

CURRICULUM VITAE

Dr. Tolulope A. Agunbiade

**Assistant Professor
Citrus Entomology
Department of Agriculture, Agribusiness, and Environmental Sciences
Texas A&M University-Kingsville Citrus Center
Weslaco, Texas**

August 2025

Curriculum Vitae Summary

Name: Tolulope A. Agunbiade
Current Position: Assistant Professor - Citrus Entomology
Address: Texas A&M University-Kingsville Citrus Center
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Objective

To leverage my expertise in agricultural and medical entomology, and molecular biology to advance the understanding and management of the insect pests and disease vectors impacting citrus crops. My research aims to develop innovative, sustainable, and environmentally friendly solutions to these critical issues. I am committed to extending these research findings to growers, industry professionals, and the broader community through effective outreach and education, ultimately contributing to the long-term health and profitability of the citrus industry. I am also passionate about fostering the next generation of scientists through engaging instruction and research mentorship.

Education

Institution	Program	Degree/Certificate	Date
University of Illinois at Urbana-Champaign, USA	Entomology	Ph.D.	2014
University of Ghana, Ghana	Entomology	M.Phil.	2002
University of Ibadan, Nigeria	Crop Protection and Environmental Biology	B.Sc. (Hons.)	1999
Kobe University and Hyogo Prefectural Institute for Agriculture, Forestry and Fisheries, Japan	Integrated Pest Management	Certificate Training Course	05/2008 - 08/2008

Employment History

Institution	Title	Period
Texas A&M University-Kingsville, USA	Assistant Professor	8/2024 - Present
University of Florida, USA	Instructional Assistant Professor	10/2018 - 08/2024
Yale University, USA	Postdoctoral Fellow	11/2014 - 09/2018
AfricaRice, Nigeria	Research Associate	02/2007 - 08/2009
Noguchi Memorial Institute for Medical Research, Ghana	Principal Research Assistant	12/2002 - 01/2004

List of Courses Taught

Title	Institution Where Taught	Semester Taught
Crop Protection (PLSS 6344)	Texas A&M University-Kingsville, USA	Every Fall 2024
Pesticides and the Environment (PLSS 5350)	Texas A&M University-Kingsville, USA	Every Spring 2025
Bite Me? Insects as Disease Vectors (IDS 2935)	University of Florida, USA	Fall 2020, Fall 2021, Fall 2022, Fall 2023, Spring 2024
Consequences of Biological Invasions (ALS 4162/6935)	University of Florida, USA	Spring 2021, Spring 2022, Spring 2023, Spring 2024
Insect Pest and Vector Management (IPM 4144/6021)	University of Florida, USA	Summer 2019 Summer 2020, Summer 2021, Summer 2022, Summer 2023 Summer 2024
Exotic Species and Biosecurity Issues (ALS 4161/6166)	University of Florida, USA	Fall 2019, Fall 2020, Fall 2021, Fall 2022, Fall 2023
Organismal and Evolutionary Biology (IB 151)	University of Illinois at Urbana-Champaign, USA	Spring 2012

Graduate Student Mentorship

I have successfully mentored a high school student, undergraduate students, graduate students, exchange students, and visiting scholars. I currently serve on the thesis committee of a graduate student. The breakdown is as follows:

Name of Student	Institution/Organization	Program	Project	Year
Rebecca Aguilar	Texas A&M University-Kingsville, USA	Graduate student (MSc)	Integrated Pest Management of Citrus	2025 - Present

