

Vinícius N. Gouvêa, Ph.D.

Curriculum Vitae

New Mexico State University, Department of Animal and Range Sciences
Clayton Livestock Research Center, 15 NMSU Lane, Clayton, NM, 88415
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EDUCATION

- 2013 - 2015** **Doctor of Philosophy, Ph.D.**
University of São Paulo, School of Veterinary Medicine and Animal Science, SP, Brazil
Major: Animal Nutrition and Production.
Dissertation: Soybean oil or various levels of whole cottonseed on growth performance, ruminal fermentation characteristics, carcass traits and meat quality of finishing bulls
Advisor: Dr. Alexandre Vaz Pires
- 2013 - 2014** **Visiting Scholar at The Ohio State University**
Department of Animal Science, Columbus, OH, USA
Professor: Dr. Maurice L. Eastridge
Sandwich PhD. program - USP and OSU
- 2010 - 2012** **Master of Science, M.S.**
University of São Paulo, "Luiz de Queiroz" College of Agriculture, SP, Brazil
Major: Animal Science and Pastures
Thesis: Flint corn grain processing and citrus pulp level in finishing diets for feedlot cattle
Advisor: Dr. Flávio Augusto Portela Santos
- 2005 - 2009** **Doctor of Veterinary Medicine, D.V.M.**
Federal University of Goiás (UFG), Goiânia, Goiás, Brazil
Advisor: Dr. Juliano J. R. Fernandes

PROFESSIONAL EXPERIENCE

- 2019 - Present** **Assistant Professor - Ruminant Nutrition and Health**
Department of Animal and Range Sciences, Clayton Livestock Research Center, New Mexico State University
– Tenure-track research (100%) appointment
- 2018 - 2019** **Research Associate**
Department of Animal Science, University of Florida, Range Cattle Research and Education Center
– Involved in multifaceted research and extension program - beef cattle nutrition, metabolic imprinting and immunity
- 2015 - 2018** **Innovation & Applied Science Supervisor for Latin America**
DSM Nutritional Products, SP, Brazil
– Research Animal Scientist: beef cattle nutrition and management
– Products research and development
– Technical team training - according marketing and sales strategy
– Technical support to costumers
– I&AS Beef Cattle Research Center Management;

PROFESSIONAL MEMBERSHIPS

American Society of Animal Science (ASAS)
Veterinary Council of the State of Goiás (CRMV-GO)

SELECTED PUBLICATIONS

Refereed Journals

Gouvêa, V.N.; Meschiatti, M.A.P.; Pellarin, L.A.; Batalha, C.A.D; Acedo, T.S.; Biehl, M.V.; Tamassia, L.F.M. Owens, F.N.; Santos, F.A.P. 2019. Effects of alternative feed additives and flint corn grain particle size on growth performance, carcass traits and nutrient digestibility of finishing beef cattle. *The Journal of Agricultural Science*, 2019. < Submitted – minor review >

Melo, A.H.F; Marques, R.S.; **Gouvêa, V.N.;** Souza, J.; Batalha, C.D.A.; Basto, D.C.; Millen, D.D., Santos, F.A.P. 2019. Effects of dietary neutral detergent fiber levels and flint corn processing method on growth performance, carcass characteristics, feeding behavior and rumen morphometric of *Bos Indicus* cattle. *Journal of Animal Science*, v. 97, p. 3562-3577. < full text >

Meschiatti, M.A.P.; **Gouvêa, V.N.;** Pellarin, L.A.; Batalha, C.A.D; Acedo, T.S.; Biehl, M.V.; Dórea, J.R.R.; Tamassia, L.F.M. Owens, F.N.; Santos, F.A.P. 2019. Feeding the combination of essential oils and exogenous α -amylase increases the performance and carcass production of finishing beef cattle. *Journal of Animal Science*, v. 97, p. 456-471. < full text >

