

Curriculum Vitae

Dr. Mamoudou Sétamou

Professor

Citrus Entomology and Integrated Pest Management

TAMUK-Citrus Center

Department of Agronomy, Agribusiness and Environmental Sciences

Weslaco, Texas

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Curriculum Vitae Summary

Name Mamoudou Sétamou
Current position Professor – Citrus Entomology and Integrated Pest Management
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Education

- Dr. rer. Hort. 1999 Horticulture and Integrated Pest Management, University of Hannover, Germany
- M.S. 1996 Crop Science, University of Cape Coast, Ghana, West Africa
- Ing. Agron. 1992 Benin National University, Benin, West Africa
- B.S. 1990 Benin National University, Benin, West Africa

Employment History

- Texas A&M University-Kingsville Professor 9/2016-Present
- Texas A&M University-Kingsville Associate Professor 9/2010-8/2016
- Texas A&M University-Kingsville Assistant Professor 3/2006-8/2010
- USDA-ARS Research Scientist 8/2003-2/2006
- ICIPE-Kenya Senior Research Scientist 8/2002-7/2003
- Texas A&M University Assistant Research Scientist 3/2001-7/2002

List of Courses Taught

Title	Institution Where Taught	Semester Taught
1. Crop Protection	Texas A&M University-Kingsville (TTVN)	Spring 2018, Fall 2017, Fall 2015, Spring 2014, Fall 2012, Spring 2010, Spring 2010, Spring 2008, Fall 2019
2. Experimental Designs and Data Analysis	Texas A&M University-Kingsville	Fall 2021 , Fall 2020, Fall 2018, Spring 2017, Fall 2014, Spring 2013, Fall 2011, Spring 2009, Fall 2008, Spring 2007
3. Pesticides and the Environment	Texas A&M University-Kingsville (TTVN)	Spring 2011, Fall 2013, Fall 2016
4. Insects and the Human Society	Texas A&M University-Kingsville (Classroom)	Fall 2006, Fall 2008, Fall 2010, Fall 2014
5. Integrated Pest Management in Citrus Production	Citrus Center: Continued Grower Education	Annually

Graduate Student Mentorship

I have successfully mentored and graduated 31 M.S. and 2 Ph.D. students since 2006 with their research topics spanning on all aspects of Citrus IPM.

Bibliography of Publications

I have authored and/or co-authored over **130** peer-reviewed and 4 non-refereed articles related to Insect Ecology, Biological Control, and Integrated Pest Management (https://www.researchgate.net/profile/Mamoudou_Setamou/publications). I have published over **50** extension papers, **17** conference papers, and **8** book chapters.

Refereed Journal Articles

2021

1. Aidoo, O. F., C. M. Tanga, S. A. Mohamed, F. M. Khamis, S. Opisa, B. Rasowo, J. W. Kimemia, J. Ambajo, M. Sétamou, S. Ekesi & C. Borgemeister. 2021. The African citrus trioqid *Trioza erytreae* Del Guercio (Hemiptera: Triozidae): temporal dynamics and susceptibility to entomopathogenic fungi in East Africa. *International Journal of Tropical Insect Science* 41: 563-573.
2. Aidoo, O. F., Tanga, C. M., Azrag, A. G. A., Mohamed, S. A., Khamis, F. M., Rasowo, B. A., Ambajo, J., Sétamou, M., Ekesi, S., & Borgemeister, C. 2021. Temperature-based phenology model of African citrus trioqid (*Trioza erytreae* Del Guercio): Vector of citrus greening disease. *Journal of Applied Entomology*, 00, 1–10.
<https://doi.org/10.1111/jen.12942>
3. Park, J.-W., J. V. da Graça, M. Sétamou & M. Kunta. 2021. Diversity of Citrus tristeza virus strains in the Upper Gulf Coast of Texas. *Plant Disease* 105: 592-598. Simpson C. R., J. Gonzales III, J. Enciso, S. D. Nelson, **M. Sétamou**. 2020. Root distribution and seasonal fluctuations under different grove floor management systems in citrus. *Scientia Horticulturae* 272 (109364) 1-10.
4. Rasowo, B. A., R. S. Copeland, F. M. Khamis, O. F. Aidoo, I. J. Ajene, S. A. Mohamed, M. Sétamou, S. Ekesi & C. Borgemeister. 2021. Diversity and phylogenetic analysis of endosymbionts from *Trioza erytreae* (Del Guercio) and its parasitoids in Kenya. *Journal of Applied Entomology* 145: 104-116.

2020

5. George J., S. L. Lapointe, L. T. Markle, J. M. Patt, S. A. Allan, **M. Sétamou**, M. J. Rivera, J. A. Qureshi, L. L. Stelinski. 2020. A multimodal attract-and-kill device for the Asian citrus psyllid *Diaphorina citri* (Hemiptera: Liviidae). *Insects* 11 (12): 870-1174
6. Irigoyen S., M. Ramasamy, S. Pant, P. Niraula, R. Bedre, M. Gurung, D. Rossi, C. Laughlin, Z. Gorman, D. Achor, A. Levy, M. V. Kolomiets, **M. Sétamou**, I. E. Badillo-Vargas, C. A. Avila, M. S. Irej, K. K. Mandadi. 2020. Plant hairy roots enable high throughput identification of antimicrobials against *Candidatus Liberibacter* spp. *Nature Communications* 11 (1): 1-14.
7. Aidoo O.F., C. M. Tanga, S. A. Mohamed, F. M. Khamis, S. B. S. Baleba, B. A. Rasowo, J. Ambajo, **M. Sétamou**, S. Ekesi, C. Borgemeister. 2020. Detection and monitoring of ‘*Candidatus*’ *Liberibacter* spp. vectors: African citrus trioqid *Trioza erytreae* Del Guercio (Hemiptera: Triozidae) and Asian citrus psyllid *Diaphorina citri* Kuwayama (Hemiptera: Liviidae) in citrus groves in East Africa. *Agricultural and Forest Entomology* 22 (4): 401-409.

