

SHARRON K. JENKINS, PH.D.

Biophysical Chemist (PhD) | Health & Weight Loss Strategist (BioFit-360 Founder) | STEM Education Consultant & Curriculum Developer | Distance & Digital Learning Specialist | STEM Outreach & Equity Advocate

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Business Line: 678-765-9662



Executive Summary

1. Laboratory and Research Expertise:

- Led extensive analysis of trans-fat content in fast foods, packaged goods, and baked products, utilizing the InfraSpec Variable Filter Array (VFA) IR.
- Skilled in operating a broad range of laboratory instruments essential to chemistry and biochemistry research, including Nuclear Magnetic Resonance (NMR), Gas Chromatography-Mass Spectrometry (GC-MS), UV-Visible Spectroscopy (UV-Vis), and Fourier Transform Infrared Spectroscopy (FTIR).

2. Administrative Leadership:

- Served as Campus Director and Co-Principal Investigator (Co-PI) for an undergraduate research program funded by a \$3 million NSF LSAMP grant (2006–2011). Directed budgeting, faculty management, and student engagement to foster interdisciplinary STEM research.

3. Technology Integration & Distance Education:

- Developed innovative distance education and hybrid science curricula for international use, focusing on the integration of technology within STEM education for broad student accessibility.

4. Research Leadership Across Educational Levels:

- Designed and supervised graduate, undergraduate, and K-12 research projects, bringing real-world, publishable research experience into STEM classrooms through projects adapted for various academic levels.

5. Entrepreneurial & Community Outreach in STEM and Health:

- Founder of IRISE Research & Discovery Science and BioFit-360—two initiatives that extend my faculty-led STEM and health outreach into the community. Both programs translate academic research into accessible science and wellness education for K–12 students and adults. www.BioFit-360.com | www.IRISDiscovery.com



EDUCATION

1992-1997 Ph.D. Chemistry (Biophysical major). Loyola University of Chicago, Chicago IL, *Dissertation title:* pH and Osmolality Effects on Lipid- enhanced Sickle and Normal Hemoglobin Oxidation, *Research Advisor:* Dr. Leslie Fung, GPA 3.7 (4.0 scale)

1987- 1991 B.S. Chemistry. North Carolina A&T State University, Greensboro

EMPLOYMENT HISTORY

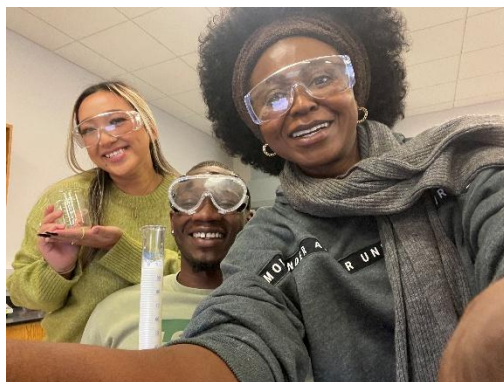
2011 - 2024 Full Professor of Chemistry. Georgia Gwinnett College, Lawrenceville, Ga. Responsibilities: Teaching general chemistry courses, undergraduate mentoring/advising, research, and university committees (promoted in 2021).

2009 - 2020 Limited Term Lecturer/Online STEM Curriculum Development. Purdue University Northwest, Indiana. Developed and Implemented nationally/internationally synchronized science course AIDS Online International (AOI) and Chemistry Online (with original home labs). Several additional courses are being developed with the potential for world-wide collaboration. AOI is an Internationally Synchronized College-Credit Course on HIV/AIDS Education, Prevention, and Behavioral Research. AOI was taught at the University of KwaZulu Natal (Durban South Africa) for 5 years. Responsibilities: Oversee the overall operation and delivery of the course and course material.

4/10 – 5/11 Tenured Associate Professor of Chemistry. Purdue University North Central, Westville, Indiana. *Responsibilities:* Teaching general chemistry courses, course and curriculum development, research, and university committees.

7/09 – 8/2020 Lecturer/Author/Chemistry Online. Purdue University North Central, Westville, Indiana. Chemistry online is an online introductory general chemistry course with original “home- labs”. *Responsibilities:* Author of all course material including home labs; oversee the overall operation and delivery of the course and course material

- 8/07 – 5/11 Director of PNC LSAMP program.** Purdue University North Central, Westville, Indiana. *Responsibilities:* LSAMP is a 3 million dollar NSF funded program awarded to Purdue University and 6 Indiana campuses to recruit, retain, and support minority students pursuing undergraduate and graduate degrees in science, technology, engineering and mathematics.



- 8/07 – 4/10 Assistant Professor of Chemistry.** Purdue University North Central, Westville, Indiana. *Responsibilities:* Teaching general chemistry courses, course and curriculum development, research, and university committees.
- 8/05 – 5/06 Visiting Assistant Professor of Chemistry.** Purdue University North Central, Westville, Indiana. *Responsibilities:* Teaching general chemistry courses, course and curriculum development, research, and university committees.
- 2004 - 2005 Chemistry Teacher.** Hillside Highschool, Durham, NC. *Teaching Responsibilities:* Developing/Teaching chemistry courses for 11th and 12th grade
- 2003 - 2004 Chemistry Faculty.** North Carolina School of Science & Math, Durham, NC. *Teaching Responsibilities:* Developing/Teaching college credit chemistry courses for 11th and 12th grade gifted students in science.
- 1998–2003 Professor of Biophysical Chemistry.** Columbia College Chicago, Chicago, IL. *Teaching Responsibilities:* Chemistry in Daily Life, The Biology of AIDS, and College Algebra, summer Bridge Program (first year students). *Professional Development Activities:* publication of a chemistry science kit, science course development, college committees, science conferences, workshops, & presentations. *Note: All full-time tenure-track were given the title Professor of ...*
- 1998–1999 Science & Math Instructor.** Greater West Town Academy, Chicago, IL *Responsibilities:* Development of science and math GED preparation courses; assist in the development and administration of school policies
- 1993–1995 Graduate Teaching Assistant.** Loyola University of Chicago, Chicago, IL *Responsibilities:* Instructor of organic chemistry laboratory
- 1992–1993 Teaching Assistant.** North Carolina A&T State University, Greensboro, NC
- 1991–1992 Graduate Research Assistant.** North Carolina A&T State University, Greensboro, NC; *Responsibilities:* Characterization of Copper Complexes using EPR.
- 1988–1991 Undergraduate Research Assistant.** North Carolina A&T State University, Greensboro, NC
- Summer 1989 Intern Research Assistant.** New York Department of Health, Albany, NY *Responsibilities:* Improving Lead determination in Urine using Atomic Absorption Spectroscopy

