

JUSTINA A. OGODO

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Baylor University
School of Education
Department of Curriculum & Instruction



ACADEMIC DEGREES

2017	Ph.D.	The University of Alabama, Tuscaloosa College of Education, Curriculum & Instruction Dissertation: <i>Examining the influence of physics-focused professional development on advanced placement physics teachers.</i>
2011	EDS	University of Alabama at Birmingham Secondary Science and Teaching Effectiveness College of Education, Curriculum & Instruction
2003	MEd.	University of Alabama at Birmingham College of Education, Curriculum & Instruction Major: Secondary Science Education
1988	BSc	Lagos State Polytechnic, Nigeria Department of Sciences Major: Biochemistry & Lab. Technology

PROFESSIONAL POSITIONS

2019 - Present	Assistant Professor, Curriculum & Instruction/Science Education, Baylor University, Waco, TX
2017 - 2019	Post-Doctoral Researcher/Project Manager, The Ohio State University, Columbus, OH
2015 - 2017	Graduate Research Assistant, The University of Alabama, Tuscaloosa, AL
2010 - 2014	Adjunct Instructor, Lawson State Community College, Birmingham, AL
2001- 2016	Science/Mentor Teacher, Birmingham City Schools, Birmingham, AL

CERTIFICATIONS AND STATE LICENSURE

2022 - 2028	Class AA Secondary Grades 6 -12 certification.
2022 - 2028	Class A Secondary Grades 6 -12 Certification.

GRANTS/AWARDS

Year	Awarding Institution	Role	Amount Funded
2023	National Science Foundation (NSF) Peppe, D. (PI). White, J., Ogodo, J. A. <i>Cells to ecosystems:</i>	Co-Principal Investigator	\$600,000 – Approved/Pending Award

fossil xylem is the “missing link” in reconstructing water use by plants, forests, and global vegetation in deep time.

2019	National Science Foundation (NSF) DRK 12 Olafsen, L. J., McCall, M. J., Olafsen, J. S., Nesmith, S. M. & Ogodo, J. A. <i>Enhancing secondary STEM educators inquiry effectiveness through materials science laboratory experiences.</i>	Co-Principal Investigator	\$449,984 - Unfunded
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AWARDS AND RECOGNITION

Year	Awarding Body	\$ Amount Awarded
2024	Education Sciences Research Award	1650
2022	Baylor University Teaching Development Grant	1,500
2019	Jhumki Basu Scholarship Award. National Association for Research in Science Teaching.	700
2018	Educational Research Award. The Ohio State University, Office of Post-doctoral Association	1,000
2017	Most outstanding Graduate Student. The University of Alabama, Tuscaloosa.	Recognition
2016	Graduate Research, School of International Studies. The University of Alabama, Tuscaloosa.	350
2016	Jhumki Basu Scholarship. National Association for Research in Science Teaching.	700
2016	Merit Award. Educational Studies in Psychology Research Methodology and Counselling (ESPRMC) Annual Symposium. The University of Alabama	Recognition
2016	Educational Research. College of Education, University of Alabama, Tuscaloosa.	750
2015	Educational Research. College of Education, University of Alabama, Tuscaloosa.	750
2014	Educational Research. College of Education, University of Alabama, Tuscaloosa.	750
2014	Foundation Award. The Mid-South Educational Research Association (MSERA)	500

RESEARCH SCHOLARSHIP

JOURNAL ARTICLES: PEER-REVIEWED Student **Co-Author** [**]

Ogodo, J. A. (Accepted, 2023). Culturally Responsive Pedagogical Knowledge: An Integrative Teacher Knowledge Base for Diversified STEM Classrooms. *Journal of Education Sciences*. Educ. Sci., 14, 124.
<https://doi.org/10.3390/educsci14020124>

Ogodo, J. A., Nesmith, S., Baker, C., Boddie, S. C., Spence, A., Nesmith, D., Crumpton, T., Small, A., Brown, A., & Lilley, L. (2023). Think Like a Scientist and an Engineer: Schools, University, and Community Partnerships Using an Aquaponics Project during COVID-19. *Journal of Higher Education Teaching and Learning*. *JHETP* 23(8).