8. Simpson C. R., J. Gonzales III, J. Enciso, S. D. Nelson, **M. Sétamou**. 2020. Root distribution and seasonal fluctuations under different grove floor management systems in citrus. *Scientia Horticulturae* 272 (109364) 1-10.
9. Chaudhary S., D. A. Laughlin, **M. Sétamou**, J. V. da Graça, M. Kunta, O. J. Alabi, K. M. Crosby, K. L. Ong, V. Ancona. 2020. Incidence, severity, and characterization of *Phytophthora* foot rot of citrus in Texas and implications for disease management. *Plant Disease* 104 (9): 2455-2461.
10. Park J-W., J. daGraca, **M. Sétamou**, M. Kunta. 2020. Diversity of Citrus tristeza virus strains in the Upper Gulf Coast area of Texas. *Plant Disease* DOI. <https://doi.org/10.1094/PDIS-02-20-0410-RE>
11. Aidoo O. F., C. M. Tanga, S. A. Mohamed, F. M. Khamis, S. Opisa, B. A. Rasowo, J. W. Kimemia, J. Ambajo, **M. Sétamou**, S. Ekesi, C. Borgemeister. 2020. The African citrus trioqid *Trioza erytreae* Del Guercio (Hemiptera: Triozidae): temporal dynamics and susceptibility to entomopathogenic fungi in East Africa. *International Journal of Tropical Insect Science* DOI. <https://doi.org/10.1007/s42690-020-00241-5>
12. R Bouharroud, **M Sétamou**. 2020. Assessment of residual effects of three neonicotinoids commonly used to control Asian citrus psyllid *Diaphorina citri* Kuwayama (Hemiptera: Psyllidae). *African and Mediterranean Agricultural Research Journal-Al-Awamia* 129: 161-176.
13. Ajene I. J., F. M. Khamis, B. van Asch, G. Pietersen, B. A. Rasowo, F. L. Ombura, A. W. Wairimu, K. S. Akutse, **M. Sétamou**, S. Mohamed, S. Ekesi. 2020. Microbiome diversity in *Diaphorina citri* populations from Kenya and Tanzania shows links to China. *PloS one* 15 (6): e0235348. <https://doi.org/10.1371/journal.pone.0235348>
14. Oke A. O., A. A. Oladigbolu, M. Kunta, O. J. Alabi, M. Sétamou 2020. First report of the occurrence of Asian citrus psyllid *Diaphorina citri* (Hemiptera: Liviidae), an invasive species in Nigeria, West Africa. *Scientific Reports* 10 (1): 1-8.
15. **Sétamou M.**, O. J. Alabi, M. Kunta, J. Dale, J. V. da Graça 2020. Distribution of *Candidatus Liberibacter asiaticus* in citrus and the Asian citrus psyllid in Texas over a decade. *Plant disease* 104 (4), 1118-1126.
16. Graham J., T. Gottwald, **M. Sétamou** 2020. Status of huanglongbing (HLB) outbreaks in Florida, California and Texas. *Tropical Plant Pathology* 45: 265–278.
17. Ibanez F., J. H. Suh, Y. Wang, M. Rivera, **M. Sétamou**, L. L. Stelinski 2020. Salicylic acid mediated immune response of Citrus Sinensis to varying frequencies of herbivory and pathogen inoculation. *bioRxiv* doi: <https://doi.org/10.1101/2020.08.04.235911>
18. Rasowo B. A, R. S. Copeland, F. M. Khamis, O. F. Aidoo, I. J. Ajene, S. A. Mohamed, **M. Sétamou**, S. Ekesi, C. Borgemeister 2020. Diversity and phylogenetic analysis of endosymbionts from *Trioza erytreae* (Del Guercio) and its parasitoids in Kenya. *Journal of Applied Entomology* <https://doi.org/10.1111/jen.12807>

19. Piña K., H. Conway, M. Ciomperlik, John V. da Graça, **M. Sétamou**, D. Czokajlo 2020. Development of the ‘BugEnd’ killing station for the control of *Anastrepha ludens* (Loew) (Diptera: Tephritidae). *Subtropical Agriculture and Environments* 71:67-74.

2019

20. **Sétamou, M.**, R. R. Saldaña, J. M. Hearn, J. Dale, T. P. Feria Arroyo & D. Czokajlo. 2019. Screening sticky cards as a simple method for improving efficiency of *Diaphorina citri* (Hemiptera: Liviidae) monitoring and reducing nontarget organisms. *Journal of Economic Entomology* 112: 1167-1174
21. Villegas, C., R. Ramos, J. L. Jifon, C. V. Keith, M. Al Rwahnih, **M. Sétamou**, J. K. Brown & O. J. Alabi. 2019. Association of two distinct begomoviruses and two DNA satellite molecules with a yellow mosaic disease outbreak in a south Texas okra (*Abelmoschus esculentus* (L.) Moench) field. *Plant Disease*. DOI: 10.1094/PDIS-06-19-1175-PDN
22. Rasowo, B.A, F. Khamis, S. A. Mohamed, I. J. Ajene, O. F. Aidoo, F. L. Ombura, **M. Sétamou**, S. Ekesi, & C. Borgemeister. 2019. African citrus greening disease in East Africa: Incidence, severity, and distribution patterns. *Journal of Economic Entomology* 112: 2389-2397, DOI: 10.1093/jee/toz167.
23. Aidoo O.F., S. Ekesi, C. M. Tanga, **M. Sétamou**, Brenda A. Rasowo, I. Rwomushana, J. Kimani, Akua A. Agyakwa, Samira A. Mohamed, Fathiya M. Khamis, C. Borgemeister. 2019. Distribution, degree of damage and risk of spread of *Trioza erytrae* (Hemiptera: Triozidae) in Kenya. *Journal of Applied Entomology*. DOI: 10.1111/jen.12668.
24. Simpson, C. R., J.C. Melgar, S.D. Nelson & **M. Sétamou**. 2019. Growth and yield responses under different grove floor management strategies for water conservation in young grapefruit trees. *Scientia Horticulturae*. <https://doi.org/10.1016/j.scienta.2019.108567>
25. Aidoo, O. F., C. M. Tanga, F. M. Khaimis, B. A. Rasowo, S. A. Mohamed, B. K. Badii, D. Silifu, **M. Sétamou**, S. Ekesi & C. Borgemeister. 2019. Host suitability and feeding preference of the African citrus trioqid, *Trioza erytrae* Del Guercio (Hemiptera: Triozidae), natural vector of “*Candidatus Liberibacter africanus*”. *Journal of Applied Entomology* 143: 262-270.
26. Aidoo, O. F., C. M. Tanga, T. M. Paris, S. A. Allan, S. A. Mohamed, F. M. Khaimis, **M. Sétamou**, C. Borgemeister & S. Ekesi. 2019. Size and shape analysis of *Trioza erytrae* Del Guercio (Hemiptera: Triozidae), vector of citrus huanglongbing disease. *Pest Management Science* 75: 760-771
27. Chow, A., D. Czokajlo, J. Patt & **M. Sétamou**. 2019. Development and field validation of a Beta-cyfluthrin based ‘Attract and Kill’ device for suppression of Asian citrus psyllid, *Diaphorina citri* (Hemiptera: Liviidae), on residential citrus. *Journal of Economic Entomology* 112: 2824-2832.