ENTREPRENEURIAL HISTORY

2024 – Present Founder & Director, Community-Based STEM & Health Outreach Initiatives.

Charlotte, NC | IRISDiscovery.com | BioFit-360.com

As a professor, I have long integrated community outreach into my academic role—bringing students to campus for hands-on research and leading STEM and health education initiatives beyond the classroom. These efforts have evolved into two formal programs:

- **IRISE Research & Discovery Science:** A K–12 STEM initiative that transforms real college-level research into accessible experiments for schools, camps, and libraries. Focuses on improving STEM literacy through culturally relevant, publishable science projects.
 - Overview: youtu.be/5kWHsHhaoA
- **BioFit-360: The Metabolic Reset:** A holistic health education platform combining biochemistry, metabolic research, and behavior change strategies to address chronic illness through nutrition, fasting, and lifestyle science.
 - Overview: <https://youtu.be/qQEhbPQfAY0>

These initiatives extend my academic service into the community, reinforcing my commitment to public science education, equity, and translational health communication.



GRANTS & AWARDS

2015

STEM Mini-Grant Recipient

Co-Pi on a STEM mini-grant entitled: “College Algebra/Backwards-Forwards Framework”. In this project 5 original chemistry research labs were developed and integrated into college algebra, MATH 1111. Student learn math via a series of chemistry labs.

2014

Co-Pi GGC STEM Mini Grant

Title: College Algebra/Backwards-Forwards Framework; Project goal: improve students’ perceptions of the usefulness and relevance of college algebra in STEM fields and improve overall performance in algebra.

- 2007-2011 Co-Principle Investigator.** LSAMP Indiana NSF grant
*Total Grant amount: \$3,000,000 * PNC grant amount: \$186,000*
Description: Eight universities wrote a joint NSF proposal for a project called LSAMP Indiana which is designed to support minority students pursuing undergraduate and graduate degrees in science, technology, engineering and mathematics disciplines. The PNC LSAMP program's goal is to recruit, retain, and support minority students in science.
- Summer 2007 Faculty Research Grant Recipient.**
Grant amount: \$7,000. *Description:* Support the development on an international course of AIDS. Project title: "AIDS Online International: An International Model for HIV/AIDS Education, Prevention and Behavioral Research".
- 2001 Grant Recipient/writer for Inner Vision International, Inc. (2001).** Grant amount: \$35,000* *Description:* Development of written material for science/math tutoring program within Chicago Public Schools.

PUBLICATIONS: JOURNALS, BOOKS, ARTICLES, ETC

- 2024** 2024 Jenkins, S. (2024). **BioFit-360: Part 1 The Manual**, SKJenkins, LLC. Available on Amazon and <https://www.biofit-360.com/books>.
- 2024** 2024 Jenkins, S. (2024). **BioFit-360: Part 2 The Fasting Protocols**, SKJenkins, LLC. Available on Amazon and <https://www.biofit-360.com/books>.
- 2024** 2024 Jenkins, S. (2024). **BioFit-360: The Cookbook**, SKJenkins, LLC. Available on Amazon and <https://www.biofit-360.com/books>.
- 2024 In Progress (Available Jan 2025)**
1. 2024 Jenkins, S. (2024). **Zakiah and Professor Jenkins, The Milk Project: Extracting Protein and Fat from Milk**. Question: Which Milk is the Healthiest to Drink? SKJenkins, LLC. (Available on Amazon)
 2. 2024 Jenkins, S. (2024). **Zakiah and Professor Jenkins, The Water Quality Project**. Question: Is My Home Drinking Water Safe to Drink? SKJenkins, LLC. (Available on Amazon)
 3. 2024 Jenkins, S. (2024). **Zakiah and Professor Jenkins, The Red Cabbage Project**. Question: Why Does Red Cabbage Juice Turn Red When Mixed with Soda Pop? SKJenkins, LLC. (Available on Amazon)
 4. 2025 Jenkins, S. (2025). **Zakiah and Professor Jenkins, The Lung Capacity Project**. Question: Is There a Correlation Between Lung Capacity and Age, Height or Size? SKJenkins, LLC. (Available on Amazon)
- 2022** Jenkins, S. (2022). Zakiah and Professor Jenkins, skjenkins, llc, [Available on Amazon, https://www.irisediscovery.com/](https://www.irisediscovery.com/)
- 2021** Jenkins, S., Schmidt, M, Elkovich, J., Erickson, K. (2021). " AIDS ONLINE INTERNATIONAL (AOI): The Impact of an HIV/AIDS Online College-Credit Course on HIV-Related Knowledge, Attitudes, Beliefs, and High Risk Behaviors", *The International Journal Of Health, Wellness, And Society*, Vol 11 (1), 97 -118, DOI: <https://doi.org/10.18848/2156-8960/CGP/v11i01/97-118>