<https://doi.org/10.33423/jhetp.v23i8.6059> .

Ogodo, J. A. (2022). Developing STEM Teachers' Cultural Competence through an Urban Teaching Curriculum: A Cultural Border Crossing Experience. *Journal of Science Teacher Education*. 34(3), 267-286.

<https://doi.org/10.1080/1046560X.2022.2046248>

(Also featured in AAAS-ARISE newsletter <https://mailchi.mp/aaas.org/august-arise-newsletter>).

Ogodo, J. A., Simon, M., *Morris, D., & Akubo, M. (2021). Examining K-12 teachers' digital competency and technology self-efficacy during the COVID-19 Pandemic. *Journal of Higher Education Theory and Practice*, 21(11), 13-27.

<https://doi.org/10.33423/jhetp.v21i11.4660>

Ogodo, J. A. (2021). Uncharted Territories: COVID-19 and Other 2020 events that changed our lives forever. *Journal of Multicultural Education*. <https://scholarworks.sfasu.edu/jma/vol7/iss1/4>

Ogodo, J. A. (2019). Comparing advanced placement physics teachers experiencing physics-focused professional development. *Journal of Science Teacher Education*, 30(6), 639-665. <https://doi.org/10.1080/1046560X.2019.1596720>

EDITED BOOK

Sunal, D. W., Sunal, C. V., & **Ogodo, J. A.** (Eds.) (Book accepted for Pub., in progress). Crossing the border from preservice to in-service science teacher: Research-based induction as professional development. *Research in Science Education (RISE) Series*. Vol 9. Information Age Publishing.

BOOK REVIEW: PEER-REVIEWED

Ogodo, J.A. (2023). The Double Bind in Physics Education: Intersectionality, Equity, and Belonging for Women of Color. [Review of the book *The Double Bind in Physics Education* by M. Ong]. Teachers College Record

BOOK CHAPTERS REFEREED

Ogodo, J. A., Sunal, D. W., & Sunal, C. V. (Accepted, 2023). The Need for Science Teacher Induction. In Sunal, D. W., Sunal, C. V., & Ogodo, J. A. (Eds) (Accepted, in progress). *Crossing the border from preservice to in-service science teacher: Research-based induction as professional development*. Research in Science Education (RISE) Series. Information Age Publishing (IAP).

Ogodo, J. A., Ding, L., & **Morris, D. (Accepted, 2023). The ENABLE STEM early-career teacher induction mentoring program: Nurturing STEM teachers for urban high-need schools. In Sunal, D. W., Sunal, C. V., & **Ogodo, J. A.** (Eds) (Accepted, in progress). *Crossing the border from preservice to in-service science teacher: Research-based induction as professional development*. Research in Science Education (RISE) Series. Information Age Publishing (IAP).

****Morris, D., & Ogodo, J. A.** (Accepted, 2023). University-extension induction for early-career science teachers: Cultivating self-sustaining reflective practice through mediated-coaching. In Sunal, D. W., Sunal, C. V., & **Ogodo, J. A.** (Eds) (Accepted, in progress). *Crossing the border from preservice to in-service science teacher: Research-based induction as professional development*. Research in Science Education (RISE) Series. Information Age Publishing (IAP).

Jeffery, T. D., Jackson-Osagie, E. A., **Ogodo, J. A.** (2022). Integrating social justice pedagogy in an online elementary science classroom. In F. S. Allaire, J. E. Killham, & J. D. O'Leary, (Eds.). *Teaching and learning online: Science for elementary grade levels*. Information Age Publishing (IAP).