Gouvêa, V.N.; Colli, M.H.A.; Gonçalves Junior, W.A.; Motta, J.C.L.; Acedo, T.S.; Vasconcellos, G.S.F.M.; Tamassia, L.F.M.; Eliff, F.M.; Mignoti, R.D.; Baruselli, P.S. 2018. The combination of β -carotene and vitamins improve the pregnancy rate at first fixed-time artificial insemination in grazing beef cows. *Livestock Science*, v. 217, p. 30-36. < full text >

Galvani, D.B.; Pires, A.V.; Susin, I.; **Gouvêa, V.N.;** Berndt, A.; Abdalla, A.L.; Tedeschi, L.O. 2018. Net protein requirements and metabolizable protein use for growing ram lambs fed diets differing in concentrate level and roughage source. *Small Ruminant Research*, v. 165, p. 79-86.

McGrath, J.; Duval, S.M.; Tamassia, L.F.; Kindermann, M.; Stemmler, R.T.; **Gouvêa, V.N.;** Acedo, T.S.; Immig, I.; Williams, S.N.; Celi, P. 2018. Nutritional strategies in ruminants: a life time approach. *Research in Veterinary Science*, v. 116, p. 28-39. < full text >

Gouvêa, V.N.; Batistel, F.; Souza, J.; Chagas, L.J.; Sitta, C.; Campanili, P.R.B.; Galvani, B.D.; Pires, A.V.; Owens, F.N.; Santos, F.A.P. 2016. Flint corn grain processing and citrus pulp level in finishing diets for feedlot cattle. *Journal of Animal Science*, v. 94, p. 665-677. < full text >

Galvani, D.B.; Pires, A.V.; Susin, I.; **Gouvêa, V.N.;** Berndt, A.; Chagas, L.J.; Dórea, J.R.R.; Abdalla, A.L.; Tedeschi, L.O. 2014. The energy efficiency of growing ram lambs fed concentrate-based diets with different roughage sources. *Journal of Animal Science*, v. 92, p. 250-263. < full text >

Santos, S.C.; Fernandes, J.J.R.; Carvalho, E.R.; **Gouvêa, V.N.;** Lima, M.M.; Dias, M.J. 2015. Substitution of sugarcane silage by pineapple silage for sheep. *Brazilian Animal Science Journal (Portuguese)*, v. 15, p. 400-408. < full text >

Dórea, J.R.R.; Pereira, L.G.R.; Ferreira, A.L.; Silva, T.C.; **Gouvêa, V.N.;** Franco, A.L.C. 2013. Chemical composition and fermentation dynamics of jackfruit silage. *Semina Ciências Agrárias (Portuguese)*, v. 34, p. 1967-1976. < full text >

Carvalho, E.R.; Santos, S.C.; Caetano, T.F.; **Gouvêa, V.N.;** Lima, M.L.M; Fernandes, J.J.R. 2009. Sodium bicarbonate and yeast as diet additives for crossbred dairy cows. *Brazilian Animal Science Journal (Portuguese)*, v. 10, p. 511-5256. < full text >

Refereed Journals - submitted or in preparation

Gouvêa, V.N.; Biehl, M.V.; Andrade, T.S.; Ferraz Junior, M.V.C.; Polizel, D.M.; Silva, S.L.; Bridi, A.M.; Owens, F.N.; Pires, A.V. Soybean oil or increasing levels of whole cottonseed on performance, carcass characteristics and meat quality of finishing cattle. *Livestock Science*. < Co-author review >

Gouvêa, V.N.; Biehl, M.V.; Ferraz Junior, M.V.C.; Polizel, D.M.; Owens, F.N.; Pires, A.V. Soybean oil or increasing levels of whole cottonseed on intake, digestibility and ruminal fermentation characteristics of finishing Nellore steers. *Tropical Animal Health and Production*. < Co-author review >

Ferraz Junior, M.V.C.; Ribeiro, A.D.B.; Polizel, D.M.; **Gouvêa, V.N.**; Oliveira, G.B.; Bertoloni, A.V.; Mizura, A.A.; Barroso, J.P.R.; Ferreira, E.M., Pires, A.V. Thyme essential oil on rumen fermentation, nutrient digestibility and nitrogen balance. *Scientia Agricola*, 2019. < *submitted* >