			Arthropod Pests	
Grace Ingabire	Texas A&M University-Kingsville, USA	Graduate student (MSc)	Integrated Pest Management of Citrus Arthropod Pests	2025 - Present
Bhavya Reddy Vallepu	Texas A&M University-Kingsville, USA	Graduate student (MSc)	Integrated Pest Management of Citrus Arthropod Pests	2025 - Present
Sweksha Pathak	Texas A&M University-Kingsville, USA	Graduate student (MSc)	Integrated Pest Management of Citrus Arthropod Pests	2025 - Present
Ghislaine Bourjolly	Texas A&M University-Kingsville, USA	Graduate student (MSc)	Species composition of whitefly populations in South Texas and investigations into the host range of Malvastrum bright yellow mosaic virus	2024 - Present
Elizabeth Taylor	Entomological Society of America (ESA)	Alate Award (ESA) winner	Professional and career development	November, 2024
Kine-Madelaise Laguerre	Texas A&M University-Kingsville, USA	Internship student from Earth University, Costa Rica	Investigations into the baseline susceptibility of citrus pests to pesticides	October – December 2024
William Wilson	Yale University, USA	High school student intern	Pathogenesis of malaria disease	June – August 2018

Zhangnv Yang	Yale University, USA	Visiting scholar from China	Pathogenesis of malaria disease	August 2016 – February 2017
Sequoia Leuba	Yale University, USA	Undergraduate student	Pathogenesis of malaria disease	September 2015 – May 2016
Chang Li	Yale University, USA	Visiting scholar from China	Pathogenesis of malaria disease	September 2015 - January 2016
Florice Gonzalez	Yale University, USA	HHMI/Exceptional Research Opportunities Program (EXROP) student	Pathogenesis of malaria disease	June - August 2015
Mu-Rou Tsai	University of Illinois at Urbana-Champaign, USA	International exchange student from Taiwan	Genomic analysis of cowpea insect pests	2013
Ron Vidri	University of Illinois at Urbana-Champaign, USA	Undergraduate student	Genomic analysis of cowpea insect pests	2013
David Forgacs	University of Illinois at Urbana-Champaign, USA	Undergraduate student	Genomic analysis of cowpea insect pests	2011-2012

Bibliography of Publications

I have authored and/or co-authored 26 peer-reviewed journal articles, 3 book chapters, 2 extension papers/manuals. I have also served as a co-editor of 2 volumes of book chapters (<https://scholar.google.com/citations?hl=en&user=NicJRqUAAAAJ> and <https://www.researchgate.net/profile/Tolulope-Agunbiade/publications>).

2025

Peer-Reviewed Articles

1. Agunbiade T.A., A.C. Hodges, N. F. Quinn, M. G. Pinkerton and L.A. Whilby. 2025. Integrating integrated pest management and sustainability into a biosecurity

framework. Florida Entomologist 108 s1

2020

Peer-Reviewed Articles

2. Chang Y-M., T. A. Agunbiade, Tang X-D., Freudzon M., Almeras L. and E. Fikrig. 2020. A mosquito salivary protein facilitates sporozoite traversal of host cells. Journal of Infectious Diseases jiaa759, <https://doi.org/10.1093/infdis/jiaa759>

2018

Peer-Reviewed Articles

3. Dragovic S. M.*, T. A. Agunbiade*, Freudzon M., Yang J., Hastings A. K., Schleicher T. R., Zhou X., Craft S., Chuang Y., Gonzalez F., Li Y., Hrebikov G., Tripathi A., Mlambo G., Almeras L., Ploss A., Dimopoulos G. and E. Fikrig. 2018. Immunization with AgTRIO, a protein in Anopheles saliva, contributes to protection against Plasmodium infection in mice. Cell Host & Microbe 23(4): 523-535.e5
***contributed equally to the paper (co-first author)**

2017

Peer-Reviewed Articles

4. Agunbiade T. A., B. S. Coates, W. Sun, M-R. Tsai, M. C. Valero, M. Tamò and B. R. Pittendrigh. 2017. Comparison of the mitochondrial genomes of the Old and New World strains of the legume pod borer, *Maruca vitrata* (Lepidoptera: Crambidae). International Journal of Tropical Insect Science 37(3): 125-136

Book Chapters

5. Agunbiade T. A., W. Sun, B. S. Coates, F. Traore, J. A. Ojo, A. N. Lutomia, J. Bello-Bravo, S. Miresmailli, J. Huesing, M. Tamò and B. R. Pittendrigh. 2017. Insect pests and integrated pest management techniques for grain legume cultivation in West Africa. In: Sivasankar et al. editors. Achieving sustainable cultivation of grain legumes. Burleigh Dodds Science Publishing. pp 432

2015

Editorial Activities

6. Raman C., M. R. Goldsmith and **T. A. Agunbiade** (Eds.). 2015. Short views on insect genomics and proteomics. Insect genomics, Volume 1. Springer International Publishing 202 pp.
7. Raman C., M. R. Goldsmith and **T. A. Agunbiade** (Eds.). 2015. Short views on insect genomics and proteomics. Insect proteomics, Volume 2. Springer International Publishing 251 pp.

