Victoria J. Geisler

Department of Chemistry

University of West Georgia

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### Education

1. Ph.D. Emory University, Atlanta, Georgia Organic Chemistry
2. B.S. State University of New York at Oswego Chemistry- ACS Certified

## Employment

2007-present Associate Professor College of Arts and Sciences University of West Georgia

2005-2007 Associate Dean College of Arts and Sciences University of West Georgia

2002-2005 Assistant Dean College of Arts and Sciences University of West Georgia

2000-2002 Associate Professor Department of Chemistry University of West Georgia

1995-2000 Chair Department of Chemistry University of West Georgia

1990-1995 Assistant Professor Department of Chemistry University of West Georgia

**External Funding Received**

2011 Camille and Henry Dreyfus Foundation, Special Grant Program in the Chemical Sciences, *Research experience via active collaboration with high schools (REACH)*, funded for $38,000 (co-PI, with PI Sharmistha Basu-Dutt, and co-PI’s Fujita and Stuart).

2008-2010 National Science Foundation's Science, Technology, Major Research Instrumentation (MRI), *Acquisition of a 300 MHz Nuclear Magnetic Resonance Spectrometer to Enhance Undergraduate Chemical Research,* $344,000, (co-PI, with PI Megumi Fujita, and co-PI’s Slattery and Ray).

2004-2008 NSF STEP, *Generating Enthusiasm for Math and Science at the University of West Georgia*, $877,093, 1/1/04-12/31/08, (PI, with Lea-Fox, Joyner, Rahman, Basu-Dutt, Bartley, Hasbun, Smith, Swamy-Mruthinti).

2003-2006 NSF REU, *REU Site:* *Research Experience for Two-year College Undergraduates in Chemistry*, $178,500 (co-PI with PI G. Ray).

2000-2002 NSF, CCLI-A&I, *Visualization and Computation in the Undergraduate Chemistry Curriculum*, $20,725, (co-PI w/. PI Basu-Dutt, and co-PIs S. J. Slattery, F. A. Khan, and J. H. Storer)

* 1. NSF REU, *Research Experience for Two-year College Undergraduates in Chemistry*, funded $165,000, (PI with A. Leavitt).
	2. University System of Georgia, Teaching and Learning Grant, *A Multi-tiered Approach to Teach Undergraduate Chemistry using Visualization and Computation: A Professional Development Grant*, $30,500, (with S.B. Dutt, S. Slattery, F. Khan, F. Orr, W. Lloyd, and Luise Strange).

1994-1996 NSF ILI*, Improvement of the Chemistry Curriculum through the use of FT-NMR Spectroscopy*. A Trust Fund grant brought the total amount to $123,650 (PI with co-PI Spencer Slattery).

**Five Publications (\* indicates undergraduate author)**

* *Making Chemistry Relevant to Science and Engineering Majors,* Julie K. Bartley, Sharmistha Basu-Dutt, Victoria J. Geisler, Farooq A. Khan and S. Swamy-Mruthinti, in “Making Chemistry Relevant: Strategies to Include all Students in a Learner-Sensitive Classroom Environment” ed. Sharmistha Basu-Dutt (John Wiley, **2010**), Chapter 9.
* *NMR Verification of Diastereoselective Reduction of Substituted Cyclohexanones,* J. W. Clavier, J. Fievet, and V. J. Geisler, *The Chemical Educator* **2000**, 4, 3-5*.*
* *Nitration of Polycyclic Aromatic Hydrocarbons Using a Supported Catalyst,* A. C. Smith, L. D. Narvaez, B. G. Akins, M. M. Langford, T. D. Gary, V. J. Geisler, and F. A. Khan, *Synthetic Communications,* **1999**, 29(23), 4187-4192*.*
* *Inhibition of Conversion of Skin Papillomas to Carcinomas by Sphingosine, N-Methyl Sphingosine and N-Acetyl Sphingosine,* D.F. Birt, A.H. Merrill Jr., T. Barnett, B. Enkvetchakul, P.M. Pour, D.C. Liotta, **V. Geisler**, D.S. Menaldino, and J. Schwartzbauer*, Nutrition and Cancer,* **1998**, 31(2):119-126*.*
* *Influences of Sphingosine on 2-Stage Skin Tumorigenesis in SENCAR Mice,* B. Enkvetchakul, T. Barnett, D.C. Liotta, **V. Geisler**, D. Menaldino, A.H. Merrill Jr, D.F. Birt, *Cancer Letters,* **1992**, 62, 35-42.

**Published Abstracts in Proceeding of Conferences**

*Structure Activity Relationship of Phenolic Antioxidants*,Evan Fowler, Taylor Payne, Michael Stevens, Cherie Grant, Alexandra Mayes, Samed Obeng, Edidiong Umoren and Victoria J. Geisler, – Southern Undergraduate Research Conference 2015 (SURC), The University of Alabama, February 2015.

*Structure Activity Relationship Study of Phenolic Antioxidants*, Samed Obeng, Annika Roberts, Brittany Scruggs and Victoria J. Geisler, 807, Posters: Undergraduate Research Organic/Medicinal Chemistry, SERMACS 2013, Atlanta, GA, November 16, 2013.

*Antioxidant capacity of substituted phenols*. D. D. Morgan, K. A. Eason, K. A. Gaston, V. J. Geisler, 66th Southwest Regional Meeting / 62nd Southeast Regional Meeting of the American Chemical Society, New Orleans, Louisiana, November 30 - December 4, 2010

*Generating Enthusiasm for Mathematics and Science (GEMS),* Victoria [Geisler](http://acs.confex.com/acs/serm09/webprogram/Paper74959.html#top) and Sharmistha Basu-Dutt , 61st Southeast Regional Meeting of the American Chemical Society, San Juan, Puerto Rico, October 21-24, 2009

*Antioxidant Capacity of EGCG and Related Compounds*,Erika D. Pollard , Kelsey A. Gaston, Aaron R. Gall, Lisa D. Babin, Jason Mayhew , Corrie Purser , Victoria Geisler, 61st Southeast Regional Meeting of the American Chemical Society, San Juan, Puerto Rico, October 21-24, 2009

*Arrow-pushing in first semester organic chemistry*, Victoria J. Geisler, 235th ACS National Meeting, New Orleans, LA, April 6, 2008

*An interdisciplinary forensics freshman seminar course*, Vickie Geisler, 20th Biennial Conference on Chemical Education, Bloomington, Indiana, July 29, 2008.

###### **Synergistic Activities**

PI for STEP Grant with a summer research component for freshman and sophomore science undergraduates (2005-2009).

PI and co-PI for REU program at West Georgia (1999-2001 and 2003-2006).

Mentored over a fifty undergraduate research students.

Supervised eighteen senior thesis projects.