



Muir, James Pierre

Tel. 1-254-977-3293 J-MUIR@TAMU.EDU

Ph.D. Agronomy 1989: University of Florida, USA

- Certificate in African Studies
- Minor in Tropical Agriculture

M.S. Agronomy 1985: University of Florida, USA

B.S. Biology/Ecology 1981: Wheaton College, Illinois USA

Languages:

English, native fluency
French, conversant
Kiswahili, basic

Portuguese, native fluency
Spanish, conversant

Fellow: American Society of Agronomy & Crop Science Society of America

Regents Professor: Texas A&M University System

Professional and Academic Experience:

2013-Present	25% teaching appointment at Tarleton State University, Texas
2012-14	Sabbatical, Universidade Federal Rural de Pernambuco, Brazil
2012	Ukulima Research Farm Director, Alma, South Africa
1997-Present	Professor, Texas A&M University & AgriLife Research, Stephenville
1997	Winrock/Heifer Project country representative, Moçambique
1989-1997	Visiting agronomist, Instituto de Produção Animal, Moçambique
1987	Fulbright-Hays Fellow to Universidade Eduardo Mondlane, Moçambique

Recent Key International Research Activities, invited talks:

- 2023, FAS funded research on climate-smart grasslands, Brazil.
- 2023, USDA funded research on wildlife/agriculture conflict in Botswana.
- 2023, Invited talk on forage legume epigenetics, International Grassland Congress, USA.
- 2022, Graduate course, Legume Ecosystems Services UFRPE Recife Brazil.
- 2022, International Grassland Congress, Nairobi, Kenya. Legume tree ecosystems services.
- 2020, International Online Congress on Beef Cattle. Brazil, Argentina, Uruguay.
- 2019, Universidad Nacional del Sur, Bahia Blanca Argentina, short course
- 2019, Gulten Girgin, Turkey, MSc student Texas A&M
- 2019, Study Abroad Portugal and Spain, Tarleton State University
- 2019, 6th International Grazing Livestock Symposium invited speaker, Viçosa Brazil

- 2019, Gorongosa National Park research prospect, Moçambique
- 2018, Drought Mitigation Forum invited speaker, Recife Brazil
- 2018, International Conference on Forages in Warm Climates speaker, Lavras Brazil
- 2018, Animal Science Society of America, invited speaker, Vancouver Canada
- 2016, Latin American Animal Production Congress, invited speaker, Recife Brazil
- 2016, Universidad Del Sur, Argentina graduate intern, Clara Milano
- 2016, Universidade Federal Rural de Pernambuco, Brazil grad research supervisor

Recent Research Published in Refereed Journals (*denotes student/post doc):

Grote, A.J., C.C. Nieman, I.R. Thomas, K.P. Coffey, **J.P. Muir** and J.L. Klotz. 2023. Effect of quebracho tannin (*Schinopsis quebracho-colorado* (Schltdl.) F.A. Barkley and T. Meyer) on silage nutritive value, ergovaline concentration, and fermentation parameters of tall fescue (*Schedonorus arundinaceus* (Shreb.) Dumort) with two dry-matter levels. *Agronomy* 13, 694. <https://doi.org/10.3390/agronomy13030694>

*Gutiérrez, S., **J. P. Muir**, D. B. Murray and W. B. Smith. Native and introduced ornamental bunchgrass seedling response to restricted soil-moisture conditions. 2023. *Native Plants*. (at press)

*Taggart, C. B., **J. P. Muir**, J. A. Brady, E. Kan, A. B. Mitchell, and O. Obayomi. 2023. Impacts of biochar on *Trifolium incarnatum* and *Lolium multiflorum*: soil nutrient retention and loss in amended sandy loam. *Agronomy* 13, 26. <https://doi.org/10.3390/agronomy13010026>

Obayomi, O.A., C. Taggart, J.A. Brady, E. Kan and **J.P. Muir**. Dairy manure-derived biochar in soil enhances carbon, nutrient metabolism, and soil fertility by altering the soil microbial community. *Geoderma*. (at press)

Palauro Spasiani, P., B. Grossi Costa Homem, I. Braz Gonçalves de Lima, B. Costa Guimarães, E. Silva de Medeiros, **J. P. Muir**, M. Silva de Oliveira., R. M. Boddey, D. Rume Casagrande. 2023. Light competition is the key determining legume proportion spatio-temporal variability of Marandu palisadegrass-forage peanut mixed pastures. *Crop & Pasture Science* (at press)

*Norris, A.B., M.S. Miller, **J.P. Muir**, R.M. Harp, and L.A. Kinman. 2023. Winter dynamics of white-tailed deer browse nutritive value in the southern Cross Timbers and Prairies of Texas. *Southwestern Naturalist*. (at press)

*Herzberger, L.A., **J.P. Muir**, A. Mitchell & W.B. Smith. 2022. Assessing arthropod communities during grassland restoration in the southern Great Plains of North America. *Southwestern Entomologist*. 47(2):371-384.