- August 2020** Jenkins, S. (2020). HIV/AIDS Education and Prevention: Digital Edition 1, skjenkins, llc, (Live Digital publication); <https://www.flipsnack.com/7B5EB8DEFB5/hiv-aids-education-and-prevention-the-science-of-hiv-aids/full-view.html> (Full Version of the Book, original hard copy was reviewed by a colleague in Africa and used at Purdue since 2009)
Updated Publication 2024: <https://simplebooklet.com/aidsbook2020digitalpublicati>
- 2020** Jenkins, S. (2020). The Science of HIV/AIDS: The Chemistry of HIV, skjenkins, llc, (Live Digital publication); <https://www.flipsnack.com/7B5EB8DEFB5/the-science-of-hiv-aids-volume-1/full-view.html> (original hard copy was reviewed by a colleague in Africa and used at Purdue since 2009)
Updated Publication 2024: <https://simplebooklet.com/chemicalstructureofhivvolume>
- 2020** Jenkins, S. (2020). The Science of HIV/AIDS: The Life Cycle of HIV, skjenkins, llc, (Live Digital publication); <https://www.flipsnack.com/7B5EB8DEFB5/hiv-aids-education-prevention-the-life-cycle-of-hiv/full-view.html> (original hard copy was reviewed by a colleague in Africa and used at Purdue since 2009)
Update Publication 2024: <https://simplebooklet.com/thehivlifecycledigital>
- 2020** Jenkins, S. (2020). Adventures in Laboratory Science: Digital Flipbook: <https://www.flipsnack.com/7B5EB8DEFB5/adventures-in-laboratory-science-digital/full-view.html>
Updated 2024: <https://simplebooklet.com/adventuresinlaboratoryscience>
- 2017** Jenkins, S. (2017 & 2018). Adventures in Laboratory Science, *Sentia Publishing*, (Book/lab manual). A pdf version of the book is location in the Scholarship Folder. The book is over 400 pages of research labs designed specifically for online home-based chemistry courses. All labs are original labs written over a period of 10 years or more. The labs had to be revised significantly for publication.
- 2016** Suleman, F. and Jenkins, S. (2016). Assessing the effect of an online HIV/AIDS course on 1st-year pharmacy students' knowledge, *Afr J Health Professions Educ* 2016;8(1 Suppl 1): 108-112. DOI:10.7196/AJHPE.2016.v8i1.750
- 2015** Jenkins, S. and Patty, C. (2015). An Infraspac VFA-IR spectrometer analysis of Trans-fat content in glazed donuts purchased from supermarkets, convenience stores and bakeries, *Current Chemistry Letters* , (4) 127–132, http://www.growingscience.com/ccl/Vol4/ccl_2015_6.pdf
- Aug 2014** Jenkins, S., Campbell, P., Burch, C. (2014). Are Fast Food “Trans-Fat” Claims True? An Infraspac VFA-IR Spectrometer Analysis of Trans-fat content in select food items purchased from Long John Silver's, *Current Chemistry Letters* , (3) 195-200. http://www.growingscience.com/ccl/Vol3/ccl_2014_15.pdf
- Aug 2013** Jenkins, S (2013), College-Prep Chemistry: Research & Discovery Lab Kit; Item# SK-CPCHERD; Home Science Tools, Billings, MT: <https://www.homesciencetools.com/product/college-prep-chemistry-r-and-d-labs-kit/#description-anchor>. This is a custom chemistry kit designed to accompany the lab book, “Adventures in Laboratory Science”. The kit contains 26 the laboratory items needed to complete the labs published in the textbook

- 2012** Jenkins, S., Campbell, P., Flippin, L., Helsel, N., Sieradzki, C., Haro, J. & Muthusamy, B. (2012). Are fast food “trans-fat” claims true? An infrared spectrometer analysis of trans-fat content in fast food French fried potatoes. *Proceedings of the Indiana Academy of Science*, 121(1), 8–16
<https://journals.iupui.edu/index.php/ias/article/view/21031/20449>
- 2009** Jenkins, S., Suleman, F. Rashid, J., Mbaezue, N., Jenkins Cartwright, G., Quinn, V. (2009). "AIDS Online International (AOI): An Internationally Synchronized College-Credit Course on HIV/AIDS Education, Prevention, and Behavioral Research - A Pilot Study for International Collaboration", *Proceedings of International Conference of Education, Research and Innovation (ICERI2009) Conference*, pg 3161-3170; ISBN:978-84-613-2955-7
- Aug. 2009** Cherif, A., Michel, L, Movahedzadeh, F., Araon, R., Adams, G., Jenkins, S. (August 2009), “Defending the Lowly Prokaryotes: New Challenges for *biogaea*”, *The American Biology Teacher*, 71:6; 2009
- 2009** Jenkins, S. (2009), AIDS Education and Prevention, Authorhouse Publishing
- 2009** Jenkins, S. (2009), AIDS Education and Prevention Workbook, Authorhouse
- June 2008** Rashid, J. and Jenkins, S. (June 2008), “The Influence Of Culture On Negotiations In South Africa: An Attempt To Promote International Collaborative Dialogue And Research”, Mediate.com; not a “standard peer-reviewed publication”. Mediate.com is an online publisher on collaborative mediation, the world’s leading dispute resolution web site.
- 2007** Mader, S. and Jenkins, S. (2007), “AIDS Supplement” in S. Mader’s Human Biology, McGraw- Hill, p343-350. Human Biology is one of McGraw-Hill’s bestselling text in human biology. Dr. Jenkins was asked to re-write the supplement with updated revisions.
- 2007** Jenkins, S. (2007), a “bioethical focus” article publication entitled “AIDS- A Natural Disaster” in S. Mader’s Human Biology, McGraw-Hill, p352.
- 2007** Jenkins, S. (2007), a “health focus” article publication entitled “Urine Analysis” in S. Mader’s Human Biology, McGraw-Hill, p196.
- 2007** Jenkins, S. (2007), a “Science Focus” article publication entitled “Is an AIDS Vaccine Possible” in S. Mader’s Human Biology, McGraw-Hill, p351.
- 2007** Cannon, C., Jenkins, S., Budy, B., Siuda, J., Cherif, A. (2007) Catalyst, Pearson Custom Publishing (custom published a textbook)
- 2007** Cannon, C., Jenkins, S., Budy, B., Siuda, J., Cherif, A. (2007) Organic Chemistry for Liberal Arts and Communication, Pearson Custom Publishing (Editors of custom published text).
- 2006** Abour, C., Jenkins, S., et. al., (2006), Microbiology & Chemistry: An Integrated Approach, Pearson (custom publishing).
- 2003** Jenkins, S. (2003), African American Health Disparities, McGraw-Hill (book).