2014

Peer-Reviewed Articles

8. Agunbiade T. A., B. S. Coates, B. Datinon, R. Djouaka, W. Sun, M. Tamò and B. R. Pittendrigh. 2014. Genetic differentiation among *Maruca vitrata* F. (Lepidoptera: Crambidae) populations on cultivated cowpea and wild host plants: Implications for

insect resistance management and biological control strategies. PLoS ONE 9(3): e92072

2013

Peer-Reviewed Articles

9. Agunbiade T. A., W. Sun, B. S. Coates, R. Djouaka, M. Tamò, M. N. Ba, C. Binso-Dabire, I. Baoua, B. P. Olds and B. R. Pittendrigh. 2013. Development of reference transcriptomes for the major field insect pests of cowpea: A toolbox for insect pest management approaches in West Africa. PLoS ONE 8(11) e79929
10. Bello-Bravo J., R. Nwakwasi, T. A. Agunbiade and B. R. Pittendrigh. 2013. Perceptions of cell phone animations as an educational tool: A case study in southeastern Nigeria. International Journal of Information and Communication Technology Research 3(12): 2223-4985
11. Bello-Bravo J., E. Dannon, T. Agunbiade, M. Tamò and B. R. Pittendrigh. 2013. The prospect of animated videos in agriculture and health: A case study in Benin. International Journal of Education and Development using Information and Communication Technology 9(3): 4-16

2012

Peer-Reviewed Articles

12. Agunbiade T. A., B. S. Coates, K. S. Kim, D. Forgacs, V. M. Margam, L. L. Murdock, M. N. Ba, C. L. Binso-Dabire, I. Baoua, M. F. Ishiyaku, M. Tamò and B. R. Pittendrigh. 2012a. The spatial genetic differentiation of the legume pod borer, *Maruca vitrata* F. (Lepidoptera: Crambidae) populations in West Africa. Bulletin of Entomological Research 102(5): 589-599
13. Olds B.P., B. S. Coates, L. D. Steele, W. Sun, T. A. Agunbiade, K. S. Yoon, J. P. Strycharz, S. H. Lee, K. N. Paige, J. M. Clark and B. R. Pittendrigh. 2012. Comparison of the transcriptional profiles of head and body lice. Insect Molecular Biology 21(2): 257-268
14. Oyetunji O. E., C. O. Peluola, F. E. Nwilene, G. Akinwale, A. Togola, T. A. Agunbiade and O. A. Claudius-Cole. 2012. Effect of fungi-termite interaction on the chlorophyll content of three rice varieties grown on ultisol soil of Ikenne, southwest Nigeria. Archives of Phytopathology and Plant Protection 45(11): 1292-1303

Book Chapters

15. Agunbiade T., L. Steele, B. Coates, A. Gassmann, V. Margam, M. Ba, C. Dabire-Binso, I. Baoua, J. Bello-Bravo, F. Seufferheld, W. Sun, M. Tamò and B. Pittendrigh. 2012b. IPM-omics: From Genomics to Extension for Integrated Pest Management of Cowpea. In: Boukar O., Coulibaly O., Fatokun C., Lopez K. Tamò M., editors. Improving livelihoods in the cowpea value chain through advancements in science. Proceedings of the 5th World Cowpea Research Conference pp. 231 – 248
16. Bello-Bravo J., F. Seufferheld, T. Agunbiade, L. D. Steele, D. Guillot, N. M. Ba, C. L. Binso-Dabire, I. Baoua, M. N'Diaye, M. Tamò and B. Pittendrigh. 2012. Scientific Animations Without Borders™: Cell-phone videos for cowpea farmers. In: Boukar O., Coulibaly O., Fatokun C., Lopez K. Tamò M., editors. Improving livelihoods in the

cowpea value chain through advancements in science. Proceedings of the 5th World Cowpea Research Conference pp. 369 – 380