28. Reyna, S. M., S. Ekesi & **M. Sétamou**. 2019. Morphometric comparisons of citrus rust mite, *Phyllocoptruta oleivora* (Ashmead) populations in Texas and Kenya. *Southwestern Entomology* 44: 607-616.
29. Semida, W.M., H.R. Hussein, **M. Sétamou**, C.R. Simpson, T.A. Abd El-Mageed, M.M. Rady, & S.D. Nelson. 2019. Biochar implications for sustainable agriculture and environment: A review. *South African Journal of Botany* 127:333-347.
30. Villegas, C., R. Ramos Sobrinho, J. L. Jifon, C. von Keith, M. Al Rwahnih, **M. Sétamou**, J. K. Brown & O. J. Alabi. 2019. First report of Cotton leaf curl Gezira virus and its associated alphasatellite and betasatellite from disease affected okra plants in the United States. *Plant Disease* 103:3291.

2018

31. **Sétamou, M.**, O. J. Alabi, N. Tofangsazi & B. Grafton-Cardwell. 2018. COPF: citrus orchard perimeter fencing as a strategy for reducing Asian citrus psyllid (Hemiptera: Liviidae) infestation. *Journal of Applied Entomology* 142: 959-966.
32. Miranda, M. P., F. L. dos Santos, R. B. Bassanezi, L. H. Montesino, J. C. Barbosa, & **M. Sétamou**. 2018. Monitoring methods for *Diaphorina citri* Kuwayama (Hemiptera: Liviidae) on citrus groves with different insecticide application programs. *Journal of Applied Entomology* 142: 89-96.
33. **Sétamou, M.** & O. J. Alabi. 2018. SMART HLB™ – An ecological approach to improve HLB management. *Citrograph* 9(1): 24-27.
34. Chow, A., C. A. Dunlop, M. A. Jackson, P. B. Avery, J. M. Patt & **M. Sétamou**. 2018. Field efficacy of autodissemination and foliar sprays of an entomopathogenic fungus, *Isaria fumosorosea* (Hypocreales: Cordycipitaceae), for control of Asian citrus psyllid (Hemiptera: Liviidae), on residential citrus. *Journal of Economic Entomology* 111: 2089-2100.
35. Fuentes, C., J. Enciso, **S. D. Nelson**, J. Anciso, **M. Sétamou** & S. Elsayed-Farag. 2018. Yield production and water productivity under furrow and drip irrigation systems for watermelons in South Texas. *Subtropical Agriculture and Environments* 69: 1-7.
36. Martini, X., M. Rivera, A. Hoyte, **M. Sétamou** & L. Stelinski. 2018. Effects of wind, temperature, and barometric pressure on Asian citrus psyllid (Hemiptera: Liviidae) flight behavior. *Journal of Economic Entomology* 111: 2570-2577.
37. Singh, N. K., J. A. Goolsby, D. I. Shapiro-Ilan, R. J. Miller, **M. Sétamou** & A. A. Perez de Leon. 2018. Effect of immersion tome on efficacy of entomopathogenic nematodes against engorged females of cattle fever tick, *Rhipicephalus* (= *Boophilus*) *microplus*. *Southwestern Entomologist* 43: 19-28.
38. Aidoo, O. F., C. M. Tanga, T. M. Paris, S. A. Allan, S. A. Mohamed, F. M. Khaimis, **M. Sétamou**, C. Borgemeister & S. Ekesi. Size and shape analysis of *Trioza erythrae* Del

Guercio (Hemiptera: Triozidae), vector of citrus Huanglongbing disease. *Pest Management Science*. <https://doi.org/10.1002/ps.5176>

39. Aidoo, O. F., C. M. Tanga, F. M. Khaimis, B. A. Rasowo, S. A. Mohamed, B. K. Badii, D. Silifu, **M. Sétamou**, S. Ekesi & C. Borgemeister. Host suitability and feeding preference of the African citrus triozid, *Trioza erythrae* Del Guercio (Hemiptera: Triozidae), natural vector of “*Candidatus Liberibacter africanus*”. *Journal of Applied Entomology*. DOI: 10.1111/jen.12581

2017

40. **Sétamou, M.**, O. J. Alabi, C. R. Simpson & J. Jifon. 2017. Contrasting amino acid profiles among permissive and non-permissive hosts of *Candidatus Liberibacter asiaticus*, putative causal agent of Huanglongbing. *PLOS One* doi.org/10.1371/journal.pone.0187921.
41. Rwomushana I, Khamis FM, Grout TG, Mohamed SA, **Sétamou M**, Borgemeister M., Heya HM, Tanga CM, Nderitu PW, Seguni ZS, Materu CL, Ekesi S. **2017**. Detection of *Diaphorina citri* Kuwayama (Hemiptera: Liviidae) in Kenya and potential implication for the spread of Huanglongbing disease in East Africa. *Biological Invasions*. DOI: 10.1007/s10530-017-1502-5.
42. Khamis, F. M., I. Rwomushama, L. O. Ombura, G. Cook, S. A. Mohamed, C. M. Tanga, P. W. Nderitu, C. Borgemeister, **M. Sétamou** , T. G. Grout & S. Ekesi. 2017. DNA barcode reference library for the African citrus triozid, *Trioza erythrae* (Hemiptera: Triozidae): vector of African citrus greening. *Journal of Economic Entomology*, 110(6):2637-2646. doi: 10.1093/jee/tox283.
43. Nishikawa, F., E. Louzada, J. C. Melgar, M. Kunta & **M. Sétamou**. 2017. Effects of planting bed and plastic mesh as ground cover on flowering citrus trees. *Bulletin of the NARO Institute of Fruit Tree Science* 1: 1-8.
44. Alabi OJ, Al Rwahnih M, Jifon JL, **Sétamou M**, Brown J, Gregg L, Park J-W, 2017. A mixed infection of *Lettuce chlorosis virus*, *Papaya ringspot virus*, and *Tomato yellow leaf curl virus-IL* detected in a Texas papaya orchard affected by a virus-like disease outbreak. *Plant Disease* 101:1094-1102.

2016

45. **Sétamou, M.**, C. R. Simpson, O.J. Alabi, S.D. Nelson, S. Telagamsetty and J.L. Jifon. 2016. Quality matters: Influences of citrus flush physicochemical characteristics on population dynamics of the Asian citrus psyllid (Hemiptera: Liviidae). *PLoS One* 11(12): e0168997. Doi:10.1371/journal.pone.0168997.
46. **Sétamou, M.**, O. J. Alabi, M. Kunta, J. L. Jifon & J. V. da Graça. 2016. Enhanced acquisition rates of ‘*Candidatus Liberibacter asiaticus*’ by the Asian citrus psyllid (Hemiptera: Liviidae) in the presence of vegetative flush growth in citrus. *Journal of Economic Entomology* 109: 1995-2005.

