

CURRICULUM VITAE

Perejitei Ebikirifagha Bekewe, Ph.D.
Postdoctoral Associate – NetZero Initiative
Nutrient Management Spear Program
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EDUCATIONAL BACKGROUND

Texas A&M University, College Station, Texas, USA **2021**

Ph.D., Agronomy

Dissertation: *“Building Soil and Food Security in Wheat Production Systems in Texas”*, Major advisors: Drs. Haly L. Neely, Clark B. Neely, and Jamie L. Foster

North Carolina State University, Raleigh, NC, USA **2017**

M.S., Crop Science

Thesis: *“Defoliation Management effects on Productivity, Persistence, and Nutritive Value of ‘Performer’ Switchgrass”*, Major advisor: Dr. Miguel S. Castillo

EARTH University, Costa Rica **2015**

B.S., Agricultural Science and Agronomic Engineering

Thesis: *“Development of a prototype pilot-digester for biogas production from agricultural waste products”*

EARTH University, Costa Rica **2012**

Advanced Certificate in Spanish as Second Language

TEACHING EXPERIENCE

Texas A&M University, College Station, Texas, USA **2021**

Teaching assistant and grader, Water in Soils and Plants (SCSC 309) with Drs. Briana Wyatt, Kevin McInnes, and Jacqueline Aitkenhead-Peterson

Texas A&M University, College Station, Texas, USA **2019**

Teaching assistant and grader, Introduction to Soils and Soil Science (SCSC 301) with Dr. Peyton Smith

North Carolina State University, Raleigh, NC, USA **2017**

Teaching assistant and grader, World Population and Food Prospects (STS 323) with Dr. Bob Patterson

PROFESSIONAL EXPERIENCE AND IMPROVEMENT

Cornell University, Ithaca, New York, USA

2021 – Present

Postdoctoral Associate – Dairy Soil and Water Regeneration Project (NetZero Initiative), NRCS Rainfall Simulation Project, and N Fertilizer Value Replacement Project (Nutrient Management Spear Program, Animal Science Department)

Texas A&M University, College Station, Texas, USA **2018 - 2021**
Graduate Research Assistant (Soil and Crop Sciences Department)

North Carolina State University, Forage and Grassland Program **2016 - 2017**
Graduate Research Assistant (Crop and Soil Sciences Department)

Center for Research and Development of Renewable Energies (CIDER) EARTH, CR **2015**
Worked as Biogas Laboratory Coordinator

Michigan State University, East Lansing, Michigan, USA **2014**
Internship at Anaerobic Digestion Research and Education Center (ADREC-MSU)
Worked and learned the basic fundamentals of Anaerobic Digestion, important laboratory and analytical skills for monitoring digester performance and assessing the biogas potential of feedstock, commercial scale anaerobic digester operations

EARTH University-Latin American Commission on Biodynamic Agriculture, CR **2012**
• Certificate for participation on the 27th edition of Agro-ecology and Biodynamic Agriculture Movement in Costa Rica

SUMMARY OF INVITED REVIEWS

Journals	Total
Horticultural Science Journal	2
Agronomy Journal	1
Geoderma Journal	1

PUBLICATIONS

- 3) **Bekewe, P. E.**, M.S. Castillo, J.J. Acosta, and R. Rivera. 2020. Defoliation management effects on nutritive value of 'performer' switchgrass. *Crop Sci.* doi: 10.1002/csc2.20036.
- 2) **Bekewe, P.E.**, M.S. Castillo, and R. Rivera. 2019. Harvest Management Effects on Canopy Height and Light Interception of 'performer' Switchgrass and its Relationship with Weed Infestation. *Crop Sci.* 59:1-8 (2019). doi:10.2135/cropsci2018.10.0612.
- 1) **Bekewe, P.E.**, M.S. Castillo, and R. Rivera. 2018. Defoliation Management Affects Productivity, Leaf/Stem Ratio, and Tiller Counts of 'performer' Switchgrass. *Agron. J.* 110:1467-1472. doi:10.2134/agronj2018.01.0003.

SCIENTIFIC ABSTRACTS AND PRESENTATIONS

- 18) Victoria, M., H.R. Leggette, J.L. Foster, H. Neely, C. Neely, K. Lewis, **P.E. Bekewe**, and J. Parrella. (2021, March 29-April 2). Adopt What? Describing Louisiana wheat producers' level of adoption of soil health management practices [Poster Presentation]. Texas A&M Student Research Week, College Station, TX, United States.

