

DANILO G. QUADROS
INTERACTIVE CURRICULUM VITAE
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Texas A&M AgriLife Research and Extension Center
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Education

Ph.D in Animal Science	 SAO PAULO STATE UNIVERSITY	Jaboticabal, SP, Brazil	2004
M.Sc. in Animal Science	 SAO PAULO STATE UNIVERSITY	Jaboticabal, SP, Brazil	2001
M.P.S. in Renewable Energy and Sustainability Systems		World Campus, PA, USA	2020
G. Cert. in Bioenergy		World Campus, PA, USA	2016
B.S. in Agronomy	 STATE UNIVERSITY OF SOUTHWESTERN BAHIA	Vitoria da Conquista, BA, Brazil	1999

Professional appointment/Employment history

Post-Doctoral Research Associate		San Angelo, TX, USA	2019 – to date
Distinguished Professor (tenured)	 Bahia State University	Barreiras, BA, Brazil	2018 – to date (licensed)
Visiting professor	 UNIVERSITY OF HOHENHEIM	Stuttgart, BW, Germany	2017-2017

Full Professor (tenured)	 Bahia State University	Barreiras, BA, Brazil	2013 – 2017
Volunteer writer and analyst (non-profit organization)		Frederick, MD, USA	2013-to date
Post-Doctoral Research Scholar		Gainesville, FL, USA	2013 – 2015
Secretary of Agriculture		Formosa do Rio Preto, BA, Brazil	2011 – 2012
Associate Professor (tenured)	 Bahia State University	Barreiras, BA, Brazil	2008 – 2012
Research director	 Bahia Agricultural Development Company Inc.	Barreiras, BA, Brazil	2007 – 2007
Assistant Professor (tenured)	 Bahia State University	Barreiras, BA, Brazil	2004 – 2007
Assistant Professor (tenure-accruing)	 Bahia State University	Barreiras, BA, Brazil	2002 – 2004

Administrative

Co-Executive Director		Texas A&M AgriLife Research	2019-to date
Director		Bahia State University	2002 – 2019

Dean		College of Veterinary Medicine	Bahia State University	2017-2019
Director		Renewable Energy in Agriculture Center	Bahia State University	2017 – 2019
Dean		PRONERA National Education Program in Agrarian Reform College of Agricultural Engineering	National Institute for Colonization and Agrarian Reform/Bahia State University	2009-2011

University Committees

Animal Welfare Committee	Bahia State University	2010-2018
Eduneb Academic Press Committee	Bahia State University	2017-2018
Scientific Committee	Bahia State University	2010-2011

Research & Extension programs

	Texas A&M AgriLife Research	Assistant	2019-to date
	Bahia State University	Coordinator	2003-2019
	Bahia State University	Coordinator	2003-2019
	Bahia State University	Coordinator	2007-2012

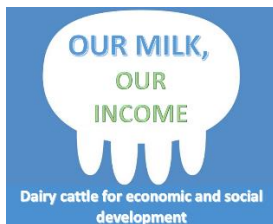


Bahia State University Coordinator 2008-2011

Extension programs and projects



Texas A&M System/State of Qatar Project developer 2019



Bahia State University Coordinator 2015-2019



National Service for Rural Learning/National Agriculture Council Senior consultant 2018-2019



National Service for Rural Learning/National Agriculture Council Senior consultant 2017-2019



Bahia State University Coordinator 2016-2019



National Service for Rural Learning/National Agriculture Council Regional consultant 2015-2017



Government of State of Bahia / Mundial Bank

Consultant

2016-2019



National Service for Rural Learning/National Agriculture Council

Instructor

2003-2012



Bahia State University/Barreiras City Council

Coordinator

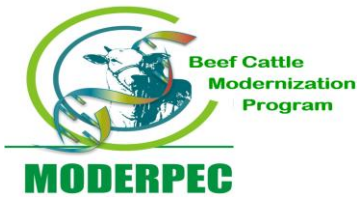
2008-2009



National Service for Rural Learning/National Agriculture Council

Regional consultant

2011-2013



National Service for Rural Learning/National Agriculture Council

Regional consultant

2010-2011



Brazilian Agricultural Research Corporation

Regional coordinator

2008-2011



Ministry of the Environment

Instructor

2007-2008

Lines of research

Beef Cattle	Sustainable beef cattle production in integrated crop-livestock systems; protein and energy supplementation on pastures; feeding behavior; carcass evaluation, classification and grading; meat quality; African dung beetles for biological control of parasites; alternative feedstuffs for reducing cost of cow-calf operations and feedlot diets; long-term effects of fetal nutrition.
Small Ruminant	Rangelands vs. cultivated pastures for small ruminant production; interaction between type of grass and worm diseases in sheep and goats; pasture intake and feed digestibility; particle size effect on lamb feedlot diets; alternative feeds for small ruminants; plant secondary compounds (condensed tannins and terpenes) in small ruminant nutrition.
Dairy cattle	Milk quality and mastitis incidence in small, medium and large dairy operations; novel feed studies.
Ruminant nutrition	Physical, chemical and biological treatments for low quality roughages i.e. cotton gin trash, and other byproducts (soybean hulls, coffee hulls, sisal, low-quality hay) for beef cattle, small ruminants and dairy cattle; techniques for grass silage improvement (microbial additives, nutritive additives); forage conservation (sugarcane, forage palm, cassava, hay, silage); pasture intake using internal and external markers; rumen fluid studies; plant secondary metabolites in ruminant nutrition, enteric methane emission.
Forages and pastures	Forage resources and management of rangelands; forage legumes and grasses breeding programs; variety trials; establishment of perennial warm season grasses intercropped with annual grasses; forages grasses for hay; rotational grazing pasture management; pasture fertilization trials; tropical forage legumes establishment and management; seed production; roots; trampling effects.
Bioenergy	Anaerobic digestion of manure for biogas and biofertilizer production; biogas production from agricultural by-products; co-generation using biogas and hydropower; biochar for carbon sequestration; biopower and drop-in biofuels from grasses.
Environment	Carbon sequestration; water recharge and quality; biochar; dung beetle biodiversity; GHG emissions; life-cycle assessment.

