fundamentals of Chemistry	2009
Extended Off-Campus Tour to Ghana	2008
Nation Building in Africa	2007

2005- 2006

Austin College, Sherman, TX

Taught physical chemistry to senior students, Non-science environmental chemistry, and general chemistry as well as physical chemistry labs. I also taught an interim course titled "Nation Building in Africa." This course is intended to provide an interactive learning experience to the students, where the students will explore Africa's diversity in rich traditions, history, language, art, food and music.

1999 - 2005

University of Nevada Reno, Reno, NV

Teaching Assistant

Taught laboratory classes for College Chemistry, sophomore chemistry laboratory classes, graded exams and assignments for professors.

Research Assistant

Studied the kinetics and energetics of catalytic oxidation of CO on transition metal cluster anions (Palladium and Gold) in the gas phase using Guided Ion Beam Tandem Mass Spectrometry methods.[Advisor: Prof. Kent M. Ervin]

1992 - 1999

Achimota High School, Achimota, Ghana

Science Teacher

Taught Physics, Chemistry, Mathematics and basic Biology

1990 - 1992

Holy Child High School, Cape Coast, Ghana

Physics Teacher

Head of Physics Department; Initiated the participation of students in regional and national science fairs by involving the students in various science projects.

Awards

- 2012 – 2013 J. Kent and Normalee Stadler Faculty Achievement Award, by Hastings College
- 2007 – 2008 SAA Polished Apple Award by Hastings College
- 2004 – 2005 Outstanding Graduate Student; Graduate Student Association Scholarship.
- 2003 – 2004 Outstanding Graduate Student; Graduate Student Association Scholarship.
- 2003 – 2004 Unsung Hero of the University of Nevada Reno [Board of Regents award for outstanding services in the university community]
- 2001 – 2002 “Who’s Who among students in American Universities and Colleges”

Languages

- English First language
Ewe Fluent
French Moderate ability in reading

Extracurricular Activities.

- 2009-present ETS Advanced Placement (AP) exam reader in Chemistry
- 2007-2009 Secretary of Nebraska Local chapter of ACS. During my tenure as secretary seminars are organized for members of the local chapter, and I was keeping up to date records of the functions of the organization, and I was active in preparing newsletters for the local chapter.
- 2002 - 2005 Graduate Students Association (GSA) council member of University of Nevada Reno. As a GSA council member I initiated the Household Items Program, to collect used household items donated by people in the community and distributed to needy International Students in the University.
- 2001 - 2002 Founding President of African Students and Scholars Association (ASSA) at the University of Nevada Reno. I led the ASSA members in a meeting with the President of the University to discuss improvements to International Graduate Students life on campus.

Professional Affiliations

2007-present	American Chemical Society (ACS) Nebraska Section (Member)
2005- 2006	American Chemical Society (ACS) Texas Chapter
2005 - present	American Chemical Society National Chapter (ACS)
1990 - present	Ghana National Association of Science Teachers
1990 - present	Ghana Association of Professional Teachers

Campus Committees, Affiliations and Sponsorships

2011-2012	Faculty sponsor of Artists Lecture Series (ALS) students symposium committee at Hastings College.
2009-present:	Member of Students Affairs Committee at Hastings College.
2009-present:	Member of Safety Committee at Hasting College.
2009-present	Advisor/Sponsor of Multicultural Students Union (MSU) and Alpha Tau Beta (TBA) fraternity on campus.
2008-present	Member of Committee on Team Against Bias (TAB) Hastings College
2007-present	Member of Teaching Circle Hastings College on campus.
2006- present	Member of International Education Advisory Committee at Hastings College.

Meetings Attended

- Annual Conference of National Association of Multicultural Educators (NAME), Chicago, IL, November 2013.
- Annual Conference of National Association of Multicultural Educators (NAME), Chicago, IL, November 2012.
- International Annual Conference of American Chemical Society (ACS) New Orleans, LA, March 2012.

- International Annual Conference of American Educational Research Association (AERA), New Orleans, LA, April 2011.
- Midwest Regional American Chemical Society Annual Meeting, Kearney, NE, October 2008.
- 20th Biennial Conference on Chemical Education, Bloomington, IN, August 2008
- Midwest Regional American Chemical Society Annual Meeting, Kansas City, MO, October 2007.
- Gordon Conference on Gaseous Ions, Ventura, CA, February, 2005
- Ion Chemistry Conference at UCLA Lake Arrowhead Conference Center, January 2004
- Ion Chemistry Conference at UCLA Lake Arrowhead Conference Center, January 2003
- Ion Chemistry Conference at UCLA Lake Arrowhead Conference Center, January 2002
- Ion Chemistry Conference at UCLA Lake Arrowhead Conference Center, January 2001

Workshops Attended

- Environmental Chemistry, NSF Center For Workshops in the Chemical Sciences (CWCS), Hampton, VA, May 2009.
- Advanced Logger Pro, 20th Biennial Conference on Chemical Education, Bloomington, IN, August 2008.
- New teaching methods in Physical and Analytical Chemistry, 20th Biennial Conference on Chemical Education, Bloomington, IN, August 2008
- Simple simulation techniques for senior project works, 20th Biennial Conference on Chemical Education, Bloomington, IN, August 2008.

Campus Activities

- Hastings College Student Affiliate Chapter of the American Chemical Society, Assistant Advisor 2007-present.
- Hastings College Advisor of students, 2008-present
- Hastings College Advocate, 2008-2009
- Hastings College Chapter AAUP member, 2007-present
- Hastings College Science Building Emergency contact, 2009-present
- Hastings College Cultural Diversity Advocate, 2008-present

Community Activities

- Volunteer at Kool-Aid Days celebrations.
- Volunteer at Health and Human Services in Hastings
- Volunteer at Catholic Social Services in Hastings

Referees

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