47. **Sétamou, M.**, J. V. da Graça & J. L. Sandoval II. 2016. Suitability of native North American Rutaceae to serve as hosts for the Asian citrus psyllid (Hemiptera: Liviidae). *Journal of Applied Entomology* 140: 645-654.
48. Alabi, O. J., M. al Rwahnih, J. K. Brown, A. Idris, L. Gregg, E. Kmiecik, **M. Sétamou** & J. L. Jifon. 2016. First report of papaya (*Carica papaja* L.) naturally-infected with the introduced *Tomato yellow leaf curl virus-IL*. *Plant Disease* 100:1959.
49. **Chow, A.**, C. A. Dunlop, M. A. Jackson, D. Flores, J. M. Patt & **M. Sétamou**. 2016. Oviposition behavior and survival of *Tamarixia radiata* (Hymenoptera: Eulophidae), an ectoparasitoid of the Asian Citrus Psyllid, *Diaphorina citri* (Hemiptera: Liviidae), on hosts exposed to the entomopathogenic fungus, *Isaria fumosorosea* (Hypocreales: Cordycipitaceae) under laboratory conditions. *Journal of Economic Entomology* 109: 1973-1978

2015

50. **Sétamou, M.** & D. W. Bartels. 2015. Living on the edges: spatial niche occupation of Asian citrus psyllid, *Diaphorina citri* Kuwayama (Hemiptera: Liviidae), in citrus groves. *PLOS One* 10(7): e131917
51. Patt, J. M., A. Chow, W. G. Meikle, C. Gracia, M. A. Jackson, D. Flores, **M. Sétamou**, C. A. Dunlap, P. B. Avery, W. B. Hunter and J. J. Adamczyk. 2015. Efficacy of an autodisseminator of an entomopathogenic fungus, *Isaria fumosorosea*, to suppress Asian citrus psyllid, *Diaphorina citri*, under greenhouse conditions. *Biological Control* 88-DOI: 10.1016/j.biocontrol.2015.04.014.
52. da Graça JV, Kunta M, **Sétamou M**, Rascoe J, Li W, Nakhla MK, Salas B, Bartels DW. 2015. Huanglongbing in Texas: Report on the first detections in commercial citrus. *J Cit Pathol*. iocv_journalcitruspathology_27939.
53. Czokajlo D., L. Steleinki, K Godfrey, M. Sétamou. 2015. Novel attractant and trap for more sensitive ACP monitoring and detection. *Citrograph* 6 (2): 64-69.

2014

54. **Sétamou, M., A. Sanchez**, R.R. Saldana, J. M. Patt and R. Summy. **2014**. Visual Responses of Adult Asian Citrus Psyllid (Hemiptera: Liviidae) to Colored Sticky Traps on Citrus Trees. *Journal of Insect Behavior* 27 (4): 540-553.
55. Joseph M. Patt 1, Dara Stockton, William G. Meikle, **Mamoudou Sétamou**, Agenor Mafraneto and John J. Adamczyk. **2014**. Innate and Conditioned Responses to Chemosensory and Visual Cues in Asian Citrus Psyllid, *Diaphorina citri* (Hemiptera: Liviidae), Vector of Huanglongbing Pathogens. *Insects* 5:921-941.
56. Nelson, S.D., J.M. Enciso, H. Perea, **M. Sétamou**, L. Beniken, M. Young, and C. Williams. **2013**. (Published in 2015) Alternative flood irrigation strategies that improve water conservation in citrus. *Subtrop. Plant Sci.* 65:15-23.
57. Alabi, Olufemi, Madhurababu Kunta, Jon Dale, and **Mamoudou Sétamou**. 2014. Survey and detection of ‘Candidatus Liberibacter asiaticus’ in a citrus nursery facility in South Texas *Plant Health Progress*. 15(4):184-188. DOI: 10.1094/PHP-RS-14-0028.
58. Grafton-Cardwell, B.E., J. G. Morse, E. Civerolo, T. Gottwald, M. S. Hoddle, **M. Sétamou** and G. Vidalakis. 2014. Science Advisory Panel meets to discuss HLB/ACP. *Citrograph* 5(3): 42-48.

2013

59. Jaramillo, J., **M. Sétamou**, E. Muchugu, A. Chabi-Olaye, A. Jaramillo, J. Mukabana, J. Maina, S. Gathara and C. Borgemeister. **2013**. Climate change or urbanization? Impacts on a traditional coffee production system in East Africa over the last 80 years. *PLoS One* 8(1): e51815. doi: 10.1371/journal.pone.0051815
60. Kunta, M., M. Palm, J. Rascoe, P. B. de Sa, L. W. Timmer, J. V. da Graça, R. L. Mangan, N. S. A. Malik, B. Salas, A. Satpute, **M. Sétamou**, and M. Skaria. 2013. Sweet Orange Scab with a new scab disease “syndrome” of citrus in the U.S.A. associated with *Elsinoë australis*. *Tropical Plant Pathology* 38: 203-212.
61. Schneider, S. J., J. V da Graça, M. Skaria, C. R. Little, **M. Sétamou** & M. Kunta. 2013. A visual rating scale for quantifying severity of greasy spot disease on grapefruit leaves. *International Journal of Fruit Science* 13: 459-465.
62. Nelson, S. D., J. M. Enciso, H. Perea, **M. Sétamou**, L. Beniken, M. Young & C. F. Williams. 2013. Alternative flood irrigation strategies that improve water conservation in citrus. *Subtropical Plant Science* 65: 15-23.
63. *Chow, A., C. Dunlap, D. Flores, M. Jackson, W. Meikle, M. Sétamou* and J. M. Patt. 2013. Development of a pathogen dispenser to control Asian citrus psyllid in residential and organic citrus. *Citrograph* 4(1): 32-37.

2012

64. **Sétamou, M., A. Sanchez, J. M. Patt, S. D. Nelson, J. Jifon & E. S. Louzada.** 2012. Diurnal patterns of flight activity and effects of light on host finding behavior of the Asian citrus psyllid. *Journal of Insect Behavior* 25: 264-276.
65. **Sétamou, M., J. da Graca and R. Prewett.** 2012. HLB in Texas: Steps and challenges to curb this threat. *Citrograph* 3(5): 32-38.

2011

66. Patt, J. M., W. G. Meikle, A. Mafra-Neto, **M. Sétamou**, R. Mangan, C. Yang & N. Malik. 2011. Multimodal cues drive host-plant assessment in Asian citrus psyllid (*Diaphorina citri*). *Environmental Entomology* 40: 1484-1502.
67. De León, J. H., **M. Sétamou**, G. A. Gastaminza, J. Buenahora, S. Cáceres, P. T. Yamamoto, J. P. Bouvet, and G. A. Logarzo. 2011. Two separate introductions of Asian citrus psyllid populations found in the American continents. *Annals of the Entomological Society of America* 104: 1392-1398.
68. **Nelson, S. D.**, M. Young, J. M. Enciso, S. L. Klose, and **M. Sétamou.** 2011. Impact of irrigation method on water savings and Rio red grapefruit pack-out in south Texas. *Subtropical Plant Science* 63: 14-22.
69. **Nelson, S.D.**, L. Rock., **M. Sétamou** and J. Lloyd-Reilley. 2011. Flowering native plants able to withstand elevated abiotic salt stress. *Acta Horticulturae* 898: 103-111.