Ferraz Junior, M.V.C.; Pires, A.V.; Polizel, D.M.; Gobato, L.G.M.; Mizura, A.; Barroso, J.P.R., Bagio, G.; **Gouvêa, V.N.** Compensatory growth was as effective as unrestricted growth to stimulate puberty in Nelore heifers. *Animal Production Science*, 2018. < *submitted* >

Gobato, L.G.M.; Polizel, D.M.; Ferraz Junior, M.V.C.; **Gouvêa, V.N.**; Barroso, J.P.R., Pires, A.V. Effect of narasin in the performance and supplement intake of beef cattle. *Animal Production Science*, 2019. < *submitted* >

Polizel, D.M.; Marques, S.S.; Westphalen, M.F.; Ferraz Junior, M.V.C.; **Gouvêa, V.N.**; Mizura, A.A.; Barroso, J.P.R., Pires, A.V. Narasin improves nutrient digestibility and performance of feedlot lambs fed high concentrate diets. *Livestock Science*, 2019. < *submitted* >

Abstracts (2011 – 2019)

Palmer, E.; Vedovatto, M.; Ranches, J.; Miranda, M; **Gouvêa, V.N.**; Arthington, J.; Vendramini, J. and Moriel, P. Timing of concentrate supplementation during late gestation impacts calf pre-weaning growth, but not reproductive performance of *Bos indicus*-influenced cows. *In: 2019 Southern Section, ASAS, Journal of Animal Science*, v.97, p.19-20, Abstract # 23. < [full text](#) >

Palmer, E.; Vedovatto, M.; Ranches, J.; Miranda, M; **Gouvêa, V.N.**; Arthington, J.; Vendramini, J. and Moriel, P. Timing of concentrate supplementation during late gestation impacts calf pre-weaning growth, but not reproductive performance of *Bos indicus*-influenced cows. *In: 2019 Southern Section, ASAS, Journal of Animal Science*, v.97, p.49, Abstract # 151. < [full text](#) >

Palmer, E.; Vedovatto, M.; Ranches, J.; Miranda, M; **Gouvêa, V.N.**; Arthington, J.; Vendramini, J. and Moriel, P. 164 Effects of year-round supplementation of sugarcane molasses/urea or range cubes on growth performance of *Bos indicus*-influenced beef cows and their offspring. *In: 2019 Southern Section, ASAS, Journal of Animal Science*, v.97, p.57-58, Abstract #164. < [full text](#) >

Vedovatto, M.; Palmer, E.; Ranches, J.; Miranda, M.; **Gouvêa, V.N.**; Arthington, J.; Vendramini, J.; Moriel, P. Effects of pre- and post-partum supplementation of molasses/urea with or without methionine fortification on growth performance of primiparous cows and their offspring. *In: 2019 Southern Section, ASAS, Journal of Animal Science*, v.97, p.57-58, Abstract #163. < [full text](#) >

Goulart, R.S.; **Gouvêa, V.N.**; Acedo, T.S.; Vasconcelos, G.S.F.M.; Leme, P.R.; Saran Netto, A; Silva, S.L. Effect of essential oils and exogenous enzyme on adaptation period of cattle fed different roughage sources. *In: 2018 Annual Meeting and Trade Show of American Society of Animal Science*, 2018, Vancouver, Canada. Abstract # PSXIV-24. < [full text](#) >

Acedo, T.S.; **Gouvêa, V.N.**; Vasconcelos, G.S.F.M.; Arrigoni, M.; Martins, C.L.; Millen, D.; Melo, G.F.; Rizzieri, R.A.; Costa, C.F.; Sartor, A.B.D. Effect of 25-hydroxy-vitamin-D3 on feedlot cattle. *In: 2018 Annual Meeting and Trade Show of American Society of Animal Science*, 2018, Vancouver, Canada. Abstract # PSXVII-27. < [full text](#) >