Teaching experience

Bahia State University	15+ years of teaching in undergraduate and graduate programs: Elements in Animal Science, Beef and Dairy Cattle Production, Forages and Pastures, Integrated Crop-Livestock Systems, Energy in Agriculture, Internship in Agronomy.
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Federal University of Pernambuco/Federal University of Sao Francisco/Bahia State University

PhD in [Agroecology and Regional Development Program](#): Sustainable livestock production class.

Awards and scholarship

NEWBio Northeast Woody/Warm-season Biomass Consortium Graduate Distance Education Scholarship	US Department of Agriculture	2014-2015
Science Without Borders Program: Post-Doctoral Research	Brazilian National Council for Scientific and Technological Development	2013-2015
Best Senior Researcher, Professor Alvacir Brito Barbosa Award	Bahia State University	2008
1 st place among 900 Agronomist/Animal Scientist/Veterinarian State Contest	Bahia Agricultural Development Company	2006
PhD Degree scholarship	Bahia State University	2003-2004
PhD Degree scholarship	Brazilian National Council for Scientific and Technological Development	2002-2003
PhD Degree scholarship	Brazilian Coordination for the Improvement of Higher Education Personnel	2001-2002
Master Degree	Brazilian Coordination for the Improvement of Higher Education Personnel	1999-2001
Undergraduate Research Initiation Program Scholarship	Brazilian National Council for Scientific and Technological Development	1996-1998

Grants to research, research & extension, and extension programs and projects

Indirect funds

The articulation between primary and secondary partners of a specific program or project considered the utilization of their own staff and funds to achieve the common goals. It means the funds were executed according to a pre-established plan, but they did not were transferred to the university or researcher account. In this session, we estimated all the investments in our projects and projects:

Provincapri: \$ 35 million to “BulkMobile”, extension agents, instructors, consultants, supervision, equipment, animals, short courses and trainings, publicity, transportation, logging and other

expanses). Primary partners: Government of Bahia, Bahia Agricultural Development Company, Brazilian National Agriculture Learning Service, Brazilian Micro and Small Business National Development Service, Agricultural Workers Federations and Syndicates. Secondary partners: private companies.

Our Milk, Our Income: \$ 50 million to extension agents, instructors, consultants, supervision, equipment, construction of milk processing plants, vehicles, semen, labor, short courses and trainings, laboratory (AnaMilk), publicity, transportation, logging, and other expanses. Primary partners: Brazilian National Agriculture Learning Service and Government of Bahia, Agricultural Workers Federations and Syndicates. Secondary partners: private companies.

Hope Project: \$ 2.5 million to forage plants introduction and multiplication areas, regional and local events and trainings, publicity, transportation and other expanses. Primary partner: Western Bahia Coalition for Drought Mitigation in Livestock Production (Barreiras, Luis Eduardo Magalhaes, Formosa do Rio Preto, Santa Rita de Cassia, Angical, Catolandia, Cristopolis, Wanderley, Baianopolis, Santa Maria da Vitoria). Secondary partners: private companies.

West Milk Project/Full Bucket: \$ 5 million to research, extension agents, technical trips, demonstrative units, regional and local events, field days cycles, consultants, publicity, transportation, logging and other expanses. Primary partner: Full Bucket Governance (Bahia State University, Northeast National Bank, Bahia Agricultural Development Company, Barreiras, Luis Eduardo Magalhaes, Formosa do Rio Preto, Santa Rita de Cassia, Angical, Catolandia, Wanderley, and Baianopolis City Councils). Secondary partners: private companies.

Direct grants

The list below is related to direct funds in the university account in my name (PI), or under my responsibility of applying them according to a pre-approved plan:

2017 to 2019

\$ 7,5 million from Government of Bahia/World Bank

As part of Our Milk, Our Income and Provicapri Programs, I raised funds from Government of Bahia/World Bank direct to Small producers` Cooperatives and Associations for producing, installing inspected processing plants (buildings, equipment, other materials) and commercializing livestock products (Western Milk Producers Cooperative, Macaubas Agricultural Cooperative, Wanderley Milk Producers Association, Paratinga Agricultural Development Association). I elaborated the business plans and was responsible to make sure the funds were spent according to the pre-approved plan.

2017

\$ 10,000,00 from UNEB and other partners to 2nd Strategies for Dry Season Feeding Animals Symposium, including book editing.

\$ 15,000,00 from UNEB and other partners to 1st Workshop of Renewable Energy in Agriculture.

2016

\$ 15,000,00 from UNEB and other partners to Hope Project: Side by side with producers in drought effects mitigation, including handbook publishing.

\$ 3,000,00 from UNEB to Website of Animal Science and Education Center: 15 years, including handouts.

\$ 10,000,00 from UNEB and other partners to 1st Strategies for Dry Season Feeding Animals Symposium, including book editing.