2010

70. **Sétamou M.**, D. Rodriguez, R.R. Saldana, G. Schwarloze, D. Palrang, and S. Nelson. **2010.** Efficacy and uptake of soil-Applied imidacloprid in the control of Asian citrus psyllid and a citrus leafminer, two foliar-feeding citrus pests. *Journal of Economic Entomology* 103 (5): 1711-1719.
71. De León H. J. **and Sétamou, M.** 2010. Molecular evidence suggests that populations of the Asian citrus psyllid parasitoid *Tamarixia radiata* (Hymenoptera: Eulophidae) From Texas, Florida, and Mexico represent a single species. *Annals of Entomological Society of America* 103: 100-110.
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49. French J.V., **M. Sétamou**, E. Louzada and J. da Graça. 2006 False Spider Mites on the rebound. TAMUK Citrus Center Newsletter Vol. 24 (6) 3.
50. **Sétamou M.** and J.V. French. 2006. Control of Asian citrus psyllid and citrus leafminer with Admire-Pro. TAMUK Citrus Center Newsletter Vol. 24 (5) 2.
51. French J.V., **M. Sétamou** and M. Skaria. 2006. Katydid injury on oranges. TAMUK Citrus Center Newsletter Vol. 24 (5) 3.
52. **Sétamou M.** **2006**. Citrus Insects causing fruit drop in Bayview area. Ag Report of Mid-Valley Town Crier, November 1, 2006, Page 10A.
53. French J.V. and M. **Sétamou**. 2006. Homopteran pests on the increase. TAMUK Citrus Center Newsletter Vol. 24 (4)1- 2.
54. **Sétamou M.** and J.V. French. 2006. Citrus pest update. TAMUK Citrus Center Newsletter Vol. 24 (3) 1-2.
55. Da Graça J., J.V. French, M. Skaria, **Sétamou M.** and P. Haslem. 2006. Citrus greening/Asian citrus psyllid update. TAMUK Citrus Center Newsletter Vol. 24 (3) 3.

Book Chapters

1. **Sétamou, M.** Area-wide management of Asian citrus psyllid in Texas. **2020**. In: *Asian Citrus Psyllid – Biology, Ecology and management of the Huanglongbing Vector*. (J. A. Qureshi & P. A. Stansly, eds.). Stylus Publishing.
2. Bandyopadhyay, R., K. Cardwell, A. Ortega-Beltran, F. Schulthess, W. Meikle, **M. Sétamou** & P. J. Cotty. **2019**. Identifying and managing plant health risks for key African crops: Maize. Pages 173-192 In: *Critical Issues in Plant Health: 50 years of Research in African Agriculture* (eds. P. Neuenschwander & M. Tamò). Burleigh Dodd Science Publishing

3. Sujii E. R., G. L. Lovei, **M. Sétamou**, P. Silvie, M. G. Fernandes, G. S. J. Dubois and R. P. Almeida. **2006**. Non-target and Biodiversity Impacts on Non-target Herbivorous Pests. In Hilbeck A. and Andow D. A. (eds.), *Environmental risk assessment of genetically modified organisms Vol. 2*. CABI Publishing, London, UK.
4. **Sétamou, M.** and Schulthess F. **2004**. Pest status of *Mussidia nigrivenella* Ragonot, a cob-borer of maize in western Africa. Pp. 980, In John L. Capinera (ed.), *Encyclopedia of Entomology*. Kluwer Academic Publishers, The Netherlands.
5. Bich, N., Wheatley, R., Anyango, B., Arpaia S., Capalbo D., Getu Degaga E., Fontes E., Kalama P., Lelmen E., Løvei G., Melo, I.S., Muyekho F., Ngi-Song A., Ochieno D., Ogwang J., Piletti R., Schuler T., **Sétamou M.**, Sithanantham S., Smith J., Van Son N., Songa J., Sujii E., Tan T.Q., Wan F.-H. & Hilbeck A. **2004**. Biodiversity and non-target impacts: a case study of Bt maize in Kenya. In Hilbeck A. and Andow D. A. (eds.), *Environmental risk assessment of genetically modified organisms Vol. 1*. CABI Publishing, London, UK.
6. Bernal, J.S., J. Prasifka, **M. Sétamou** & K.M. Heinz. **2004**. Transgenic insecticidal cultivars in integrated pest management: challenges and opportunities. In: O. Koul and G. S. Dhaliwal (eds.), *Integrated Pest Management: Potential, Constraints and Challenges*. Marcel Dekker, USA
7. Legaspi, J.C., B. C. Legaspi, Jr., & **M. Sétamou**. **2004**. Insect-Resistant Transgenic Crops Expressing Plant Lectins. In: O. Koul and G. S. Dhaliwal (eds.), *Integrated Pest Management: Potential, Constraints and Challenges*. Marcel Dekker, USA.
8. Overholt, W. A., Conlong, D. E., Kfir, R., Schulthess, F. & **Sétamou, M.** **2003**. *Biological Control* of gramineous lepidopteran stemborers in sub-Saharan Africa. In eds. C. Borgemeister, P. Neuenschwander and J. Langewald "*Biological Control in Africa*".
9. Hell, K., J. Udoh, **M. Sétamou**, K.F.Cardwell & A. Visconti. **1996**: Fungal infection and mycotoxins in maize in the different agroecological zones of Bénin and Nigeria, West Africa. In: Cardwell, K. F. (ed.), *Workshop on Mycotoxins in Food in Africa*, p. 31.Cotonou, Bénin.

Dissertation and Theses

1. **Sétamou, M.**, **1999**. Ecology and pest status of *Mussidia nigrivenella* Ragonot (Lepidoptera: Pyralidae), a cob borer of maize in West Africa. Ph.D. dissertation, University of Hanover, Germany, 131 pp.
2. **Sétamou, M.**, **1996**. Ecology of the insect pests of maize with special reference to *Mussidia nigrivenella* (Lepidoptera: Pyralidae) and the interactions with the aflatoxin producing fungus *Aspergillus flavus*. M.S. thesis, University of Cape Coast, Ghana. 130 pp.
3. **Sétamou, M.**, **1992**. Influence de l'azote et de la silice sur la bioécologie du foreur de maïs *Sesamia calamistis* Hampson (Lepidoptera: Noctuidae) [Influence of nitrogen and silica on the bio-ecology of the maize stemborer *Sesamia calamistis* Hampson (Lepidoptera: Noctuidae)]. Thèse d'Ingénieur Agronome, Université Nationale du Bénin, République du Bénin. 144 pp.