Ogodo, J. A., **Atanda, M. A., Adedoyin, A. C., Carter, S. A., & Thrasher, J. (2021). COVID-19, cultural competency, and church responsiveness in Nigeria. In R. D. Smith, S. C. Bodie, & B. English (Eds). *Radicalized health, COVID-19, and religious responses: Black Atlantic contexts and perspectives*. Routledge.

Ogodo, J. (2019). The intersection of culture, scholarship, and survival: Nigerian college graduates in America's higher institution. In R. M. Lowery, R. Pringle, & M. Oslick, (Eds.), *Land of opportunity: Immigrant experiences in the North American*

landscape. Rowman and Littlefield.

Ogodo, J., Irving, K., Brosnan, P., & Ding, L. (2019). *Rise, Defy, Teach - The ENABLE STEM Project*. In J. Leonard, A. Burrows, & R. Kitchen, (Eds.): *Recruiting, preparing, and retaining STEM teachers for a global generation*. Sense Publishers.

Sunal, C. S., Sunal, D. W., **Ogodo, J.**, & Stephens, M. (2019). *High school physics teaching reform: Support for professional development in the literature*. In Sunal, D., Shemwell, J., Harrell, J. W., & Sunal, C.(Eds): *Physics Teaching and Learning: Challenging the Paradigm*. Information Age Publisher.

Sunal, D. W., Simon, M. E., Sunal, C.S., **Ogodo, J.**, Harrell, J. W., Aggarwal, M. (2019). Effects of professional development on reform in high school physics teaching. In *Physics Teaching and Learning: Challenging the paradigm*. Sunal, D., Shemwell, J., Harrell, J. W., & Sunal, C. (Eds): Information Age Publisher.

Sunal, D., Simon, M, Sunal, C., **Ogodo, J.**, Harrell, J., & Aggarwal, M. (2019b). Reform in High School Physics Teaching and its Effect on Student Learning Outcomes. In Sunal, D., Shemwell, J., Harrell, J.W., & Sunal, C. (Eds.) *Physics Teaching and Learning: Challenging the Paradigm*. Information Age Publishing, Inc., 21-56.

MANUSCRIPTS UNDER PEER REVIEW

Ogodo, J. A. (under revision). What has culturally responsive teaching to do with STEM education: Everything!

Ogodo, J. A. (under revision). Impact of Teacher Knowledge on Urban Students Agency in AP Enrollment.

IN PREPARATION Student **Co-Author** ^[**]

Ogodo, J. A., & ^{**}Chung, Tina. Higher Education Recruitment Efforts Toward a Sustainable Science Teacher Workforce: A Systematic Review.

Ogodo, J. A. & ^{**}Jonas, J. Post COVID-19 Technology Integration in Classrooms: Implication for Science Education.

Ogodo, J. A. & Morris, D. Framework as a way of thinking.

Ogodo, J. A. What Has Culturally Responsive Teaching to Do with STEM Education: Everything!

Ogodo, J. A. Teaching and Learning: The Science of Asking Why

Ogodo, J. A. Exploring the Impact of Teacher Knowledge and Urban High-Need Students AP Enrollment

NON-ACADEMIC JURIED PUBLICATIONS

Ogodo, J. (2021). *The Thing Between My Two Ears*. *Active Brains and Minds*.

<https://medium.com/@ogodotna/the-thing-between-my-two-ears-d93de1cfa8fa>

Ogodo, J. (2021). *A Long "Summer" Vacation to Remember*. A biographical account of an experience with hot peppers. The Preservation Foundation, Inc. <http://www.storyhouse.org/justinao.html>

Ogodo, J. (2021). *Lost in Switzerland*. The Preservation Foundation, Inc. <http://www.storyhouse.org/justinao2.html>

REFEREED PRESENTATIONS

International & National Conferences

Ogodo, J. A., Morris, D., ^{**}Bryant, M., ^{**}McKamie, J., & ^{**}McNeice, L. (Accepted), What the Heck is Theoretical and Conceptual Framework. A symposium. American Educational Research Association (AERA), Philadelphia, April 11 – 14, 2024.