2015

\$ 90,000.00 from FAPESB (contract of intellectual property number 016/2005) to “Development of technologies to improve the nutritive value of cotton gin trash to feed dairy cattle” project.

\$ 50,000.00 from UNEB to ANAMILK – Milk and Dairy Products Analysis Lab.

2008-2011

\$ 10,000.00 from UNEB to Superbeetle project (research, transportation, logging, materials, and other expanses)

2009 and 2010

\$ 15,000.00 from Barreiras City Council-BA to technical dynamics in the Expobarreiras fair, including the release of two books, 1,000 copies, containing texts of the lectures.

2009

\$ 300,000.00 from PETROBRAS and UNEB (cooperation agreement N.0050.0055082.09.9) to the Laboratory of Animal Nutrition and Pastures/Animal Science Research and Extension Center/Bahia State University campus IX and conduct the project “Urea utilization in cattle supplements and to treat low quality roughages”.

2008

\$ 15,000.00 from Barreiras City Hall, BA, to EduFarm Project.

2004

\$ 16,000.00 from National Research Council and Technology (022/2004 CT) to the project “Goat / sheep manure anaerobic digestion”

\$ **15,000.00** from USAID to the project “Goat / sheep manure biodigestion” (in partnership with Winrock International, non-governmental organization).

2003

\$ **10,000.00** from Bahia State University and other local partners to the “Forage Plants Demonstration Unit”, Bahia State University campus IX.

Publications

Refereed Journals

Batista, P.B.; Gonzaga Neto, S.; **Quadros, D.G.**; Araújo, G.G.L.; Whitney, T.R.; Tolleson, D.R.; Souza, H.N. Energy and protein supplementation to improve efficiency and profitability of cattle production in Santa Fe integrated crop-livestock system. *Renewable Agriculture and Food Systems* (in review)

Whitney, T.R.; **Quadros, D.G.**; Kerth, C.R. Substituting dried distillers grains for cottonseed meal and sorghum grain in lamb feedlot diets: growth, blood serum, wool, carcass, adipose tissue fatty acid composition, and sensory panel traits. *Journal of Animal Science* (in review)

Quadros, D.G.*; Whitney, T.R.; Weishuhn, C. Influence of particle size of cotton seed hulls and bermudagrass hay on feedlot lambs sorting behavior, intake, ruminal fluid parameters, blood serum chemistry and growth performance. *Animal Feed Science and Technology* (in review)

Whitney, T.R.; **Quadros, D.G.**; Stewart, W.C.; Kerth, C.R. Incorporating dried distillers grains with solubles into sheep production. Part I: supplementation programs. *Sheep and Goat Research* (in review)

Oliveira, G.; **Quadros, D.G.**; Andrade, A.P. Nutritive value of sisal leaf decortication co-product treated with urea and exogenous fibrolytic enzymes. *Amazonian Journal of Agricultural and Environmental Sciences* (Portuguese) (in review)

Batista, P.B.; Gonzaga Neto, S.; **Quadros, D.G.**; Araújo, G.G.L.; Souza, C.G.; Sabedot, M.A. Qualitative traits of the meat of Nellore steers supplemented with energy and protein in an integrated crop-livestock system. *Animal Production Science*, v. 60, p. 464-472, 2020. DOI: [10.1071/AN18475](https://doi.org/10.1071/AN18475)

Andrade, A.P.; Figueiredo, M.P.; **Quadros, D.G.***; Ferreira, J.Q.; Whitney, T.R.; Luz, Y.S.; Santos, H.R.O.; Souza, M.N.S. Chemical and biological treatment of cotton gin trash for fattening Santa Ines lambs. *Livestock Science*, v. 240, 104146, 2020. DOI: [10.1016/j.livsci.2020.104146](https://doi.org/10.1016/j.livsci.2020.104146)

Quadros, D.G.; Johnson, T.; Whitney, T.R. ; Oliver, J.; Chavez, A.O. Plant-derived natural compounds for tick pest control in livestock and wildlife: pragmatism or utopia? *Insects*, v. 11, 490, 2020. DOI: [10.3390/insects11080490](https://doi.org/10.3390/insects11080490)

Silveira, M.L.; Brandani, C.B.; Kohmann, M.M.; Erickson, J.E.; Reyes-Cabrera, J.; Leon, R.G.; Sollenberger, L.E.; Piotto, V.; **Quadros, D.G.;** Mello, S.Q.S. Short-term effects of bioenergy cropping on soil carbon and nitrogen dynamics in a Florida Ultisol. *Soil Science Society of America Journal*, v.84, p. 1233-1246, 2020. DOI: [10.1002/saj2.20081](https://doi.org/10.1002/saj2.20081)

Reyes-Cabrera, J.; Erickson, J.E.; Leon, R.G.; **Quadros, D.G.;** Silveira, M.L.; Sollenberger, L.E. Bahiagrass pasture and elephantgrass bioenergy cropping systems differ in root traits. *Agronomy Journal*, 2020. DOI: [10.1002/agj2.20382](https://doi.org/10.1002/agj2.20382)

Quadros, D.G.*; Andrade, A.P.; Silva, G.A.V.; Kanematsu, C.H. Does higher technology level and daily milk production propitiate better milk quality and less bovine mastitis occurrence? *Academic Journal: Animal Science*, v. 17, e17003, 2019. (Portuguese) DOI: [10.7213/1981-4178.2019.17003](https://doi.org/10.7213/1981-4178.2019.17003)