- 17) Victoria, M., H.R. Leggette, J.L. Foster, H. Neely, C. Neely, K. Lewis, **P.E. Bekewe**, and J. Parrella. (2021, July 26-28). Adopt What? Describing Louisiana wheat producers' level of adoption of soil health management practices [Poster Presentation]. 76th Soil and Water Conservation Society International Annual Conference, Virtual event.
- 16) **Bekewe, P.E.**, H.L. Neely, C.B. Neely, J.L. Foster, K.L. Lewis, T.W. Boutton, B. Gerrish, and A.J. Gyawali. 2020. Comparing soil health parameters in no-till and conventional tillage farms across three ecoregions in Texas. ASA-CSSA-SSSA 2020 International Meetings, Phoenix, AZ, Nov. 8-11. (Abstr.)
- 15) Foster, J.L., **P.E. Bekewe**, H.L. Neely, C.B. Neely, L.E. Tomlin, and K.L. Lewis. 2020. *Wheat double cropping systems to improve soil health* [abstract]. In: Proceedings of the Soil and Water Conservation International Annual Conference; 2020 Jul. 26-29; Des Moines, IA.
- 14) Victoria, M., H.R. Leggette, J.L. Foster, H. Neely, C. Neely, K. Lewis, **P.E. Bekewe**, B.J. Gerrish, and J. Parrella. 2020. *Minding the microbes: The adoption of soil health management techniques by Oklahoma wheat producers* [abstract]. In: Proceedings of the Soil and Water Conservation International Annual Conference; 2020 Jul. 26-29; Des Moines, IA.
- 13) **Bekewe, P.E.**, H.L. Neely, C.B. Neely, J.L. Foster, K.L. Lewis, B. Gerrish, L.E. Tomlin, and T.W. Boutton. 2020. *Building Soil Health and Food Security in Wheat-Based Cropping Systems in Texas* [abstract]. In: Proceedings of the Soil Survey and Land Resource Workshop; 2020 Feb. 6 – 7; College Station, TX.
- 12) Victoria, M., H.R. Leggette, J.L. Foster, H. Neely, C. Neely, K. Lewis, **P.E. Bekewe**, B.J. Gerrish, and J. Parrella. 2020. *Measuring adoption of soil health practices of wheat producers in Texas* [abstract]. In: Proceedings of the National Agricultural Communication Symposium; 2020 Feb. 2-3; Louisville, KY.
- 11) **Bekewe, P.E.**, H.L. Neely, C.B. Neely, L.E. Tomlin, J.L. Foster, K.L. Lewis, T.W. Boutton, and B. Gerrish. 2019. *Towards Improving Soil Health in Wheat Cropping Systems in Texas* [abstract]. In: Proceedings of the 31st Annual Texas Plant Protection Conference; 2019 Dec. 10 – 11; Bryan, TX.
- 10) **Bekewe, P.E.**, H.L. Neely, C.B. Neely, L.E. Tomlin, J.L. Foster, K.L. Lewis, and T.W. Boutton. 2019. *Can Double Cropping Provide Similar Soil Health Benefits As Cover Cropping in Texas?* [abstract]. In: Proceedings of the ASA-CSSA-SSSA International Meetings; 2019 Nov. 10 – 13; San Antonio, TX.
- 9) **Bekewe, P.E.**, H.L. Neely, C.B. Neely, L.E. Tomlin, J.L. Foster, K.L. Lewis, and T.W. Boutton. 2019. *The Impact of Reduced Tillage and Double Cropping on Soil Moisture Dynamics* [abstract]. In: Proceedings of the ASA-CSSA-SSSA International Meetings; 2019 Nov. 10 – 13; San Antonio, TX.
- 8) Stufflebeam, A., H.L. Neely, **P.E. Bekewe**, K.L. Lewis, J.L. Foster, and C.B. Neely. 2019. *Comparing the Impact of Short-Term Soil Health Practices on Aggregate Stability across*