- 1997** Jenkins, S.K., Fung W.-M. (1997), "pH and Osmolality Effects on Lipid-enhanced Sick and Normal Hemoglobin Oxidation", dissertation published by UMI (publication).

Other Publications: Refereed Abstracts, Kits

- 2008** Jenkins, S. (2008), "AIDS Online International: Developing an International Model for AIDS Education, Prevention, and Behavioral Research – A Pilot Study ", XVII International AIDS Conference Abstract Publication, 2:455 (TUPE049 2).
- 2008** Helsel, N., Higgins, B, and Jenkins, S (2008), "Quality of oil extracted from fast food French fries", 236th ACS National Meeting Abstract Publication.
- 2008** Co-wrote a Chemistry Course Curriculum Guideline/Document for Devry, Spring 2008.
- 2008** Co-wrote an Organic I Chemistry Course Curriculum Guideline/Document for Devry, Fall 2008.
- 2008** Co-wrote an Organic II Chemistry Course Curriculum Guideline/Document for Devry, Fall 2008.
- 2008** Co-wrote a Biochemistry Chemistry Course Curriculum Guideline/Document for Devry, Fall 2008.
- 2007** Jenkins, S. (2007), "AIDS Online International: Developing an International Model for AIDS Education, Prevention, and Behavioral Research", 2007 National HIV Prevention Conference Abstract Publication, pg418.
- 2002** Jenkins, S.K., Cherif, A.H., Siuda, J.E., (2002), "Learning Activities using Everyday Oils", A NeoScience Chemistry Kit.
- 1996** Dias, M.N., Jenkins, S.K., Fung, W.-M. (1996)., "Kinetics of the Oxidative Reactions in Hemoglobin/Lipid Vesicle Mixtures". Biophysical Journal, 98:A145; 1996 (Abstract).
- 1995** Dias, M.N., Jenkins, S.K., Fung, W.-M. (1995), "*Kinetics of the Oxidative Reactions in Hemoglobin/Lipid Vesicle Mixtures*". Biophysical Journal, 68:A85; 1995 (Abstract).

CONFERENCE PRESENTATIONS & PAPERS DELIVERED

- 2020** Atkinson, A., Lively, A., Jenkins, S. (2020). "Viewing Mathematics Through a Laboratory Lens", 2020 AMATYC Annual Conference, December 1, 2020
- 2019** Atkinson, A., Lively, A., Jenkins, S. (2019). *Workshop/Lecture*: "Students Ask, "Where Am I Ever Going To Use This? - Mathematics in Action Labs", 2019 AMATYC Annual Conference (S103), Milwaukee, Wisconsin, November 14-17, 2019
- 2019** Jenkins, S. (2019). *Oral Presentation*: ""AIDS Online International (AOI): An Online College-Credit Course on HIV/AIDS Education, Prevention and HIV-Related Risk Behaviors of Student Participants", 2019 Health, Wellness & Society Conference, University of Berkeley, Berkeley, California, September 19-20, 2019
- 2018** Atkinson, A., Lively, A., Jenkins, S. (2018). *Poster*: "Engaging Algebra Students Using MiA (Mathematics in Action) Labs", 2018 AMATYC Annual Conference, Orlando, Florida, November 15- 17, 2018