Quadros, D.G.*; Teles, E.B.S.; Santos, L.H.B.; Andrade, A.P. Agronomic traits and forage yield of commercial forage sorghum genotypes in Western Bahia. *Agrarian Academic Journal*, v. 2, p. 45-59, 2019. (Portuguese) DOI: [10.32406/v2n22019/45-59/agrariacad](https://doi.org/10.32406/v2n22019/45-59/agrariacad)

Quadros, D.G.*; Andrade, A.P.; Souza, H.N.; Oliveira, D.N.; Almeida, R.G. Nutritive value of ammoniated cotton gin trash for feedlot beef cattle. *Agrarian Academic Journal*, v. 2, p. 125-137, 2019. (Portuguese) DOI: [10.32406/v2n22019/125-137/agrariacad](https://doi.org/10.32406/v2n22019/125-137/agrariacad)

Batista, P.B.; Zambom, M.A.; Santos, P.E.F.; Albuquerque, I.R.R.; **Quadros, D.G.;** Pereira, M.M. Bioeconomic characterization of different ages mating of beef cattle in the southwest of Bahia and in the southwest of Parana. *Brazilian Journal of Animal and Environmental Research*, v. 2, p. 1223-1236, 2019. (Portuguese)
<https://www.brazilianjournals.com/index.php/BJAER/article/view/2579>

Bezerra, A.R.G.; **Quadros, D.G.;** Andrade, A.P. Establishment and biomass production of gamba and palisade grasses associated with pearl millet. *Amazonian Journal of Agricultural and Environmental Sciences*, v. 62, p. 1-9, 2019. DOI: [10.22491/rca.2019.3001](https://doi.org/10.22491/rca.2019.3001)

Quadros, D.G.*; Souza, H.N.; Andrade, A.P.; Bezerra, A.R.G.; Guedes, R.A.; Sá, A.M.; Oliveira, D.N.S.; Franco, G.L. Bioeconomic evaluation of supplementation strategies of zebuine steers grazing on stockpiled palisade grass in the dry season. *Brazilian Journal of Animal Health and Production*, v.17, n.3, p.461-473, 2016. (Portuguese) DOI: [10.1590/S1519-99402016000300012](https://doi.org/10.1590/S1519-99402016000300012)

Quadros, D.G.*; Oliver, A.P.M.; Regis, U.; Valladares, R. Economic analysis of plug-flow anaerobic digester to take advantage of goat manure in Brazilian northeastern smallholder farms.

Journal of Energy in Agriculture, v. 30, p. 01-10, 2015. (Portuguese) DOI: [10.17224/EnergAgric.2015v30n1p01-10](https://doi.org/10.17224/EnergAgric.2015v30n1p01-10)

Quadros, D.G.*; Paes, B.R.; Vieira, G.A.; Andrade, A.P.; Miranda, A.M.; Araújo, J.A.M.; Azevedo, P.S. Classification and grading of beef carcasses from western region of Bahia during two seasons of the year. Bulletin of Animal Husbandry, v. 72, p. 102-110, 2015. (Portuguese) DOI: [10.17523/BIA.V72N2P102](https://doi.org/10.17523/BIA.V72N2P102)

Monção, O.P.; Carvalho, G.G.; Ribeiro, P.R.C.; **Quadros, D.G.** Biodiversity of dung beetles in three different areas of southern Bahia. Biosphere Encyclopedia, v. 10, p. 3808-3813, 2014. (Portuguese) <http://www.conhecer.org.br/enciclop/2014a/MULTIDISCIPLINAR/Biodiversidade.pdf>

Andrade, A.P.; **Quadros, D.G.**; Bezerra, A.R.G.; Almeida, J.A.R.; Silva, P.H.S.; Araújo, J.A.M. Qualitative aspects of elephantgrass silage with corn meal and soybean hulls. Semina Agricultural Sciences, v. 33, p. 1209-1218, 2012. (Portuguese) DOI: [10.5433/1679-0359.2012v33n3p1209](https://doi.org/10.5433/1679-0359.2012v33n3p1209)

Quadros, D.G.*; Silva Sobrinho, A.G.; Rodrigues, L.R.A.; Oliveira, G.P.; Xavier, C.P.; Andrade, A.P. Effect of three species of forage grasses on pasture structure and vertical distribution of infective larvae of gastrointestinal nematodes of sheep. Brazilian Animal Science, v. 13, p. 139-144, 2012. (Portuguese) DOI: [10.5216/cab.v13i2.4973](https://doi.org/10.5216/cab.v13i2.4973)

Quadros, D.G.; Jesus, T.R.; Kanematsu, C.H.; Sá, A.M.; Vieira, G.A.; Silva, A.L.R.; Andrade, A.P. Quality of chicken eggs sold in Barreiras, Bahia, stored under different temperatures. Academic Journal: Agricultural and Environmental Sciences, v. 9, p. 363-369, 2012. (Portuguese) DOI: [10.7213/cienciaanimal.v9i4.12428](https://doi.org/10.7213/cienciaanimal.v9i4.12428)

Quadros, D.G.*; Andrade, A.P.; Oliveira, G.C.; Oliveira, E.P.; Moscon, E.S. Components of seed production of two cultivars of *Brachiaria brizantha* (Hochst. ex A. Rich.) Stapf haverst by manual or mechanical sweeping. Semina Agricultural Sciences, v. 33, p. 2019-2028, 2012. (Portuguese) DOI: [10.5433/1679-0359.2012v33n5p2019](https://doi.org/10.5433/1679-0359.2012v33n5p2019)