- Texas [abstract]. In: Proceedings of the ASA-CSSA-SSSA International Meetings; 2019 Nov. 10 – 13; San Antonio, TX.
- 7) Pintar, J.R., A.P. Smith, H.L. Neely, C.B. Neely, J.L. Foster, K.L. Lewis, **P.E. Bekewe**, A. Joshi Gyawali, and J. Desrochers. 2019. *Developing Spatial Sampling Strategies for Monitoring Microbial Activity for Soil Health* [abstract]. In: Proceedings of the ASA-CSSA-SSSA International Meetings; 2019 Nov. 10 – 13; San Antonio, TX.
- 6) **Bekewe, P.E.**, H.L. Neely, C.B. Neely, J.L. Foster, K.L. Lewis, B. Gerrish, and T.W. Boutton. 2019. *The Impact of Double Cropping and Tillage Systems on Cropping Systems Productivity in Three Ecoregions in Texas* [abstract]. In: Proceedings of the Small Grains Workers Meeting; 2019 Aug. 28; College Station, TX.
- 5) **Bekewe, P.E.**, H.L. Neely, C.B. Neely, J.L. Foster, K.L. Lewis, and T.W. Boutton. 2019. *The Impact of Double Cropping and Tillage Systems on Soil Health in Wheat Cropping Systems in Three Ecoregions in Texas* [abstract]. In: Proceedings of the Soil Survey and Land Resource Workshop; 2019 Feb. 7 – 8; College Station, TX.
- 4) **Bekewe, P. E.**, H.L. Neely, C.B. Neely, J.L. Foster, K.L. Lewis, and L.E. Tomlin. 2019. *Towards Improving Soil Health in Wheat Cropping Systems in Texas* [abstract]. In: Proceedings of the SSSA International Meetings; 2019 Jan. 6 – 9; San Diego, CA.
- 3) **Bekewe, P. E.**, M.S. Castillo, A.J. Franzluebbbers and M.H. Poore. 2017. *Defoliation management effects on productivity, persistence, and nutritive value of ‘Performer’ switchgrass* [abstract]. In: Proceedings of the ASA, CSSA, and SSSA Annual Meeting; 2017 Oct. 22 – 25; Tampa, FL.
- 2) **Bekewe, P. E.**, M.S. Castillo. 2017. *Defoliation frequency and intensity effects on productivity and persistence of ‘performer’ switchgrass* [abstract]. In: Proceedings of the 71th Southern Pasture and Forage Crop Improvement Conference (SPFCIC); 2017 Jun. 5 – 7; Knoxville, TN.
- 1) **Bekewe, P. E.**, M.S. Castillo. 2017. *Defoliation management effects on production and persistence of ‘performer’ switchgrass* [abstract]. In: proceedings of the 12th Annual Graduate Student Research Symposium North Carolina State University; 22 Mar. 2017. Raleigh, NC.

AWARDS AND SCHOLARSHIPS

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| MasterCard Foundation Scholarship | 2012-2015 |
| Full scholarship based on academic excellence to pursue B.S. Agricultural Science and Agronomic Engineering at EARTH University, Costa Rica. | |
| EARTH University, Costa Rica | 2015 |
| Best Graduation Project (Thesis) in Renewable Energies Category. | |
| University Scholarship Scheme Shell Nigeria | 2010-2011 |
| A competitive scholarship based on academic excellence to pursue a Bachelor Degree in Forest Resources Management at the University of Ibadan, Nigeria. | |

Ondo State Oil Producing Area Development Commission, Nigeria **2010 - 2011**
 A competitive scholarship based on academic excellence to pursue a Bachelor Degree in Forest Resources Management at the University of Ibadan, Nigeria.

Bayelsa State Government Scholarship Board, Nigeria **2011**
 A competitive scholarship based on academic excellence to pursue a Bachelor Degree in Forest Resources Management at the University of Ibadan, Nigeria.

University of Ibadan, Nigeria **2011**
Department of Forest Resources Management (TREE CLUB) Awards
 Most outstanding personality of the year. This award is given to the student who had made positive impact, contributed greatly and selflessly towards the development and success of the TREE CLUB.

University of Ibadan, Nigeria **2010**
Nigerian Association of Agricultural Students (NAAS) AWARDS
 Most outstanding personality of the year. This award is given to the student who participated actively in the activities of moving the association forward, contributed positively and unconditionally to the growth, development, and proper functioning of the association.

LANGUAGES

- English (fluent), Spanish (fluent), Ijaw (fluent and native language), and Yoruba (fluent)

PROFESSIONAL MEMBERSHIPS

- Crop Science Society of America
- American Society of Agronomy
- Soil Science Society of America

UNDERGRADUATE STUDENTS MENTORED/SUPERVISED

Student	Role	Project/Work	Year	Graduated
Nick Frisbee	Supervisor	Student worker	2018 - 2020	Graduated
Jacobb Pintar	Supervisor	Student worker	2019 - 2020	Graduated
Shelby Harrell	Mentor/Supervisor	Student worker	2019 - 2020	Graduated
Darius Ford	Mentor/Supervisor	Student worker	2019 - 2021	Graduated
Ashtyn Stufflebeam	Supervisor	Student worker	2018 - 2020	Graduated
Walker Crane	Supervisor	Student worker	2019	Graduated
Morgan Sanders	Supervisor	Student worker	2018 - 2019	Graduated
TOTAL	7			7