- 2018** Rashid, J., Jenkins, S. (2018). *The perceived Influence of Culture on Negotiations with Higher Education Institution in South Africa*, 4th Annual Contemporary Issues in Transformative and Innovative (CITI) Leadership Conference. (Oral Presentation), North Carolina A&T State University, N.C., Oct 18 – 21.
- 2017** Birx, D, Jenkins, S. et al, (October of 2017) Guest panelist in a roundtable discussion on HIV/AIDS. (Deborah L. Birx, M.D., U.S. global AIDS coordinator & response coordinator for White House Coronavirus Task Force).
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- 2017** Atkinson, A., Lively, A., Jenkins, S. (2017). "Engaging Algebra Students Using MiA (Mathematics in Action) Labs", 2016 AMATYC Annual Conference, Denver, Colorado, November 17, 2017
- 2016** Atkinson, A., Lively, A., Jenkins, S., Roberts, L., Winger, A. (2016). " Engaging Corequisite College Algebra Students Using MiA (Mathematics in Action) Labs", 29th Annual Georgia Perimeter College Mathematics Conference, Georgia Perimeter College, Clarkston Ga, February 19, 2016
- 2015** Jenkins, S (2015). "The Vitamin C Lab - Designed for Home or Traditional Lab Setting - Workshop", *ChemEd 2015 Conference*, Kennesaw State University, Kennesaw, Ga, July 28 – August 1, 2015
- 2015** Jenkins, S (2015). "Home-Based Chemistry Labs for an Online General Chemistry Course – Oral Presentaton", *ChemEd 2015 Conference*, Kennesaw State University, Kennesaw, Ga, July 28 – August 1, 2015
- 2013** Suleman, F., Jenkins, S (2013). AIDS Online International (AOI): an online college-credit course on HIV/AIDS education, prevention, and behavioral research – does it have an impact? *FIP World Congress 2013*, Dublin, Ireland, August 31- September 5, 2013 (presented by F. Suleman)
- 2012** Jenkins, S., Burch, C., et. al. (2012) Are fast food "trans-fat" claims true? An Infraspex VFA-IR spectrometer analysis of trans-fat content in fast food French fries. 64th *Southeastern Regional Meeting of the American Chemical Society*. Raleigh, NC, SERM1365
- 2012** Jenkins, S., et al. (2012). %*Trans*-fat in select food items purchased from Long John Silver's: A Preliminary Study. 64th *Southeastern Regional Meeting of the American Chemical Society*. Raleigh, NC, SERM1368
- 2012** Jenkins, S., et al. (2012). "%*Trans*-Fat in donuts purchased from supermarkets, gas stations, and bakeries: A preliminary study". 64th *Southeastern Regional Meeting of the American Chemical Society*. Raleigh, NC, SERM1394
- 2009** Jenkins S., Suleman F., Rashid J., Mbaezue N., Cartwright G., "Aids online international (AOI): an internationally synchronized online college-credit course on HIV/AIDS education, prevention, and behavioral research - a pilot study for international collaboration", *International Conference of Education, Research and Innovation (ICERI 2009)*, Madrid (Spain); Collaborative research between Purdue University North Central, University of KwaZulu Natal (SOUTH AFRICA), North Carolina A&T State University (U.S.), Morehouse School of Medicine (U.S.), and Livingstone College (U.S.)

- Nov. 2009** Mbaezue N., Jenkins S., Aladesanmi O. Implementing HIV/AIDS Tele-education in Nigerian Tertiary Institutions, *3rd IAA Africa Regional Conference - Space for Africa: "Joint Participation, Knowledge Development and Sharing"*, Nov. 24-26, 2009, Abuja, Nigeria (presented by N. Mbaezue).
- Aug. 2009** Jenkins, S. (2009) "An Online HIV/AIDS Course Reduces HIV-related Risky Behaviors of College Students – A Pilot Study" Abstract submitted to the 2009 CDC National HIV Prevention Conference.
- 2008** Jenkins, S. (2008), "AIDS Online International: Developing an International Model for AIDS Education, Prevention, and Behavioral Research – A Pilot Study ", XVII International AIDS Conference Abstract Publication, 2:455 (TUPE049 2).
- Dec. 2007** Jenkins, S. and Higgins, B. (Dec. 2007)"*AIDS Online International: Developing an International Model for AIDS Education, Prevention, and Behavioral Research*". Poster presentation at the 2007 National HIV Prevention Conference Jenkins, Atlanta, Ga.
- 2002** Jenkins, S. *Cyberspace: A Web-based Science Class* (2002). Oral Presentation given at the Association of College and University Biology Educator (ACUBE) Conference, Columbia College Chicago, Chicago, IL.
- Mar. 2001** Jenkins, S., et al. *Learning Activities using everyday oils* (March 2001), Oral presentation given the National Science Teacher's Association, St. Louis, Missouri.
- 1996** Dias, M.N., Jenkins, S.K., Fung, W.-M. (1996). "Kinetics of the Oxidative Reactions in Hemoglobin/Lipid Vesicle Mixtures". Poster presentations given at Biophysical Society annual meeting. San Francisco, Ca.
- 1995** Dias, M.N., Jenkins, S.K., Fung, W.-M. (1995), "*Kinetics of the Oxidative Reactions in Hemoglobin/Lipid Vesicle Mixtures*". Poster presentation given at Biophysical Society annual meeting, Baltimore, MD).

Conference Papers Delivered by Dr. Jenkins' Undergraduate Research Students

- 2009** Campbell, P. and Jenkins, S (2008), "Are fast food "trans-fat" claims true? An attr-tfir analysis of *trans-fat* content in fast food french fries". Oral presentation given at the Fifth Annual LSAMP AGEP Joint Research Conference, Indiana University, Bloomington, Indiana (freshmen research project under Dr. Jenkins mentorship).
- 2009** Helsel, N., Frank, L., Westenfeld, and Jenkins, S. (2009), "*%Trans-Fat in Fast Food French Fries*". Poster presentation given at the Annual Undergraduate Butler Conference, Butler University, Indianapolis, IN (freshmen research project under Dr. Jenkins mentorship).
- 2008** Helsel, N., Dudley, A. and Jenkins, S (2008), "Quality of oil extracted from fast food French fries", 236th ACS National Meeting Abstract Publication.
- 2008** Helsel, N. and Jenkins, S (2008), "*Quality of Oil Extracted from Fast Food French Fries*". Poster presentation given at the Fourth Annual LSAMP AGEP Joint Research Conference, Indiana University, Bloomington, Indiana (freshmen research project under Dr. Jenkins mentorship).
- 2007** Helsel, N. and Jenkins, S (2007), "*Quality of Oil Extracted from Fast Food French Fries*". Poster presentation given at the Annual Undergraduate Butler Conference, Butler University, Indianapolis, IN (freshmen research project under Dr. Jenkins mentorship).
- 2007** Higgins, B., Galindo, C. and Jenkins, S (Nov. 2007). "Quality of Oil Extracted from