Andrade, A.P.; **Quadros, D.G.*** Comparative study of methodologies to pH determination in grass silages with dry and nutritive additives. Academic Journal: Agricultural and Environmental Sciences, v. 10, p. 51-55, 2012. (Portuguese) DOI: [10.7213/academica.7529](https://doi.org/10.7213/academica.7529)

Monção, O.P. ; **Quadros, D.G.**; Oliveira, D.N.S.; Almeida, R.G.; Bezerra, A.R.G.; Mauricio, I.S. Agronomic importance of dung beetles. Biosphere Encyclopedia, v. 7, p. 1-8, 2011. (Portuguese) https://www.researchgate.net/publication/277720397_IMPORTANCIA_AGRONOMICA_DE_COLEOPTEROS_COPROFAGOS

Andrade, A.P.; **Quadros, D.G.*** Bromatological composition of soybean hulls ammoniated with urea. *Journal of Biology and Earth Sciences*, v. 11, p. 38-46, 2011. (Portuguese)
<https://www.redalyc.org/pdf/500/50021097004.pdf>

Quadros, D.G.*; Silva Sobrinho, A.G.; Rodrigues, L.R.A.; Oliveira, G.P.; Xavier, C.P.; Andrade, A.P.; Souza e Cunha, M.L.C.; Feitosa, V. Worm disease in goats and sheep raised on *Panicum maximum* Jacq. pastures in the rainy season. *Brazilian Animal Science*, v. 11, p. 751-759, 2010. (Portuguese) DOI: [10.5216/cab.v11i4.507](https://doi.org/10.5216/cab.v11i4.507)

Quadros, D.G.*; Oliveira, G.C.; Oliveira, E.P.; Andrade, A.P.; Silva, G.A.V.; Stolben, E. Components of seed production of two cultivars of *Brachiaria brizantha* (Hochst. ex A. Rich.) Stapf in Bahia savannas. *Scientific Journal of Animal Production*, v. 12, p. 19-22, 2010. (Portuguese) DOI: [10.15528/2176-4158/rcpa.v12n1p19-22](https://doi.org/10.15528/2176-4158/rcpa.v12n1p19-22)

Quadros, D.G.*; Oliver, A.P.M.; Regis, U.; Valladares, R.; Souza, P.H.F.; Ferreira, E.J. Anaerobic digestion of goat and sheep wastes in a continuous reactor of flexible PVC. *Brazilian Journal of Agricultural and Environmental Engineering*, v. 14, p. 326-332, 2010. (Portuguese) DOI: [10.1590/S1415-43662010000300014](https://doi.org/10.1590/S1415-43662010000300014)

Quadros, D.G.* Goat milk: production and quality. *Pubvet: Medicine Veterinary and Animal Science Publications*, v. 2, p. 1-7, 2008. (Portuguese)
<http://atividaderural.com.br/artigos/4f7b526457647.pdf>

Quadros, D.G.*; Coccozza, F.D.M. ; Silva, G.A.V. Production and quality of milk in western Bahia. *Pubvet: Medicine Veterinary and Animal Science Publications*, v. 2, p. 2, 2008. (Portuguese) <https://docplayer.com.br/12244235-Producao-e-qualidade-do-leite-na-regiao-oeste-da-bahia.html>

Quadros, D.G.*; Coccozza, F.D.M.; Silva, G.A.V. Typification of beef carcass in western Bahia. *Nacional Meat Journal*, v. 376, p. 92-98, 2008. (Portuguese)

Silva, G.A.V.; **Quadros, D.G.** Beef cattle: perspectives to beef cattle husbandry in Bahia. *Nacional Meat Journal*, v. 378, p. 94-101, 2008. (Portuguese)

Quadros, D.G.*; Rodrigues, L.R.A. Nutritive value of Tanzania and Mombaça grasses fertilized with nitrogen under rotational stocking. *Acta Scientiarum*, v. 28, p. 385-392, 2006. (Portuguese) DOI: [10.4025/actascianimsci.v28i4.601](https://doi.org/10.4025/actascianimsci.v28i4.601)

Quadros, D.G.*; Rodrigues, L.R.A.; Rodrigues, T.J.D.; Ramos, A.K.B.; Parolin, F.J.T. Dry matter accumulation and root system dynamics of stylo mineirao under two defoliation intensities. *Brazilian Animal Science*, v. 5, n. 3, p. 113-122, 2004. (Portuguese) DOI: <https://www.revistas.ufg.br/vet/article/view/334>

Quadros, D.G.*; Figueiredo, M.P.; Nussio, L.G.; Santos Júnior, N.C.; Feitosa, J.V.; Ferreira, J.Q. Fermentative and nutritional traits of elephantgrass silage added with increasing proportions of coffee hulls. *Acta Scientiarum*, v. 25, n. 1, p. 207-214, 2003. DOI:

[10.4025/actascianimsci.v25i1.2151](https://doi.org/10.4025/actascianimsci.v25i1.2151)

Quadros, D.G.*; Rodrigues, L.R.A.; Favoretto, V.; Malheiros, E.B.; Herling, V.R.; Ramos, A.K.B. Components of herbage production of Tanzania and mombaça pastures fertilized with four doses of NPK. **Brazilian Journal of Animal Science**, v. 31, n. 3, p. 1333-1342, 2002.