2011

Peer-Reviewed Articles

17. Baoua I., N. M. Ba, T. A. Agunbiade, V. Margam, C. L. Binso-Dabiré, S. Antoine and B. R. Pittendrigh. 2011. Potential use of *Sesbania pachycarpa* DC (Fabaceae: Papilionoideae) as a refugia for the legume pod borer, *Maruca vitrata* Fabricius (Lepidoptera: Crambidae). International Journal of Tropical Insect Science 31(4): 212-218
18. Bello J., F. Seufferheld, L. D. Steele, T. Agunbiade, D. Guillot, G. Cutz and B. R. Pittendrigh. 2011. Scientific Animations without Borders: an international collaborative approach for building applicable scientific educational materials for use on cell phones, and the Internet in developing nations. The International Journal of Science in Society 2(4): 49-62
19. Bello-Bravo J., F. Seufferheld and T. A. Agunbiade. 2011. Gender and farmer field schools in agricultural production systems in West Africa. The International Journal of Science in Society 2(4): 13-24
20. Margam V. M., B. S. Coates, D. O. Bayles, R. L. Hellmich, T. Agunbiade, M. J. Seufferheld, W. Sun, J. A. Kroemer, M. N. Ba, C. L. Binso-Dabire, I. B. Bokary, M. F. Ishiyaku, F. G. Covas, R. Srinivasan, J. Armstrong, L. L. Murdock and B. R. Pittendrigh. 2011. Transcriptome sequencing, and rapid development and application of SNP markers for the legume pod borer *Maruca vitrata* (Lepidoptera: Crambidae). PLoS ONE 6(7): e21388
21. Margam V., B. S. Coates, R. L. Hellmich, T. Agunbiade, M. J. Seufferheld, W. Sun, M. N. Ba, A. Sanon, C. L. Binso-Dabire, I. Baoua, M. F. Ishiyaku, F. G. Covas, R. Srinivasan, J. Armstrong, L. L. Murdock, and B. R. Pittendrigh. 2011. Mitochondrial genome sequence and expression profiling for the legume pod borer, *Maruca vitrata* (Lepidoptera: Crambidae). PLoS ONE 6(2) e16444

2010

Peer-Reviewed Articles

22. Togola A., F. E. Nwilene, A. Agbaka, F. Anato, T. A. Agunbiade and D. C. Chougourou. 2010. Connaissance paysanne des insectes foreurs de tiges du riz et leurs dégâts dans différentes zones écologiques du Bénin (Afrique de l'Ouest). Cahiers Agricultures 19(4) 262-266
23. Togola A., F. E. Nwilene, D. C. Chougourou and T. Agunbiade. 2010. Presence, populations et dégats de l'alucite des cereales *Sitotroga cerealella* (Olivier) (Lepidoptera, Gelechiidae) sur les stocks de riz au Benin. Cahiers Agricultures 19: 205-209

2009

Peer-Reviewed Articles

24. Agunbiade T. A., F. E. Nwilene, A. Togola, A. Onasanya, M. Tamò and O. O. Falola. 2009. Resistance status of upland NERICA rice varieties to termite damage in North-central Nigeria. Journal of Applied Sciences 9(21): 3864-3869