List of Selected Presentations to Learned Societies International

1. **Sétamou, M.** Development of a border spray program against the Asian citrus psyllid. International HLB conference in Orlando, FL, February, 2015.
2. **Sétamou, M.** Biology and worldwide distribution of Asian citrus psyllid. Challenges and opportunities. Oral presentation at North American Plant Protection Organization Meeting, Manzanillo, Mexico, August, 2013.
3. **Sétamou, M.** 2013. Factors governing the host finding behavior of Asian citrus psyllid. Oral presentation at North American Plant Protection Organization Meeting, Manzanillo, Mexico, August, 2013.
4. **Sétamou, M.** Areawide management of citrus psyllid in Texas. International HLB conference in Orlando, FL, February, 2013.
5. **Sétamou, M.,** Integrated management of citrus pests in Texas. Presentation to Citrus Growers in Adana, IOBC Working Group Meeting, Turkey, May 2013.
6. **Sétamou, M.,** Development of a multipest control program in citrus orchards. Presentation to 'Junta Local del Sanidad Vegetal' in Ciudad Obregon, Mexico, July 2014.
7. **Sétamou, M.,** D. Bartels, J. da Graça, and M. Ciomperlik. 2012. Development and implementation of an areawide management strategy in Texas. International Conference of Entomology, Daegu, South Korea, August 2012.
8. **Sétamou, M.,** Integrated management of citrus pests in Texas. Presentation to National Agricultural Research Institute, Agadir, Morocco, July 2012.
9. **Sétamou, M.** 2011. Implementation of psyllid areawide management by citrus growers in Texas. Challenges and opportunities. Oral presentation at North American Plant Protection Organization Meeting, Manzanillo, Mexico, August 15-19, 2011.
10. **Sétamou, M.** Asian citrus psyllid population fluctuations in Texas. International HLB conference in Orlando, FL, February, 2011.
11. **Sétamou, M.** 2010. Development of an area-wide management program for Asian citrus psyllid in Texas. Oral presentation at Fundecitrus Annual Meeting, Araraquara, Brazil, October 10, 2010.
12. Da Graça J.V., **Sétamou, M.,** W. Li, M. Nakhle, J. Rascoe and M. Kunta 2013. Areawide management of Asian citrus psyllid in Texas. International Organization of Citrus Virologists, Skukuza, South Africa.
13. **Sétamou, M.** Areawide management for the integrated control of *Diaphorina citri*. 9th Simposium Internacional Citricola, Tecoman, Mexico (Oct. 2013)

14. Arteaga, H.C., B.C. Storz, D. Flores & **M. Sétamou**. Huanglongbing (HLB) outreach and reduction of Asian citrus psyllid in residential communities in South Texas. 9th Simposium Internacional Citricola, Tecoman, Mexico (Oct. 2013)

National

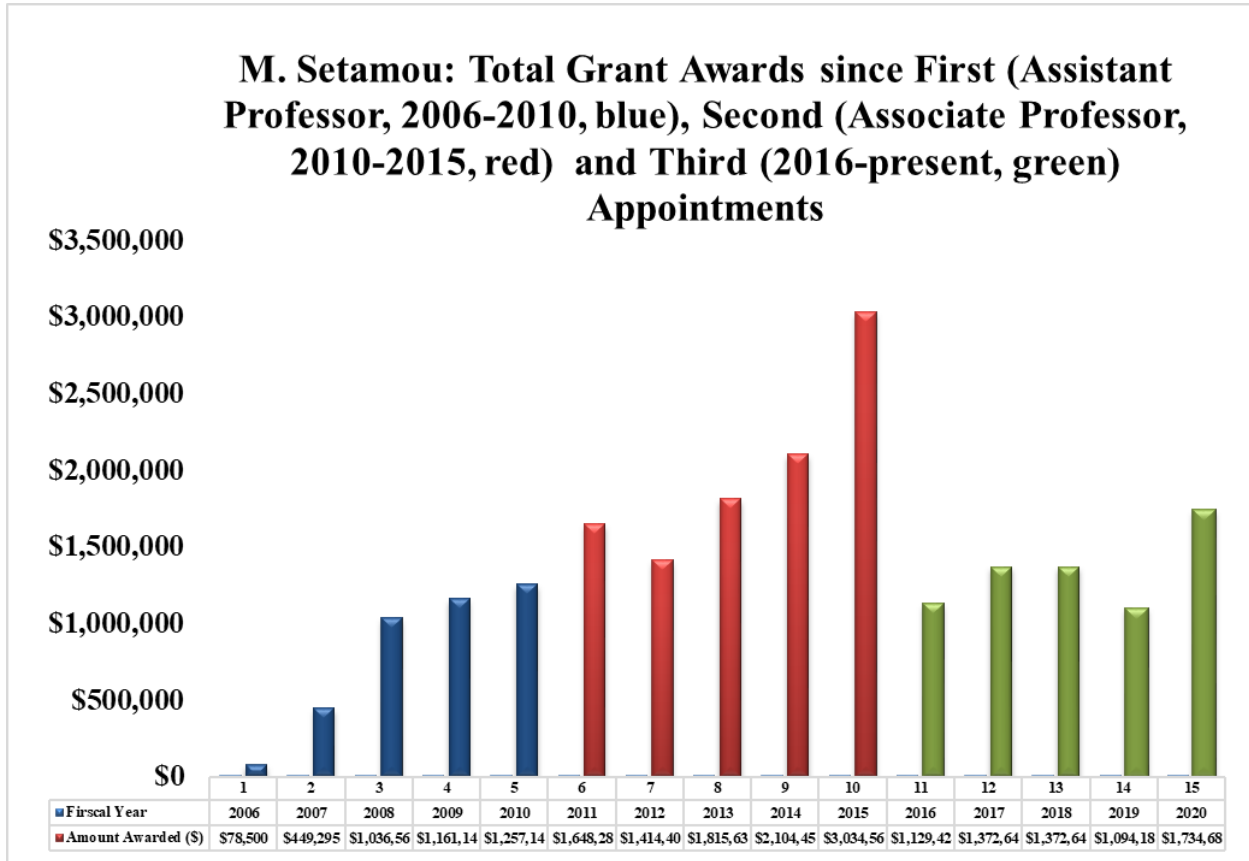
1. Chow, A., C. Dunlap, M.A. Jackson, **M. Sétamou** and J. Patt. A novel system for dissemination of an entomopathogen, *Isaria fumosorosea*, for biological control of the Asian citrus psyllid, *Diaphorina citri*, in abandoned citrus groves. Entomological Society of America Annual Meeting 2014.
2. **Sétamou, M.**, J. Patt and C. Godfrey. Behavioral manipulation methods for sustainable management of Asian citrus psyllid in citrus groves. Entomological Society of America Annual Meeting 2014.
3. **Sétamou, M.**, J. Patt and C. Godfrey. Behavioral manipulation methods for sustainable management of Asian citrus psyllid in citrus groves. Entomological Society of America Annual Meeting 2014.
4. Fuentes, C., J. Enciso, S. Nelson, J. Anciso and **M. Sétamou**. Comparing Water Use Efficiency in South Texas Furrow and Drip Irrigated Watermelon. Irrigation Show and Education Conference, Phoenix, Arizona, 2014.
5. **Sétamou, M.**, J. V. da Graça & *M. Kunta*. Citrus greening in Texas: Steps to mitigate this deadly disease. Annual meeting of the Entomological Society of America-Southeastern Branch, Baton Rouge, LA, March 2013.
6. da Graca. J. V. & **M. Sétamou**. Citrus Huanglongbing – the most serious disease threat to citriculture worldwide and the importance of psyllid control in its management. Annual meeting of the Entomological Society of America, Austin Texas, November 2013.
7. Bartels, D., **M. Sétamou** & D. Hall. How the biology and movement patterns of Asian citrus psyllid influence management choices. Annual meeting of the Entomological Society of America, Austin Texas, November 2013.
8. **Sétamou, M.** & D. Bartels. Development and implementation of an areawide management program for Asian citrus psyllid in Texas. Annual meeting of the Entomological Society of America, Austin Texas, November 2013.
9. Bouharroud, R. and **M. Sétamou** Residual effects of three neonicotinoids commonly used to control Asian citrus psyllid, *Diaphorina citri*. . Annual meeting of the Entomological Society of America, Austin Texas, November 2013.
10. Chow, A., C. Dunlap, M.A. Jackson, **M. Sétamou** and J. Patt. Compatibility of an entomopathogen, *Isaria fumosorosea*, and a parasitoid wasp, *Tamarixia radiata*, for biological control of Asian citrus psyllid, *Diaphorina citri*, in residential citrus. Entomological Society of America Annual Meeting 2013.