- Ogodo, J. A.** (2023, April). Urban teaching curriculum for PSTs' cultural competency development. American Educational Research Association (AERA), Chicago, IL.
- Ogodo, J. A.** (2022, April). Pre-Conference Workshop, Equity and Ethics Committee, (NARST) Vancouver, Canada.
- Ogodo, J. A.,** Simon, M., Morris, D., & Akubo, M. (2021, April). Uncharted territories: Experiences of novice and veteran teachers in the era of COVID-19. American Educational Research Association (AERA) Virtual conference.
- Ogodo, J. A.** (2021, April). Pathway to constructivist lesson planning in K12 science classrooms. American Educational Research Association (AERA). Virtual conference.
- Ogodo, J. A.,** Simon, M., Morris, D., & Akubo, M. (2021, April). *Uncharted Territories. Teaching science virtually in the era of COVID-19.* National Association for Research in Science Teaching (NARST) Virtual conference.
- Ogodo, J. A.** (2021, April). *Enjoying or enduring the tenure process, especially during the COVID-19 Pandemic.* National Association for Research in Science Teaching (NARST) Virtual conference.
- Ogodo, J. A.** (2020, March). *Equipping preservice STEM teachers with culturally responsive pedagogical knowledge for urban high-need schools.* National Association for Research in Science Teaching (NARST) conference. Baltimore, MD.
- Ogodo, J.** (2020, April). Border Crossings: The Transformational Journeys of Preservice STEM Teachers toward Culturally Responsive Pedagogical Knowledge. American Educational Research Association (AERA) conference. San Francisco, CA. Virtual.
- Ogodo, J.** (April 2020). Students' Perspective on Factors Influencing Advanced Placement Enrollment in Urban Schools. American Educational Research Association (AERA), conference. San Francisco, CA. Virtual.
- Ogodo, J.,** Irving, K., Brosnan, P., & Ding, L. (2019, March). *Equipping Preservice STEM Teachers with Culturally Responsive Pedagogical Knowledge for Urban High-Need Schools.* National Association for Research in Science Teaching (NARST) conference. Baltimore, MD.
- Sunal, D., Simon, M., Sunal, C., Harrell, J. W., **Ogodo, J,** Wooten, M., Harville-York, H., Stephens, M., Tawbush, R., Aggarwal, M. (2019, March). *Using Teacher Professional Development to Create High School Science Reform.* National Association for Research in Science Teaching (NARST) conference. Baltimore, MD.
- Ogodo, J.** (2018, June). Enhancing Advanced Placement Physics Teachers' Knowledge Base. International Science Education Conference. Singapore.
- Sunal, D., Sunal, C., Simon, M., Harrell, J.W., Wooten, M., Byrne, C., Davis, S., Ray, T., **Ogodo, J.,** Mohan D Aggarwal. (2018, April). Reform in High School Physics Teaching and its Effect on Student Learning Outcomes. American Educational Research Association (AERA), conference. New York, NY.
- Sunal, D., Sunal, C., Simon, M., Harrell, J. W., Wooten, M., **Ogodo, J.,** Stephens, M., Aggarwal, M., Schamschula, M. (2018, March). *"Creating Reform in High School Physics Classrooms: Does it Work?"* National Association for Research in Science Teaching (NARST) conference. Atlanta, GA.
- Sunal, D., Sunal, C., Simon, M., Ray, T., **Ogodo, J.,** Stephens, M., Harrell, J. W. (2017, April). *Impact of Professional Development on High School Physics Teaching and Student Learning.* Proceedings of the annual meeting of the National Association for Research in Science Teaching. San Antonio, TX.