25. Nwilene F. E., O. Okhidievbie, T. A. Agunbiade, A. K. Traore, L. N. Gaston, A. Togola and O. Youm. 2009. Antixenosis component of rice resistance to African rice gall midge, *Orseolia oryzivora*. International Rice Research Notes 34: 1-6
26. Ogah E. O., F. E. Nwilene, M. N. Ukwungwu, A. A. Omoloye and T. A. Agunbiade. 2009. Population dynamics of the African rice gall midge, *Orseolia oryzivora* Harris and Gagné and its parasitoids in the forest and Guinea savanna zones of Nigeria. International Journal of Tropical Insect Science 29(2): 86-92
27. Joseph A., D. B. Olufolaji, Y. Sere, F. E. Nwilene, A. Onasanya and T. A. Agunbiade. 2009. Effect of migration distance on vector-mediated approach of screening rice cultivars for resistance to rice yellow mottle virus. Nigerian Journal of Plant Protection 23:176-183
28. Adeniran T. (Maiden Name), C. A. Brown, W. Rogers, M. D. Wilson, M. A. Appawu and D. A. Boakye. (2009) Susceptibility status of *Anopheles gambiae* sensu stricto (Diptera: Culicidae) to pyrethroid and carbamate insecticides in the Greater Accra region of Ghana, West Africa. International Journal of Tropical Insect Science 29(03): 124-129

2008

Peer-Reviewed Articles

29. Nwilene F. E., T. A. Agunbiade, A. Togola, O. Youm, O. Ajayi, S. O. Oikeh, S. Ofodile and O.O. Falola. 2008. Efficacy of traditional practices and botanicals for the control of termites on rice at Ikenne, Nigeria. International Journal of Tropical Insect Science 28(1): 37-44
30. Nwilene F. E., A. Togola, T. A. Agunbiade, E. O. Ogah, M. N. Ukwungwu, A. Hamadoun, S. I. Kamara and D. Dakouo. 2008. Parasitoid biodiversity conservation for sustainable management of the African rice gall midge, *Orseolia oryzivora* (Diptera: Cecidomyiidae) in lowland rice. Biocontrol Science and Technology 18(10): 1075-1081

Extension Papers/Manuals

31. Nwilene F. E., S. O. Oikeh, **T. A. Agunbiade**, O. Oladimeji, O. Ajayi, M. Sie, G. Gregorio, A. Togola and A. D. Touré. 2008. Growing lowland rice: a production handbook. Africa Rice Center, Benin. 40 pp
32. Oikeh S. O., F. E. Nwilene, **T. A. Agunbiade**, O. Oladimeji, O. Ajayi, S. Mande, H. Tsunematsu and H. Samejima. 2008. Growing upland rice: a production handbook. Africa Rice Center, Benin. 40 pp

Dissertation and Theses

1. Agunbiade, Tolulope Adebimpe. 2014. Genomic analysis of cowpea insect pests. Ph.D. dissertation, University of Illinois at Urbana-Champaign, USA
2. Adeniran (Maiden Name), Tolulope Adebimpe. 2002. Studies on the susceptibility status of *Anopheles gambiae* sensu lato (Diptera: Culicidae) to permethrin (pyrethroid) and propoxur (carbamate) insecticides in the greater Accra region of Ghana M.Phil. Thesis, University of Ghana, Ghana
3. Adeniran (Maiden Name), Tolulope Adebimpe 1999. Pre- and post-emergence weed

List of Selected Presentations at Conferences, Workshops and Seminars

- **Oral Presentation**

- Bite me? Teaching insects as disease vectors to undergraduate non-majors, 2024 Entomological Society of America Annual Meeting, Phoenix Arizona, USA (November 12, 2024)
- Malaria vaccines: Targeting *Anopheles* salivary gland proteins, Infectious Disease-Rheumatology Research Conference Meeting, Yale University, Connecticut, USA (March 15, 2016)
- Mosquito salivary gland extract antiserum alters *Plasmodium* infection in mice, Infectious Disease-Rheumatology Research Conference Meeting, Yale University, Connecticut, USA (March 7, 2017)
- A population genetics study of the legume pod borer, *Maruca vitrata*, in West Africa 2014 Open Forum on Science in Grain Legumes, Joint conference of the 6th International Food Legumes Research Conference (IFLRC VI) and 7th International Conference on Legume Genetics and Genomics (ICLGG VII), Saskatoon, Canada (July 7 – 11, 2014)
- Uncovering the population genetics of *Maruca vitrata* International Institute of Tropical Agriculture (IITA) Ibadan, Nigeria, 2013 Research for Development Days, Ibadan, Oyo State, Nigeria (November 26, 2013)
- Major pests and diseases of rice and their control, 2007 Train-the-trainer course for officers of ADPs, seed companies, National Seed Service regional officers of the south-east and south-west of Nigeria and extension workers, Research for Development Days, National Seed Service regional office, Ibadan, Oyo State, Nigeria (December 13 -14, 2007)