Fast Food French Fries". Poster presentation given at the Third Annual LSAMP AGEP Joint Research Conference, Indiana University, Bloomington, Indiana (freshmen research project under Dr. Jenkins mentorship)

ADDITIONAL ACTIVITIES: LECTURES, PRESENTATIONS, WORKSHOPS

- November 2024** **Health Science Presentation & Workshop: 2024 Jenkins, S. Healing from the Inside Out: A Metabolic Approach to Whole-Body Wellness.** Restructuring The Church Conference 2024 hosted by Gospel Awakening TV, Goldsboro Raleigh Assembly Center, Goldsboro, NC. (November 9, 2024).
- March 2024** **Health Presentation: 2024 Jenkins, S. Healing from the Inside Out: A Metabolic Approach to Whole-Body Wellness.** Black Family Health & Wellness Expo, hosted by The Carolina Pines NC of the Links, Inc., Mount Zion Missionary Baptist Church, Salisbury, NC. (March 23, 2024).
- 2022** **Special Guest, Spectrum News:** Appeared on Spectrum News to discuss STEM IRISE and the Zakiah & Professor Jenkins Storybook series. The segment emphasized the impact of STEM storybooks on young learners and the importance of integrating science into early education.
- 2022** **PBS LaPorte County Special, IRISE STEM County Boot Camp:** Featured in a PBS Special that showcased the IRISE STEM boot camp, which was live-streamed to five libraries in LaPorte County, Indiana. The program focused on engaging youth in STEM education through interactive research projects.
- 2021** **Featured Guest, GodRadio1.com (October 2021):** Participated in an in-depth interview discussing the latest single release in collaboration with Maya Angelou, along with STEM and health initiatives aimed at community education and wellness.
- 2021** **TV Interview & Featured Guest, Coffee and Small Talk with Denise Techener, Inspired Living Network (Oct 26 – Nov 1, 2021)**
Engaged in a televised discussion on STEM initiatives and research successes. The show aired over a week, highlighting various STEM topics and achievements in education and research.
- 2020** **Awardee & Participant:** Jenkins, S. Mobile Summer Institute on Scientific Teaching. Georgia Gwinnett College, Lawrenceville, GA. Sponsored by Yale University's Mobile Summer Institute on Scientific Teaching. (May 13–17, 2019).
- 2012** **Moderator and Panelist:** Selected to serve on 2 different panels of "successful/celebrity" African-Americans in TV, film, Art, Music, Science, etc.; panel topic "*Legacy Series: A call to Womanhood & A Call to Manhood*"; National Black Alumni Hall of Fame Conference, National Black Alumni Hall of Fame Conference, NBCA Hall of Fame, Atlanta, Ga, 2012
- 2012** **Workshop:** Higher Education and Giving Back, National Black Alumni Hall of Fame Conference, NBCA Hall of Fame, Atlanta, Ga, 2012
- 2009** **Invited Speaker.** Valparaiso Rotary Club, Valparaiso, Indiana. *Topic:* Understanding the AIDS Epidemic: Who's at Risk? October, 2009

- 2008** **Invited Speaker.** Michigan City Rotary Club, Michigan City, Indiana. *Topic:* Understanding the AIDS Epidemic: Who's at Risk? September
- Summer 2008** **Science Lab Workshop.** Conducted 4 chemistry lab workshops for Michigan City science teachers. Several original activities were written and teachers were trained on how to perform the activities. Program sponsored by Michigan City Schools and Dr. Hainaj,
- Feb. 15, 2008** **HIV/AIDS Lecturer/Speaker.** N.C A&T Health and Safety conference, Greensboro, N.C.
- Feb. 23, 2008** **Invited Speaker/Presenter.** New Hope Missionary Baptist Church, Raliegh, N.C. *Topic:* Understanding the AIDS Epidemic: Who's at Risk?
- Nov. 11, 2007** **Invited Lecture/Presentation.** Harold Washington College, Topic: Understanding the AIDS Epidemic: Who's at Risk? Chicago, IL.
- Oct. 18, 2007** **Speaker/Presenter.** Rotary Club of Michigan City, Topic: Understanding the AIDS Epidemic: Who's at Risk?
- Oct. 2007** **Speaker/Presenter.** North Carolina A&T State University, Presentation, Topic: HIV Prevention Online, Greensboro, N.C.
- Sept. 2007** **Speaker/Presenter.** Morehouse School of Medicine, Topic: HIV Prevention Online, Atlanta, Ga.
- Aug. 2007** **Invited Lecture/Presentations.** HIV/AIDS Prevention Initiative in South Africa & U.S., Presentation Topic: HIV Prevention Online, South African Institutions:
- University of Kwazulu-Natal, Durban, South Africa, <http://www.ukzn.ac.za>
 - University of Johannesburg, Johannesburg, South Africa, <http://www.uj.ac.za/>
 - University of South Africa (UNISA), Pretoria, South Africa, <http://www.unisa.ac.za/>
 - Morehouse School of Medicine, Atlanta, GA, U.S., <http://www.msm.edu/>
 - Harold Washington College, Chicago, IL, U.S., <http://hwashington.ccc.edu/>
 - NC A&T State University, Greensboro, N.C., <http://www.ncat.edu/>
 - Mindset Health/Network, Johannesburg, South Africa, Reaches about 13500 students/300 health institutions (hospitals/clinics) in the country, www.mindset.co.za
 - Ithembalabantu Clinic, Umlazi ,Durban, South Africa
- Spring 2007** **Health Fair Presenter/Participant.** Michigan City High School, Represented the HIV/AIDS program for the American Red Cross.
- 2005** **Health Workshop.** National Black College Alumni Hall of Fame *Topic: African American Health Disparities: This is an annual meeting of student leaders and alumni of Historically Black Colleges and Universities to help support higher education among minorities,* Atlanta, Georgia.
- 2005** **Health Workshop/Seminar.** *Topic: Health and The African American Woman,* Watts Chapel Women's Conference, Raleigh, North Carolina.