- Ogodo, J.** (2016, August). *Examining the Influence of Physics-Focused Professional Development on Advanced Placement Physics Teachers*. Paper presented at the Mixed Methods International Research Association Conference, Durham, UK.
- Sunal, D., **Ogodo, J.**, Simon, M., Ray, T., Sunal, C., Dantzler, J., Harrell, J.W., & Aggarwal, M. (2015, April). *Alliance for Physics Excellence: A Professional Development Model for Enriching Teaching and Learning in Physics*. Proceedings of the American Educational Research Association (AERA) Annual Meeting, Washington, DC.
- Ogodo, J.** (2015, November). *Motivating urban students toward advanced placement science courses: students' perspective*. A paper presented at the Mid-South Educational Research Association (MSERA) conference. Lafayette, LA.
- Ogodo, J.** (2015, April). *PCK and Teacher Selection of Specific Content to Teach*. Paper presented at the AERA conference. Chicago, IL.
- Ogodo, J.** (2015, March). *Creating possibilities for meaningful learning of chemistry concepts using teacher pedagogical content knowledge (PCK)*. Paper presented at the ASTA conference. Birmingham, AL.
- Ogodo, J.** (2014, November). *PCK and Teacher Selection of Specific Content to Teach - Research in Progress*. Paper presented at the MSERA conference. Knoxville, TN.

Regional & Local Conferences

- Ogodo, J. A.** (2023, April). Developing preservice teacher cultural competency for the diversified classroom using a holistic curriculum. Texas National Association of Multicultural Education. Waco, Texas.
- Ogodo, J. A.** & Salisbury, K. (2020, Nov.) Constructivism in K12 Classrooms: A Cross-examination of Science and Mathematics Lessons. School Science and Mathematics Association (SSMA) Virtual conference.
- Nesmith, S. & **Ogodo, J.** (2019, Nov). Engineering for Elementary Preservice Teachers. School Science and Mathematics Association (SSMA). Salt Lake City, UT.
- Ogodo, J.**, Irving, K., Brosnan, P., & Ding, L. (2019, January). *Preparing high-quality STEM teachers for urban high-need classrooms: The ENABLE STEM project*. Association of Science Teacher Educators (ASTE). Savannah, GA.
- Ogodo, J.** (2018, July). Comparing physics teachers experiencing differing professional development models. AAPT conference. Washington DC.
- Sunal, D., Aggarwal, M., Ray, T., **Ogodo, J.**, Stephens, M., Simon, M., Harrell, J. W. (2016, February). *Are you frustrated teaching physics and physical science?* Paper presented at the ASTA conference. Birmingham, AL.
- Ogodo, J.** (2015, November). *The impact of professional development on science teaching reform*. Paper presented at the Mid-South Educational Research Association (MSERA) annual conference. Lafayette, LA.

PEER-REVIEWED POSTER PRESENTATIONS

- Ogodo, J.** (March, 2020). Urban students' perspectives on advanced placement enrollment. National Association for Research in Science Teaching (NARST). Portland, OR. Virtual, 2020.

Irving, K., **Ogodo, J.**, Brosnan, P., Ding, L., Krissek, L. (Sept, 2019). ENABLE STEM and Teacher Leadership: Years 1-3. MA-ASTE Regional Conference. Pipestem, WV.

Ogodo, J., Irving, K., Brosnan, P., Ding, L., Krissek, L., Harris, C. (July 2019). Preservice Teachers' Self-Efficacy and Urban Teaching. Noyce Conference. Washington, DC.

Ogodo, J., Irving, K., Brosnan, P., Ding, L., Krissek, L. (July 2018). ENABLE STEM: Targeted Preservice STEM Teacher Preparation for Urban High-Need Schools. Noyce Conference. Washington, DC.

Spirks, S., **Ogodo, J.**, Irving, K., Brosnan, P., Ding, L., Krissek, L. (July 2018). Formal Education from Informal Spaces: The ENABLE STEM-COSI Partnership. Noyce Conference. Washington, DC.