- **Poster Presentation**

- Defining the species complex of the legume pod borer, *Maruca vitrata* (Lepidoptera: Crambidae), by comparative mitochondrial phylogenomics, Entomological Society of America 2014 Annual Meeting, Portland, Oregon, USA (November 17 – 19, 2014)
- Development of reference transcriptomes for the major field insect pests of cowpea: A toolbox for insect pest management approaches in West Africa, 2014 Joint conference of the 6th International Food Legumes Research Conference (IFLRC VI) and 7th International Conference on Legume Genetics and Genomics (ICLGG VII), Saskatoon, Canada (July 10, 2014)
- Genetic differentiation among *Maruca vitrata* F. (Lepidoptera: Crambidae) populations on cultivated cowpea and wild host plants, 2014 HHMI Science Meeting, Maryland, USA (April 23 – 25, 2014)
- Studies on the susceptibility status of *Anopheles gambiae* sensu lato (Diptera: Culicidae) to permethrin (pyrethroid) and propoxur (carbamate) insecticides in the greater Accra region of Ghana, 3rd Multilateral Initiative on Malaria (MIM), Arusha, Tanzania (November 17 – 22, 2022)

Awards and Honors

- USDA E. Kika de La Garza Science Fellow, USDA (2025)
 - Predoctoral Fellowship, International Student Research Fellowship, HHMI (Fall 2012 - Spring 2014)
 - M. Phil. Scholarship, Deutscher Akademischer Austausch Dienst (DAAD), German Academic Exchange Service (2000 - 2002)
 - Integrated Pest Management Training Course, Kobe University and Hyogo Prefectural Institute for Agriculture, Forestry and Fisheries Japan International Co-operation Agency (JICA) (May - August 2008)
 - Travel Award, 3rd MIM Pan-African Conference on Malaria, Arusha, Tanzania (November 17 - 22, 2002)
 - Best student, Department of Crop Protection and Environmental Biology, University of Ibadan, Nigeria (1999)
-

Media Interactions and Interviews

- <https://www.tamuk.edu/news/2025/08/Agunbiade-Chumbley-introduced-as-2025-USDA-E-Kika-De-La-Garza-Fellows.html>
 - <https://www.usda.gov/about-usda/news/press-releases/2025/07/07/usda-welcomes-2025-class-e-kika-de-la-garza-fellows>
 - <https://yaledailynews.com/blog/2018/04/17/yale-study-raises-hope-of-malaria-vaccine/>
 - <http://bintroo.com/scientists-develop-new-strategy-for-malaria-vaccine/>
 - <https://www.everydayhealth.com/malaria/vaccine-progress-challenges/>
 - America's Heartlands on PBS – January 2012 - http://www.americasheartland.org/episodes/episode_721/smart_phone_farming.html
 - Team delivers development aid via cell phone animations - http://news.illinois.edu/news/11/0228phone_ed_bello-bravo_pittendrigh.html
 - http://www.eurekalert.org/pub_releases/2011-02/uoia-tdd022811.php
 - Farming tips reach developing world via cell phone - <http://www.voanews.com/content/developing-world-farmers-find-answers-on-cell-phones-121895389/158130.html>
 - http://news.cnet.com/8301-27083_3-20037383-247.html
 - http://www.sciencecodex.com/team_delivers_development_aid_via_cell_phone_animations
-

Trainings and Professional Development

- Distance Education Certification, Texas A&M University-Kingsville, Texas, USA (Fall 2024)
- Teacher's College, College of Agricultural and Life Sciences, University of Florida, USA (Fall 2019)