(Portuguese) DOI: [10.1590/S1516-35982002000600003](https://doi.org/10.1590/S1516-35982002000600003)

Figueiredo, M.P.; **Quadros, D.G.;** Cruz, J.F. Total titratable acidity, pH and methylene blue reduction time test in ruminal fluid of goats maintained in grasslands or rangelands. **Brazilian Journal of Veterinary Research and Animal Science**, v. 37, n. 5, p. 410-415, 2000.

(Portuguese) DOI: [10.1590/S1413-95962000000500012](https://doi.org/10.1590/S1413-95962000000500012)

Books

Quadros, D.G. [Sheep and goat value chains](#). Indaial: UNIASSELVI Academic Press. 2018. 224p. (Portuguese)

Quadros, D.G.; Cruz, J.F. [Meat sheep and goat production](#). Salvador:EDUNEB Academic Press. 2017. 297p. (Portuguese)

Quadros, D.G.; Andrade, A.P. (Eds.) Alternatives feeds for cattle during drought. Vol. 2. Barreiras: Ribeiro Bro. Publisher and Press. 2017. 210p. (Portuguese)

Quadros, D.G., Andrade, A.P. (Eds.) [Alternatives feeds for cattle during drought](#). Vol. 1. Barreiras: Ribeiro Bro. Publisher and Press. 2016. 180p. (Portuguese)

Lima, F.; **Quadros, D.G.** (Eds.) [28^a ExpoBarreiras: texts of technological dynamics and scientific presentations](#). Barreiras: Ribeiro Bro. Publisher and Press. 2010. 153p. (Portuguese)

Quadros, D.G. [Anaerobic digestion in smallholder farms in semiarid](#). Salvador:EDUNEB Academic Press. 2009. 94p. (Portuguese) + 17 min. Video documentary (https://www.youtube.com/watch?v=MCvHN2_S_4w, subtitles in English)

Lima, F.; **Quadros, D.G.** (Eds.) [27^a ExpoBarreiras: texts of presentations](#). Barreiras: Ribeiro Bro. Publisher and Press. 2009. 103p. (Portuguese)

Book chapters

Quadros, D.G.; Andrade, A.P., Barreto, E., Lemos, M.F., Vieira, G.A. Research results about alternatives feeds for cattle in western Bahia. In: Quadros, D.G.; Andrade, A.P. (Eds.). Alternatives feeds for cattle during drought. Barreiras - BA: Ribeiro Bros. Publisher and Press, 2017, v.2, p.105-122. (Portuguese)

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Quadros, D.G. Meat sheep production in Brazilian savannas. O Berro, v. 51, 10 set. 2002. (Portuguese)

Abstracts in scientific events

103 [Expanded abstracts published in conferences proceedings.](#)

34 [Abstracts published in conferences proceedings.](#)

Event organizer

[Sheep and Goat Field Day and Expo.](#) Texas A&M AgriLife Research and Extension. Texas A&M AgriLife Research and Extension Center, San Angelo, TX. 2020.

[Plant Secondary Compounds in Livestock Systems to Produce Functional Foods Symposium.](#) ASAS Annual Meeting. Austin Convention Center, Austin, TX. 2019.

[Milk Value Chain in Western Bahia Meeting.](#) Producers Association/Bahia State University/Government of Bahia/Municipalities. Solar das Mangueiras Hotel Auditorium. Barreiras, BA, Brazil. 2018.

[3rd Feeding Cattle During the Drought Symposium.](#) Bahia State University/Animal Science Research and Education Center. Bahia State University Campus IX Auditorium, Barreiras, BA, Brazil. 2017.

[Alternatives Feeds for Feeding Cattle During the Drought Field Day.](#) Bahia State University/Animal Science Research and Education Center/Farming Syndicate. Modelo Farm, Barreiras, BA, Brazil. 2017.

[2nd Feeding Cattle During the Drought Symposium.](#) Bahia State University/Animal Science Research and Education Center. IFBA Auditorium, Barreiras, BA, Brazil. 2017.

[Renewable Energy in Agribusiness Workshop.](#) Bahia State University/Renewable Energy in Agriculture Center/Farming Syndicate. Farming Syndicate Auditorium, Luis Eduardo Magalhaes, BA, Brazil. 2017.

[Silage Field Day.](#) Bahia State University. Madras Farm, Riacha das Neves, BA, Brazil. 2016.

[1st Feeding Cattle During the Drought Symposium.](#) Bahia State University/Animal Science Research and Education Center. IFBA Auditorium, Barreiras, BA, Brazil. 2016.

[Regional Forum WestMilk](#). Bahia State University/Government of Bahia/Northeast National Bank. Northeast National Bank Auditorium. Barreiras, BA, Brazil. 2016.

[Secretary of Agriculture of Western Bahia Forum](#). Municipalities of Western Bahia/Government of Bahia. Bahia Farm Show, Luis Eduardo Magalhaes, BA, Brazil.

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[Renewable Energy Meeting](#). Bahia State University/Renew Bahia. Science and Technology Museum Auditorium, Salvador, BA, Brazil. 2007.

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[1st Meat Sheep and Goat Symposium of Western Bahia](#). Bahia State University/Animal Science Research and Education Center/Provicapri. Barreiras Conference Center, Barreiras, BA, Brazil. 2003.

Invited speaker

[Feed characteristics and advances in sheep/goat nutrition](#). In: Sheep and Goat Field Day and Expo. Texas A&M AgriLife Research and Extension. San Angelo, TX. 2000.