- 2005** **Health Workshop/Speaker.** *Topic: African American Health and the College Student*, Chemistry Honors Society, North Carolina A&T State University, Greensboro, NC.
- Feb. 2004** **Featured TV Guest.** Local televised talk show, “Tarheel Talks”, Fox50, Raleigh, N.C., Topic: African American Health Disparities.
- Feb. 2004** **Special Guest on WRAL TV.** Channel 5 morning news, Topic: African American Health Disparities.
- 2004** **Health Workshop.** Black History Month Tour as author of African American Health Disparities (Book). Borders Books and Music, Raleigh, Greensboro, and Winston-Salem, NC.
- Nov. 14, 2003** **Featured Speaker/Presenter.** NC A&T State University Health Conference, “African American Health Disparities”, Greensboro, NC.
- July 2003** **Health Workshop.** Borders Books and Music, Chicago, IL.
- 2002** **Speaker and Co-organizer of Health workshop.** *Topic: “There’s Healing in Music: Gospel Music Workshop and Health Fair”*, United For One Cause Health/Music Workshop, Kenwood Academy, Chicago, IL.
- 2002** **Featured Speaker/Presenter.** National Women’s Advisory Committee Training Conference (Social Security Administration), “Women, Diverse, & United”, Wyndham Ambassador West, Chicago, IL.

HONORS

- Jan. 2010** **Michigan City News Dispatch Recognition.** Recognized in the Michigan City News Dispatch (newspaper) for contribution to Martin Luther King Day Celebrations.
- Feb. 2008** **Michigan City News Dispatch Recognition.** Featured on the front page of the Michigan City News Dispatch for studies in Black health and accomplishments.
- April 2007** **Michigan City News Dispatch Recognition.** Recognized in the Michigan City News Dispatch (newspaper) conducting science lab experiments for PNC College Bound eight graders
- July 2007** **American Red Cross Recognition.** Recognition by the LaPorte County American Red Cross (local newspapers, etc) for exceptional contributions in AIDS education and training, “The Times” (Regional Newspaper)
- Sept., 2007** **Faculty Seeds for Success Award.** In the Fall of 2007, Dr. Jenkins and her colleagues were recognized at the Seeds for Success Luncheon for receiving a three million dollar grant (LSAMP Indiana).
- 1993-1996** **Graduate Assistance In Areas Of National Need (GAANN) Fellowship Recipient.** Awarded full tuition Graduate School Scholarship
- 1993–1995** **Selected Participant in the 1993 Princeton Lectures on Biophysics.** Princeton University, Princeton, NJ
- Fall 1991** **Jet and Ebony Magazine Recognition.** Featured Jet and Ebony Magazine for academic accomplishment as an undergraduate student.

Curriculum Vitae – Aug 2025
National Association of Science
American Chemical Society
American Mathematical Association of Two-Year Colleges

Past Memberships
International AIDS Society
Indiana Academy of
Sciences
American Public Health Association
Association of College and University Biology
Educators Illinois Science Teacher Association
Biophysical Chemistry Society

UNIVERSITY COMMUNITY SERVICE

Georgia Gwinnett College Committees

2014 – Present	Chair, CHEM099 Chemistry Discipline Sub-committee
2014 – Present	STARS committee
2013 – Present	Chair of Chemistry Faculty Search Committee
2011 – Present	Interdisciplinary Science Program
2011 – Present	Integrated Lab, Bioinorganic, and Instrumental Analysis Course Outcome Goal Team member
2011 – 2012	Student Affairs Faculty Committee

PNC University Committees

2007 – 2011	Director of PNC LSAMP Program
2008 – 2011	Distance Learning Strategic Plan
2008	Adhoc Committee for Email
2008 – 2011	ITAC Committee (Instructional Technology)
2008 – 2011	Diversity Committee
2008 - 2010	Grievance Hearing Committee
2007 – 2008	Service Barriers Committee
2007 – 2011	Martin Luther King Day Celebration Committee
2007 – 2008	Distant Education Committee
Spring 2007	Dean Search Committee for College of Liberal Arts
2006 – 2007	Faculty Affairs Committee

PUBLIC COMMUNITY SERVICE

2015	National Black College Alumni Hall of Fame Conference Planning Committee, Chair of Past Queens Sub-committee, Volunteer and conference participant
2011 - Present	Volunteer, National Black College Alumni Hall of Fame Conference, Atlanta, Ga. This organization provides scholarships and personal development workshops for students attending historically black colleges and universities across the nation.