- New Faculty Passport to Great Teaching, Office of Teaching Excellence, University of Florida, USA (Spring 2019)
 - Certificate in Foundations of Teaching, Center for Teaching Excellence, University of Illinois at Urbana-Champaign, Illinois, USA (Spring 2013)
 - Integrated Pest Management for Plant Protection Kobe University and Hyogo Prefectural Institute for Agriculture, Forestry and Fisheries, Japan (May - September 2008)
 - DELF A2, Nationale Diplôme D'études En Langue Française (National Diploma in French Language Studies), administered by Alliance Française at the International Institute of Tropical Agriculture, Nigeria (December 2007)
-

Professional Growth and Activities

Membership in Professional Societies

- Minorities in Agriculture, Natural Resources, and Related Sciences (2024 – Present)
- Southwestern Branch, Entomological Society of America (2024 – Present)
- International Association of Black Entomologists of the ESA (March 2023 – Present)
- North American Colleges and Teachers of Agriculture (2020 – Present)
- Southeastern Branch, Entomological Society of America (2019 – 2024)
- Entomological Society of America (2012 – Present)

Leadership Roles in Professional Societies

- Member, Governance Upgrade Task Force Committee, Entomological Society of America (2024 – Present)
 - Vice President of the International Association of Black Entomologists (IABE) of ESA (2025 – Present)
 - Program Committee Chair, Entomological Society of America, Southeastern Branch (2023 – 2024)
 - Member, Diversity, Equity, and Inclusion Committee, Entomological Society of America (2023 – Present)
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Service Activities

Service Activities on University, College, and/or Departmental Committees

- **University**
 - Member, Annual Faculty Lecture Committee, Texas A&M University-Kingsville, Texas, USA (Fall 2024 – Present)
 - **College**
 - Member, Plant Science Committee, College of Agricultural and Life Sciences, University of Florida, Florida, USA (2022 – 2024)
 - **Department**
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- Member, Student Admissions Committee, Department of Agriculture, Agribusiness, and Environmental Sciences, Texas A&M University-Kingsville, Texas, USA (Fall 2024 – Present)
- Member, Annual Evaluation Improvement Committee, Department of Agriculture, Agribusiness, and Environmental Sciences, Texas A&M University-Kingsville, Texas, USA (Spring 2025 – Present)
- Member, Undergraduate Student Committee, Department of Entomology and Nematology, University of Florida, Florida, USA (2022 – 2024)

Service Activities Outside the University

- Topics Editor, Converting and Recycling of Waste Materials (MDPI Journal) (August 2025 – Present)
- Texas Lead for the HLB - Research and Extension Output Network (REON) (November 2024 – Present)
- Reviewer, Conference Grant proposal for USDA NIFA AFRI Pests and Beneficial Species in Agricultural Production Systems Grant (December 2024)
- Reviewer, NSF REU BIO (November 2024)
- Member, Governance Upgrade Task Force Committee, Entomological Society of America (2024 – Present)
- Vice President of the International Association of Black Entomologists (IABE) of ESA (2025 – Present)
- Program Committee Chair, Entomological Society of America, Southeastern Branch (2023 – 2024)
- Member, Diversity, Equity, and Inclusion Committee, Entomological Society of America (2023 – Present)
- Mentor, Elizabeth Taylor, an Alate Award winner at ESA (November 2024)
- Topics Editor, Insects (March 2021 – Present)
- Reviewer, International Journal of Tropical Insect Science (2020)
- Member, Editorial Board, Journal of Entomology and Nematology (2019 – Present)
- Reviewer, Journal of Asia-Pacific Entomology (2018)
- Reviewer, PLOS ONE (2013 - 2017)
- Reviewer, Bulletin of Entomological Research (2017)
- Reviewer, Pest Management Science (2017)
- Reviewer, PLOS Neglected Tropical Diseases (2014)
- Member and contributor, Scientific Animations Without Borders (SAWBO) (2010 - 2014)
- Judge, student oral presentation, Entomological Society of America (ESA), Portland, Oregon (November 17, 2014)
- Social and Organizing Secretary, African Student Organization, University of Illinois at Urbana-Champaign (2010 - 2011)