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Renewable energy and biofuels. In: Knowledge in Action. Catholic University Dom Bosco Auditorium. Campo Grande, MS. 2018. (Portuguese)

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Recovery of degraded pastures. In: Bahia Farm Show Auditorium. Luis Eduardo Magalhaes, BA, Brazil. 2017. (Portuguese)

Agricultural family school. In: Agricultural Family School Implementation Meeting. Riachao das Neves, BA, Brazil. 2016. (Portuguese)

Our milk, our income: dairy cows for economic and social development. In: Our Milk, Our Income Project Implementation Meeting. Paratinga, BA, Brazil. 2016. (Portuguese)

Livestock production. In: Bahia Farm Show Auditorium. Luis Eduardo Magalhaes, BA, Brazil. 2016. (Portuguese)

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Development and sustainability: the Animal Science Research and Extension Production. In: Bahia State University Research and Extension Week: Science Feeding Bahia. Bahia State University Auditorium, Salvador, BA, Brazil. 2016. (Portuguese)

New technologies in bioenergy and biofuels production. Unirb opening semester event. Unirb Auditorium, Barreiras, BA, Brazil. 2015. (Portuguese)

Technical and economic aspects of beef cattle supplementation. In: Beef Cattle Production on Pastures Workshop. Corrente, PI, Brazil. 2012. (Portuguese)

Sustainability and the role of familiar agriculture. In: IV Scientific Journey of Western Bahia. Brazilian Federal Institute. Federal Institute Auditorium. Barreiras, BA, Brazil. 2012. (Portuguese)

Anaerobic digester utilization in dairy farms. In: 3rd Meeting of Milk Producers of Agreste, Brejo and Curimata. Bananairas Exposition Center Auditorium. Bananairas, PB, Brazil. 2010. (Portuguese)

Milk value chain. In: Expomilk/V Seminar of Milk Value Chain. Caetite Exposition Center Auditorium. Caetite, BA, Brazil. 2010. (Portuguese)

Ecologic pasture management. In: Bahia Agroecology Meeting. Bahia Agricultural Development Company Auditorium. 2007. (Portuguese)

Renewable energy and biofuels. In: 1st Renewable Energy Meeting. Science and Technology Museum Auditorium. Salvador, BA, Brazil. 2007. (Portuguese)

Pastures for sheep and goats. In: Simpogeco: Sheep and goat symposium. Veterinary Medicine Auditorium: Bahia Federal University. Salvador, BA, Brazil. 2006. (Portuguese)

Intensive cattle production on pastures. In: Livestock Production Symposium. Western Sao Paulo University Auditorium. Presidente Prudente, SP, Brazil. 2002. (Portuguese)

Course instructor

52 [Short courses of 24h](#).

14 [Short courses of 8h](#).

Themes: Beef cattle, dairy cattle, sheep and goat production, forages and pastures, ruminant nutrition, bioenergy.

All of them in Brazil (Portuguese)

OnLine Course Instructor

[Production and management of forage cactus](#). Qualyagro Platform. Salvador, BA, Brazil. 2017. (Portuguese)

Beef cattle. EAD Quallitas: Campinas, SP. 2010. (Portuguese)

Meet sheep and goat production. EAD Quallitas: Campinas, SP. 2010. (Portuguese)

Dairy cattle. EAD Quallitas: Campinas, SP. 2010. (Portuguese)

Didatic materials

Production and management of forage cactus. Qualyagro. Salvador, BA, Brazil. 2017. (Portuguese)

Beef cattle. EAD Quallitas: Campinas, SP, Brazil. 2010. (Portuguese)

Meet sheep and goat production. EAD Quallitas: Campinas, SP, Brazil. 2010. (Portuguese)

Dairy cattle. EAD Quallitas: Campinas, SP. 2010, Brazil. (Portuguese)

[Handbook for training in anaerobic digestion](#). Winrock International: Salvador, BA, Brazil. 2008. (Portuguese)

[Pastures for sheep and goat](#). Bahia Federal University/Veterinary Medicine College: Salvador, BA, Brazil. 2006. (Portuguese)

[Beef cattle production systems](#). Bahia State University:Salvador, BA, Brazil. 2005. (Portuguese)

[Meat sheep and goat production systems](#). Bahia State University:Salvador, BA, Brazil. 2005. (Portuguese)

Beef cattle feedlot. Contagro:Campinas, SP, Brazil. 2002. (Portuguese)

Meat sheep production. Contagro:Campinas, SP, Brazil. 2002. (Portuguese)

Pastures: establishment and recovery. Contagro:Campinas, SP, Brazil. 2002. (Portuguese)

Presentations of scientific works in conferences

Effects of cottonseed hulls and bermudagrass hay particle size on dry matter intake, physiological parameters, and growth performance of feedlot lambs. In: ASAS/CSAS Annual Meeting. Madison, WI, USA. 2020. (Virtual)

Animal Science Research and Education Center: taking the science to those most in need. In: ASAS/CSAS Meeting. Vancouver, Canada. 2018.