Goulart, R.S.; **Gouvêa, V.N.**; Acedo, T.S.; Vasconcelos, G.S.F.M.; Leme, P.R.; Saran Netto, A; Silva, S.L. Effect of essential oil and exogenous enzyme on performance and carcass traits of finishing cattle fed different roughage sources. *In: 2018 Annual Meeting and Trade Show of American Society of Animal Science*, 2018, Vancouver, Canada. Abstract # 66. < [full text](#) >

Vasconcelos, G.S.F.M.; Colli, M.H.A.; Gonçalves Junior, W.A.; **Gouvêa, V.N.**; Acedo, T.S.; Tamassia, L.F.M.; Mingoti, R.D.; Barusseli, P.S. Effects of β -carotene and vitamins in grazing Nelore multiparous cows submitted to fixed timed artificial insemination (FTAI). *In: 2018 Annual Meeting and Trade Show of American Society of Animal Science*, 2018, Vancouver, Canada. Abstract # PSXVII-8. < [full text](#) >

Vasconcelos, G.S.F.M.; Colli, M.H.A.; Gonçalves Junior, W.A.; **Gouvêa, V.N.**; Acedo, T.S.; Tamassia, L.F.M.; Mingoti, R.D.; Barusseli, P.S. Effects of β -carotene and vitamins in grazing Nelore primiparous cows submitted to fixed timed artificial insemination (FTAI). *In: 2018 Annual Meeting and Trade Show of American Society of Animal Science*, 2018, Vancouver, Canada. Abstract # PSXVII-9. < [full text](#) >

Colli, M.H. A.; Gonçalves Junior, W.A.; Motta, J.C.; **Gouvêa, V.N.**; Acedo, T.S.; Tamassia, L.F.M.; Ellif, F.M.; Mingoti, R.D.; Baruselli, P.S. The combination of β -carotene and vitamins improves the pregnancy rate at fixed

time artificial insemination (FTAI) in grazing beef cows *In*: 2017 Annual Meeting and Trade Show of American Society of Animal Science, 2017, Baltimore, MD. [< full text >](#)

Acedo, T.S.; Tamassia, L.F.M.; Cortinhas, C.; **Gouvêa, V.N.**; Fernandes, J.J.R.. Effects of essential oils and enzymes in low starch diets for finishing feedlot cattle *In*: 2016 Joint Annual Meeting ADSA, CSAS, ASAS, Salt Lake City, UT. Abstract # 1372. *Journal of Animal Science*, vol. 94, E-Suppl., p.652. [< full text >](#)

Meschiatti, M.A.P.; Moraes, J.M.M.D; Acedo, T.S.; Tamassia, L.F.M.; Cortinhas, C.; **Gouvêa, V.N.**; Dórea, J.R.R.; Santos, F.A.P. Effects of essential oils and exogenous enzyme in feedlot diets high in flint corn ground at different particle sizes *In*: 2016 Joint Annual Meeting ADSA, CSAS, ASAS, Salt Lake City, UT. Abstract # 1363. *Journal of Animal Science*, vol. 94, E-Suppl., p.648. [< full text >](#)

Meschiatti, M.A.P.; Moraes, J.M.M.D; Acedo, T.S.; Tamassia, L.F.M.; Cortinhas, C.; **Gouvêa, V.N.**; Dórea, J.R.R.; Santos, F.A.P. Effects of essential oils and exogenous enzyme in feedlot finishing diets high in flint ground corn at different particle sizes during the adaptation period. *In*: 2016 Joint Annual Meeting ADSA, CSAS, ASAS, Salt Lake City, UT. Abstract # 1561. *Journal of Animal Science*, vol. 94, E-Suppl., p.746. [< full text >](#)