11. Reyna, S. M., **M. Sétamou** and S. Ekesi. Morphometric comparisons of citrus rust mite (*Phyllocoptrulla oleivora*) populations in Texas and Kenya. Entomological Society of America Annual Meeting 2013.
12. Reyna, S. M., **M. Sétamou** and S. Ekesi. Molecular and morphometric characterization of the citrus rust mites in Texas. Entomological Society of America Annual Meeting 2013.
13. **Sétamou, M.** Factors affecting population fluctuations of Asian citrus psyllid in commercial citrus groves in Texas. Entomological Society of America Annual Meeting 2012.
14. **Sétamou, M.** Factors governing the fluctuations of Asian citrus populations in Texas. International Society of Horticultural Sciences Meeting, Valencia, Spain, November 2012.
15. **Sétamou, M.** Implementing an area-wide management program for the Asian citrus psyllid in Texas. International Society of Horticultural Sciences Meeting, Valencia, Spain, November 2012.
16. Chow, A., C. Dunlap, M.A. Jackson, **M. Sétamou** and J. Patt. Novel methods for dissemination of *Isaria fumosorosea* and control of Asian citrus psyllid, *Diaphorina citri*, in residential citrus. Entomological Society of America Annual Meeting 2012.
17. Reyna, S. M., **M. Sétamou** and J. H De León. Population dynamics of citrus rust mite in Texas. Entomological Society of America Annual Meeting 2012.
18. Nelson, S.D., M. Esparaza, D. E. Garza, **M. Sétamou** and M. Young. Potential Benefits of Supplemental Calcium Additions for Sustaining Citrus Production and Quality. ASHS Annual Conference 2012.
19. Garza, D. E., S. D. Nelson and **M. Sétamou** Foliar Applications of Micro- and Macronutrients to Control ACP in Citrus. ASHS Annual Conference 2012.
20. Galindo, C., J. Patt, M. Luque-Williams, **M. Sétamou** and K. E. Godfrey. Attraction of traps to Asian citrus psyllid (*Diaphorina citri*) in urban environments. Entomological Society of America Annual Meeting 2011.
21. Louzada, E.L., C.C.Parra, J.V.da Graca, **M. Sétamou** & M. Kunta. Transcriptome analysis of 'Valencia' sweet orange response to Citrus Huanglongbing (HLB) infection. American Phytopathological Society, Austin TX 2012.
22. Kunta, M., C. da la Garza, J.V.da Graca, **M. Sétamou** & E.S.Louzada. Estimation of *Candidatus Liberibacter asiaticus* populations in Texas citrus trees. American Phytopathological Society, Austin TX 2012.
23. Nelson, S. D., **M. Sétamou**, J. D. Erdmann-Garza & M. Esparza. Reduction in psyllid populations using supplemental calcium to trees grown in high calcareous soils. Soil Science Society of America/ American Society of Agronomy/ Crop Science Society of America Conference, Tampa FL (Nov. 2013)

24. **Sétamou, M.** ACP area wide management overview. Citrus Health Research Forum, Denver CO (Oct. 2013).
25. Patt, J & **M. Sétamou.** Attractants for ACP trapping technology. Citrus Health Research Forum, Denver CO (Oct. 2013).
26. Flores, D. & **M. Sétamou.** Biocontrol approaches for Asian citrus psyllid. Citrus Health Research Forum, Denver CO (Oct. 2013).
27. Trevino, J.A., R. Saldana, D. Villalon & **M. Sétamou.** Following the population of the Asian citrus psyllid. XVII. 3rd RGV Organic Conference, Weslaco TX
28. Cantu, L., S. Nelson and **M. Sétamou.** Effect of nitrogen fertilization on host plant quality and on the developmental parameter of Asian citrus psyllid and its nymphal parasitoid *Tamarixia radiata*. Annual Subtropical Agriculture and Environments Society Meeting, Weslaco, TX, February 2015.
29. Stockton, D., J.M. Patt, R. Summy and **M. Sétamou.** Evidence of olfactory learning and memory in *Diaphorina citri*. Annual Subtropical Agriculture and Environments Society Meeting, Weslaco, TX, February 2012.
30. Peddabhoini, N.P., S. Nelson, D. Czokajlo, and M.Sétamou. Development of an “attract and kill” Strategy for Effective Management of Citrus Leafminer (*Phyllocnistis citrella* Stainton) in Texas. Annual Subtropical Agriculture and Environments Society Meeting, Weslaco, TX, February 2012.
31. **Sétamou, M.** Effect of light and diurnal flight patterns of Asian citrus psyllid. Florida Citrus Industry Symposium, Lake Alfred FL, August 2010.
32. **Sétamou, M.** Phenology and field distribution of Asian citrus psyllid. Florida Entomological Society meeting, October 2009.