Ogodo, J. (April 2018). *The Impact of Physics-Focused Professional Development on Advanced Placement Physics Teachers*. American Educational Research Association (AERA), conference. New York, NY.

Ogodo, J., Irving, K., Brosnan, P., Ding, L., Krissek, L., Kelley, C. Cosi. (2017, September). *Summer STEM Preservice Teacher Field Experiences at a Science Museum: An Innovative Collaboration*. MA-ASTE Regional Conference. Louisville, KY.

Ogodo, J. (2017, April). *Examining the Influence of Physics-Focused Professional Development on Advanced Placement Teachers - A Case Study*. Poster presented at the National Association for Research in Science Teaching (NARST). San Antonio, TX.

Professional Development for High School Physics Teachers: Does it Matter? Sunal, D., Sunal, C., Simon, M., Harrell, J. W., Ray, T., **Ogodo, J.**, Aggarwal, M., Cady, J., Davis, S., Irons, J. (2017, April). Poster presented at the AERA conference. San Antonio, TX.

Conference Workshop Presentation

2022 - COVID and Course Design (AERA workshop)

2022 - Socioscientific Issues in the Science Classroom (NARST) workshop

WORKSHOPS/ PROFESSIONAL DEVELOPMENT

April 2022 -The Teaching Professor Conference

American Association for the Advancement of Science (AAAS)

- May 2021 - Promoting equity in undergraduate STEM classrooms through pedagogical approaches
- April 2021 - Respecting and responding to the needs of communities of color in the research Space
- April 2021 - Best Practices for Supporting Undergraduate STEM Faculty and Students in the Online Transition: Results of NSF RAPID Awards Supported by IUSE (AAAS)

Teaching

Baylor University

Science Curriculum	TED 4325
Social Issues in Education	TED 3380
Guest Instructor	CFS 4356
Intern Supervision/Seminar	TED 4640/1/2

Dissertation Directed/Completed:

Dissertation Committee Chair, Dana Morris: *"Exploring Coach-Mediated Reflection: Developing an Early-Career Chemistry Teacher's Pedagogical Content Knowledge."* A narrative Case Study Research. Completed, December 2022

Dissertation Member: *"Novice teachers' perceptions in an urban school community and how implementing restorative practice circles impacts their personal and professional well-being."* Case study research. Expected completion, December 2024

Ohio State University

Urban Teaching Seminar	EDUTL 8890
Learning and Cognition	EDUTL 7741
Educational Psychology	EDUTL 5741
Equity and Diversity	EDUTL 5005

The University of Alabama

Secondary Instructional Method (Guest Instructor)	CSE 390
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Lawson State Community College

Introductory Chemistry	CHM 104
Inorganic Chemistry	CHM 105

K12 Secondary Science

All sciences

PROFESSIONAL SERVICE

Administrative Roles

2023 - 2024	Chair	AERA Constructivism SIG
2022 - 2023	Chair Program	AERA Constructivism SIG
2020 - 2021	Member	SSMA Elections Committee
2021 - 2022	Chair	NARST Equity and Ethics Committee
2020 - 2021	Co-chair	NARST Equity and Ethics Committee
2018 – 2019	Secretary	NARST Equity and Ethics Committee
2020 – 2021	Co-chair	Basu Scholar Application and Selection Committee
2020 – 2021	Board Representative	Equity and Ethics, Elections Committee. (NARST).
2018 - 2020	Chair	Strand 4, Middle & Secondary Science (NARST).
2018 - 2021	Member	Steering Committee, Continental, and Diasporic Africa in Science Education (NARST)
2019 - 2020	Secretary	Equity and Ethics Committee (NARST).
2017 - 2020	Judge	Annual Edward F. Hayes Graduate Research Forum. The Ohio State University.
2017	Co-Leader	Graduate Student, Mixed Method Research (SIG),

2016 - 2017	Membership Director	Graduate Student Committee, AERA Division C.
2015	Session Presider	Mid-South Education Research Association (MSERA).