- 2013** Science Fair Judge: McKendree Elementary’s Sixteenth Annual Science Fair. Friday, January 25th, 2013
- 2013** Volunteer, McKendree Elementary Family Science Night (and training), December 10th, 2013.
- Summer 2009** **Summer Science Outreach Initiative.** Dr. Jenkins participated in Michigan City Area Schools Summer Program for students 3rd through 8th grade. Dr. Jenkins developed a research and discovery 3-week lab, “Be a Food Detective: Research and Discovery”. This analyzing the percent vitamin C, water, and sugar in juice extracted from fresh fruits and vegetables.
- Summer 2008** **Summer Science Outreach Initiative.** Dr. Jenkins participated in a 4-week Michigan City Area Schools Summer Program for students 6 through 8th grade. Dr. Jenkins developed a series of lab activities for the program. (Also stated in under Part IV).
- Summer 2008** **Summer Science Outreach Initiative.** Dr. Jenkins participated in a summer training program for Michigan City science teachers. She developed and trained the teachers to do original lab activities for middle school students.
- May 1, 2008** **Presenter/Participate.** Michigan City High School Health Fair. Michigan City, Indiana.
- Jan 19, 2008** **MLK Community Event Organizer.** Collaborated with NAACP and Michigan City local faith based groups to organize a MLK day evening program.
- 2007** **Event Organizer.** American Red Cross HIV/AIDS Instructor Training at PNC – organized an HIV/AIDS instructor training program for the American Red Cross. Several LaPorte County nurses and health professional received a HIV/AIDS instructor certification in a 2-day training at PNC.
- 2007-2008** **Quality of Life Council.** The council is an organization composed of individuals from various professions working together to create a better, more sustainable life for the residents of LaPorte County.
- Fall 2007** **LaPorte County Intermodal Committee.** Participated in several community meetings. Task was to research advantages/disadvantages of having an intermodal junction in LaPorte County.
- Nov. 2007** **Science Fair Moderator.** Oral Presentations at LSAMP Alliance Conference, Purdue University, West Lafayette, Indiana.
- Sept. 2007** **Presenter.** Health Booth on HIV/AIDS at the LaPorte Sunflower Festival.
- Sept.16, 2007** **Volunteer/Participate.** American Red Cross 5K.
- Summer 2007** **Summer Science Outreach Initiative.** Dr. Jenkins participated in Michigan City Area Schools Summer Program for students 6 through 8th grade. Dr. Jenkins developed a lab entitled, “Super Size Me” and “Ruffling up the Fat” – both lab integrated math, science and health content into a 2-day 45 min lab activity.
- April 2007** **Science Activity Presenter.** Developed science activity and motivational talk for students visiting PNC from the “Hours for Ours” Michigan City mentoring program.

Feb. 2007	Science Fair Judge. Michigan City Schools.
2006-2007	American Red Cross Board Member. Attended monthly board meetings and participated in Red cross fund raising activities.
Nov. 2006	Science Fair Judge. LSAMP Alliance Conference – Judge undergraduate research oral presentations also took a PNC student to the conference to participate in conference activities.
Oct. 2006.	Great Lakes Service Area Conference. Sponsored by American Red Cross; attended workshops/talks about community engagement.
Sept. 2006	Presenter. Health Booth on HIV/AIDS at the LaPorte Sunflower Festival ().
Aug. 5, 2006	Volunteer/Participate. American Red Cross car giveaway fundraiser.
2006	Volunteer/Participate. Red Cross Event-Smooth Jazz Fundraiser.
2006	Volunteer/Participate. Annual golf classic fundraiser.
2006	Cytometry for Life Scientific Advisory Board Member. Invited by Dr. Paul Robinson, Professor of Cytomics at Purdue West Lafayette to sit on the advisory board for the Cytometry for Life project which aims to provide low-cost devices for CD4 t cell testing (inactive).
2000-2001	Member of Wabash YMCA Board of Directors. Chicago, IL.
Fall 2001	Mentor/Tutor. Character Development Program for teens, Chicago.
Spring 2001	Science Fair Judge. NAACP-ACTSO Awards, Chicago, IL.
Spring 2000	Science Fair Judge. NAACP-ACTSO Awards, Chicago, IL.
Dec. 2000	Science Fair Judge/Chemistry Tutor. William Jones Academic Magnet High School, Chicago, IL.
Spring 1999	Science Fair Judge. NAACP-ACTSO Awards, Chicago, IL.
Spring 1998	Science Fair Judge. NAACP-ACTSO Awards, Chicago, IL.
Spring 1997	Science Fair Judge. NAACP-ACTSO Awards, Chicago, IL.
Spring 1996	Science Fair Judge. NAACP-ACTSO Awards, ACT -SO is an acronym for Academic, Cultural, and Technological Scientific Olympics. ACT-SO is a yearlong enrichment program designed to recruit, stimulate, improve and encourage high academic and cultural achievement among African-American high school students, Chicago, IL.

LICENSES, CERTIFICATES, TRAININGS

Feb. 12, 2008	Completed Blumen Software training at Purdue West Lafayette; Blumen is a computer program for extensive database collection and analysis.
July 2007	American Red Cross HIV/AIDS Instructor Certification.
May 2007	Completed Group 4 Exemption CITI online training; IRB Approval to for human subjects.

- May 2007** IRB Human Subjects approval, IRB Protocol #0704005237; Study Title: AIDS Online International: An International Model for AIDS Education, Prevention, and Behavioral Research. (renewed each year).
- Mar. 2007** Human Subjects Nuts & Bolts Workshop.
- Dec. 2006** American Red Cross HIV/AIDS Certification in Adult CPR.

SKILLS

Windows/Mac, Online course delivery applications/systems (i.e., Blackboard , WebCT, D2L, etc), Respondus, Microsoft (all programs – Word, Excel, Publisher, Frontpage, etc.), Wordperfect, Dreamweaver, Asystant, Lotus 123, Chemtext, Chemdraw, Chems sketch, PC Models, Quatro Pro, Origin, Systat, Protein Chemistry & preparation, Electron Paramagnetic Resonance (EPR), Nuclear Magnetic Resonance (NMR), UV-Vis Spectroscopy, IR spectroscopy (ATR-FTIR), Gas chromatography- Mass Spectroscopy (GC-Mass), High Performance Liquid Chromatography (HPLC), Fast Protein Liquid Chromatography (FPLC), Thin Layer Chromatography (TLC)

References Available Upon Request