Forage yield and morphologic composition of forage sorghum genotypes in western Bahia. In: Brazilian Animal Science Society Annual Meeting. Goiania, GO, Brazil. 2018. (Portuguese)

Losses and pH of mature elephant grass silage treated with increasing doses of exogenous fibrolytic enzymes. In: Brazilian Animal Science Society Annual Meeting. Foz do Iguacu, PR, Brazil. 2017. (Portuguese)

Intake, digestibility and performance of hair sheep lambs fed ammoniated cotton gin trash treated with exogenous fibrolytic enzymes. In: Latin-America Animal Production Conference/Brazilian Animal Science Society Annual Meeting. Recife, PE, Brazil. 2016. (Portuguese)

Ruminal degradability of NDF of cotton gin trash treated with urea and fibrinolytic enzymes. 2016. In: Latin-America Animal Production Conference/Brazilian Animal Science Society Annual Meeting. Recife, PE, Brazil. 2016. (Portuguese)

Technical and economic analysis of plug-flow anaerobic digester to take advantage of goat manure in smallholder farms. In: 3rd International Symposium on Energy Challenges and Mechanics: towards a big picture. Aberdeen, Scotland, UK. 2015.

Effects of urea and fibrolytic enzymes on chemical composition, in vitro digestibility, in vitro degradability, and gas production of cotton gin trash. In: ASAS/CSAS Meeting. Orlando, FL. 2015.

Chemical composition of cotton processing residue treated with urea and fibrolytic enzymes. In: Brazilian Animal Science Society Annual Meeting. Brasilia, DF, Brazil. 2012. (Portuguese)

Levels of supplementation in finishing beef cattle in integrated crop-livestock system. In: Brazilian Animal Science Society Annual Meeting. Brasilia, DF, Brazil. 2012. (Portuguese)

Energetic profile of agrarian settlements in Bahia, Brazil. In: 5th International Bioenergy Conference. Curitiba, PR, Brazil. 2010. (Portuguese)

Analysis of production profile and yield of grass seeds in Western Bahia. In: Brazilian Animal Science Society Annual Meeting. Salvador, BA, Brazil. 2010. (Portuguese)

Beef carcass typification in Western Bahia. In: Northeast Animal Science Society Annual Meeting. Petrolina, PE, Brazil. 2006. (Portuguese)

Epidemiological observations of gastrointestinal parasites in sheep grazing tanzaniagrass, stargrass, andropogongrass. 2004. In: Brazilian Animal Scientists Association Meeting. Brasilia, DF, Brazil. 2004. (Portuguese)

Distribution of infective larvae of gastrointestinal nematods in the canopy of andropogon, african-stargrass, and Tanzania grasses grazed by sheep. In: Brazilian Animal Scientists Association Meeting. Brasilia, DF, Brazil. 2004. (Portuguese)

Gastrointestinal helminths prevalence in does and ewes grazing mombaca grass. 2004. In: Brazilian Animal Scientists Association Meeting. Brasilia, DF, Brazil. 2004. (Portuguese)

Gastrointestinal helminths larvae in diferente layers of mombaca grass grazed by sheep and goats. In: Brazilian Animal Science Society Annual Meeting. Campo Grande, MS, Brazil. 2004. (Portuguese)

Root system and dark regrowth of *Stylosanthes guianensis* cv. Mineirao under two defoliation intensity. In: Brazilian Animal Science Society Annual Meeting. Santa Maria, RS, Brazil. 2003. (Portuguese)

Herbage mass and residue characteristic of *Stylosanthes guianensis* cv. Mineirao under two defoliation intensity. In: Brazilian Animal Science Society Annual Meeting. Recife, PE, Brazil. 2002. (Portuguese)

Fermentation products profile and *in situ* dry matter degradability of elephantgrass silage with different proportions of coffee hulls. In: Brazilian Animal Science Society Annual Meeting. Recife, PE, Brazil. 2002. (Portuguese)

Forage losses in pastures of the cultivars tanzânia and mombaça of *Panicum maximum* Jacq. fertilized with four doses of N, P and K In: Brazilian Animal Science Society Annual Meeting. Piracicaba, SP, Brazil. 2001. (Portuguese)

The effect of sheep stocking rate on physical and chemical properties of a coast-cross pasture soil. In: International Symposium Soil Functioning under Pastures in Intertropical Areas. Embrapa, Planaltina, DF, Brazil. 2000.

Forage availability of Tanzania and mombaca pastures submitted to different fertilization strategies (N, P and K) Livestock 2000 Symposium. Pirassununga, SP, Brazil. 2000. (Portuguese)

Effect of nitrogen fertilization on herbage mass and chemical composition of elephantgrass cv. Mott. Annual Meeting of Brazilian Science Progress Society. Brasilia, DF, Brazil. 2000. (Portuguese)

Influence of dung beetle *Digitonthophagus gazela* Fabricius on pearl millet (*Pennisetum americanum* (L.) Leek) growth and herbage mass. Annual Meeting of Brazilian Science Progress Society. Brasilia, DF, Brazil. 2000. (Portuguese)

Ruminal fluid evaluation of goats grazing on cultivated pastures or caatinga rangeland. Annual Meeting of Brazilian Science Progress Society. Recife, PE, Brazil. 1998. (Portuguese)

Effects of adding coffee hulls into elephantgrass (*Pennisetum purpureum* Schum.) silage: nutritive value. Technical-Scientific Conference. Vitoria da Conquista, BA, Brazil. 1998. (Portuguese)

Advising

45 [Students of Doctorate, Master, and Bachelor degrees](#)

Participation in technical-scientific events

128 [Participations in courses and technical-scientific events \(most relevant\)](#)

Journal reviewer

- British Journal of Applied Science & Technology
- Biotechnology Journal International
- Journal of Energy Research and Reviews
- Brazilian Journal of Animal Health and Production
- Energy in Agriculture
- Acta Scientiarum
- Bulletin of Animal Husbandry
- Agricultural Research in the Tropics
- Brazilian Journal of Veterinary and Animal Sciences

Affiliation