Research and Scholarly Activities:

Funded Grants: Summary of grants funded since first appointment in 2006.



Professional Growth and Activities:

Membership in Professional Societies

- Member of the Entomological Society of America (ESA)
- Member of the International Association of Black Entomologists (IABE)
- Member of the African Association of Insect Scientists (AAIS)
- Member of the Southwest Branch of ESA
- Member of the International Society of Citriculture (ISE)
- Member of the International Society of Horticultural Sciences (ISHS)
- Members of the Subtropical Plant Science Society (SPS, formerly Rio Grande Valley Horticultural Society)

- Member of the International Association of Entomology
- Members of the Benin Association of Agronomists

Leadership Roles in Professional Societies

- Serving **President** of the International Association of Black Entomologists (IABE)
- Member of the USDA Science and Technology Committee for Citrus Health (Co-Chair of Psyllid Management Group from 2011-2013)
- Serving Board Member of the Texas Citrus Pest and Disease Management Corporation
- Serving Member of the California Citrus Research Board Pest Management Committee
- Texas Citrus Pest and Disease Management Corporation
- Principal Technical Advisor of the Texas Citrus Pest and Disease Management Corporation
- Section Vice President (Entomology) for the Subtropical Plant Science Society
- Associate Editor-Entomology for the Subtropical Plant Science Journal

Other Activities

Consulting activities:

- ❖ Lead Consultant for Agronomy and Integrated Pest Management for Wonderful Citrus, Mexico.
- ❖ Served as the United Nations Food and Agriculture Organization (FAO) Lead Consultant for the development area-wide management program for the Asian citrus psyllid and containment of citrus greening disease in Belize.
- ❖ Consultant for Agronomy and Pest Management for Wonderful Citrus-Mexico Division (formerly Paramount Citrus-Mexico Division).
- ❖ Consultant for OroAgri Inc. for the development of multi-pest management in Citrus in Turkey.

Peer-reviewed several papers from the following journals:

Journal of Insect Behavior, Journal of Applied Entomology, Journal of Economic Entomology, Environmental Entomology, PlosOne, Austral Entomology, Journal of Insect Science, International Journal of Tropical Insect Science, Subtropical Plant Science, Biocontrol, Experimental and Applied Acarology, Entomologia Experimentalis et Applicata, Annals of the

Entomological Society of America, *Naturwissenschaften*, Crop Protection.

Service Activities:

Membership on University, College, and/or Department Committees

- Member of the College Promotion and Tenure Committee
- Member of the Faculty Evaluation Committee
- Served in the Graduate Council, and was the Secretary of the Council for two years (2008-2009).
- Served in the Faculty Senate
- Served in the Graduate and Undergraduate Curriculum Committees
- Participation and presentation of research findings at the Citrus Research Advisory Board Meetings (quarterly meeting since 2006).
- Student Recruitment Fair, TSC, Harlingen Texas, 2012, 2013 and 2014.
- Served in the Search Committees of the Department of Agronomy, Agribusiness and Environmental Sciences for Faculty positions in Agronomy (2007), Agribusiness (2008), Physiology (2009), Plant Pathology (2013-14) Agribusiness (2014), and Physiology (2015).
- Served in the search committee to select an Extension Entomologist at Texas AgriLife Research (TAMU) in Weslaco, 2007.
- Served in the search committee to select an Extension Entomologist at Texas AgriLife Research (TAMU) in Weslaco, 2009.
- Principal Safety Officer for TAMUK Citrus Center since 2007.

Leadership Roles on Committees

- Secretary of the Graduate Counsel 2008-2009.
- Chair of the Search Committee for Citrus Plant Pathologist, 2014.
- Chair of the Promotion and Tenure Committee 2012.
- Co-chair of the USDA-APHIS Science and Technology on Citrus Health Management.

Service Activities outside the University

- Participated at the Career Day at Captain D. Salinas II Elementary School, Alamo, TX.

- Several tours and presentation of Citrus Center research on pest management to Winter Texans and several stakeholders.
- Received a group of students from Germany and made a presentation.
- Judge for the Weslaco School District Science Fair.
- Presented during the tour of the Texas Ag Commissioner (Mr. Todd Staples) in 2007, 2009 and 2011.
- Annually received a group of Winter Texans to tour the Citrus Center.
- Participated in monthly meetings of the Texas Citrus Pest and Disease Management Corporation.
- Participated in semi-annual and annual meetings of the Texas Citrus Mutual.
- Participated in annual meetings of the Texas Citrus Producers Board.
- Participated in the annual meetings of the USDA-APHIS Science and Technology committee meetings.
- Participated in the annual meetings of California Science and Technology committee meetings.
- Served as lead consultant for FAO, Wonderful Citrus, and OroAgri.
- Assist in the development of survey protocol for citrus pest management in Morocco.
- Assist in the creation of the African work group for HLB in Africa.

Service Activities outside the University

- Participated at the Career Day at Captain D. Salinas II Elementary School, Alamo, TX.
- Several tours and presentation of Citrus Center research on pest management to Winter Texans and several stakeholders.
- Board Member of the Solar Electric Light Fund (SELF, www.self.org) in Benin, West Africa. Self is an organization promoting the use of solar energy for the development of sustainable agriculture in developing countries.

Honors and Awards:

- **2019 Senior Research Award, Kleberg College AGNR, TAMUK**
- **United Nations 2015 Momentum for Change Lighthouse Activity Award** to SELF and ADESCA Innovative Solar Market Garden Project in Benin

- ***USDA-APHIS Administrator's Award***, National Achievement Award in Pest Management for the development of psyllid area-wide management in Texas, **January 2013**.
- ***Senior Teacher of the Year Award***, Dick & Mary Lewis Kleberg College of Agriculture, Natural Resources and Human Sciences, Texas A&M University-Kingsville, **2012**.
- ***Research Alumnus of the year***. Texas A&M University-Kingsville, **2011**.
- ***Senior Research Award***, Dick & Mary Lewis Kleberg College of Agriculture, Natural Resources and Human Sciences, Texas A&M University-Kingsville, **2010-2011**.
- ***Junior Research Award***, Dick & Mary Lewis Kleberg College of Agriculture, Natural Resources and Human Sciences, Texas A&M University-Kingsville, **2008-2009**.
- ***Award of Excellence in Research***. USDA-ARS, Weslaco, TX 2005.
- ***Summa cum laude***, University of Hanover, Germany, 1999
- ***Graduate Fellowship***, German Development Agency (DAAD), 1998
- ***Best Young African Insect Scientist***, AAIS, August 1995

Acknowledgement of Correct, Up-to-date Content

I, the undersigned hereby certify that the information provided above is correct and up-to-date.



Signed: _____
Mamoudou Sétamou

Date: _____
November 8, 2021