Journal Reviewer

2019 - Present	Editorial Board, member	Theory of Practice
2020 - Present	Editorial Board, member	Journal of Science Teacher Education
2019 - Present	Reviewer	Journal of Science Education
2017 - 2018	Ad hoc Reviewer	Theory into Practice Journal

Conference Proposal

2020 - Present	Jhumki Basu Scholarship	National Association for Research in Science Teaching
2018	Session Presider	National Association for Research in Science Teaching
2016 - Present	Proposal Reviewer	American Educational Research Association (AERA).
2015 - Present	Proposal Reviewer	National Association for Research in Science Teaching

SERVICE TO THE UNIVERSITY

2023 – Present	C & I Search Committee – Department Chair
2023 – Present	C & I search Committee – Clinical Assistant Professor Elementary/STEM Education
2023 – Present	BERC Conference Committee
2022 – Present	Member, SOE Recruitment and Retention Committee
2021 – Present	Member, Graduate Student Application Review Committee
2021 – 2022	C & I search Committee – Assistant Professor of Curriculum and Instruction.
2021 - 2023	At-large member, SOE Diversity, Equity, and Inclusion Committee
2021	Invited Panelist, Boundary Breaking Women's Panel.
2020 – Present	Faculty Advisor African Student Association
2020 – Present	Graduate Faculty Member
2020 – Present	Distinguished Scholars Day and school-wide recruiting efforts
2020 – Present	Guest Instructor – Consumer Family Services (CFS 4356)
2020 – 2022	Member, Baylor Curriculum & Instruction, Journal Task Force

SERVICE TO CHURCH AND WACO COMMUNITY

2023 – Present	Mentor, Single Parent Ladies Group
2022 – Present	Member, Advisory Board, Future Educators Academy, Waco ISD.
2019 – Present	<i>Member</i> , Antioch Community Church

COMMUNITY PARTNERSHIP INITIATIVES

2022 – Initiated talks of Baylor SOE Partnership with McLennan Community College (MCC)

2022 – Collaborated with the Admissions office to present the SOE Expo Waco ISD students

2019 – Initiated talks with Waco ISD campus visit.

INVITED PRESENTATION OR LECTURE FOR PROFESSIONAL DEVELOPMENT

- 2024 **Panelist** – Baylor Black History Month
- 2023 **Guest Speaker** – Baylor Brooks Residential College.
- 2023 **Guest Presenter** – Future Educators Academy,
Waco ISD
- 2021 **Guest Presenter – Workshop** at the University of Alabama
- 2019 **Presenter** - Balancing Acts: ENABLE STEM Leadership and Mentoring Induction workshop.
- 2018 **Presenter** - Post-docking at OSU – Using Storytelling in Presentations: Office of Post-doctoral
Association, the Ohio State University
- 2017 **Presenter** - Alliance for Physics Excellence (APEX) - comparing APEX advanced placement (AP)
Physics classrooms with non-APEX classrooms in Alabama: What can we learn?
- 2016 **Presenter** - What's happening in APEX Classrooms across Alabama?
- 2015 APEX training enacting effective teaching strategies in physics classrooms.
APEX – Reports on high school physics classrooms across Alabama
- 2014 Panel Member, Preservice teacher training. The University of Alabama.
- 2009 – 2011 In-service Professional Development Programs for teachers (Title II funded Workshop, Birmingham.
City Schools).

PROFESSIONAL AFFILIATIONS

- 2019 - Present Association of Science Teacher Education
- 2019 - Present School Science and Mathematics Association
- 2016 - Present American Educational Research Association.
- 2018 - Present Mixed Methods International Research Association
- 2017 - 2018 Southwest Association of Science Teacher Education
- 2015 - Present National Association for Research in Science.
- 2013 - 2015 Mid-South Educational Research Association
- 2012 - 2015 American Federation of Teachers
- 2001 - 2012 American Education Association