Meschiatti, M.A.P.; Pellarin, L.A.; Batalha, C.D.A.; Acedo, T.S.; Tamassia, L.F.M.; Cortinhas, C.; **Gouvêa, V.N.**; Santos, F.A.P.; Dórea, J.R.R. Effects of essential oils and exogenous enzymes on intake, digestibility, and rumen fermentation in finishing Nellore cattle. *In*: 2016 Joint Annual Meeting ADSA, CSAS, ASAS, Salt Lake City, UT. Abstract # 1562. *Journal of Animal Science*, vol. 94, E-Suppl., p.746. [< full text >](#)

Silva, R.G.; Ferraz Junior, M.V.C.; **Gouvêa, V.N.**; Polizel, D.M.; Santos, M.H.; Miszura, A.A.; Andrade, T.S.; Biehl, M.V.; Pires, A.V. Effect of narasin in mineral mix to Nellore heifers fed with high forage. *In*: 2015 Joint Annual Meeting ADSA, CSAS, ASAS, Orlando, FL. Abstract # M310. *Journal of Animal Science*, vol. 93, E-Suppl., p.118. [< full text >](#)

Moreira, E.M.; Pires, A.V.; Deus, D.; Ferraz Junior, M.V.C.; Faleiro Neto, J.A.; Biehl, M.V.; Gonçalves, J.R.S.; Silva, R.G.; Santos, M.H.; **Gouvêa, V.N.**; Day, M.L. Effect of prepartum dam supplementation and creep-feeding on age at puberty in Nellore heifers. *In*: 2015 Joint Annual Meeting ADSA, CSAS, ASAS, Orlando, FL. Abstract # M225. *Journal of Animal Science*, vol. 93, E-Suppl., p.87. [< full text >](#)

Ferraz Junior, M.V.C.; Deus, D.; Biehl, M.V.; Pires, A.V.; Santos, M.H.; Silva, R.G.; **Gouvêa, V.N.**; Gonçalves, J.R.S.; Andrade, T.S. Effect of prepartum dam supplementation, creep-feeding and post-weaning diet on age at puberty in Nellore heifers. *In*: 2015 Joint Annual Meeting ADSA, CSAS, ASAS, Orlando, FL. Abstract # M224. *Journal of Animal Science*, vol. 93, E-Suppl., p.746. [< full text >](#)

Wesrphalen, M.F.; Polizel, D.M.; Santos, M.H.; Silva, R.G.; Bertoloni, A.V.; Oliveira, G.B.; Andrade, T.S.; **Gouvêa, V.N.**; Biehl, M.V.; Pires, A.V. Effect of sodium monensin on rumen metabolism in lambs fed high-forage diets. *In*: 2015 Joint Annual Meeting ADSA, CSAS, ASAS, Orlando, FL. Abstract # T500. *Journal of Animal Science*, vol. 93, E-Suppl., p.490. [< full text >](#)

Gouvêa, V.N.; Biehl, M.V.; Ferraz Junior, M.V.C.; Faleiro Neto, J.A.; Moreira, E.M.; Santos, M.H.; Silva, R.G.; Polizel, D.M.; Pires, A.V. Effects of levels of whole cottonseed and soybean oil on intake and ruminal fermentation in Nellore steers. *In*: 2015 Joint Annual Meeting ADSA, CSAS, ASAS, Orlando, FL. Abstract # M444. *Journal of Animal Science*, vol. 93, E-Suppl., p.164. [< full text >](#)

Biehl, M.V.; Pires, A.V.; Ferraz Junior, M.V.C.; Gonçalves, J.R.S.; Nascimento, A.B.; Santos, M.H.; **Gouvêa, V.N.**; Miszura, A.A.; Crupe, L.H.; Day, M.L. Efficacy of PGF_{2&}; doses to induce luteolysis on day 5, 7, or 9 of estrus cycle in nonlactating Nellore cows. *In*: 2015 Joint Annual Meeting ADSA, CSAS, ASAS, Orlando, FL. Abstract # M230. *Journal of Animal Science*, vol. 93, E-Suppl., p.90. [< full text >](#)

Ribeiro, A.D.B.; Pires, A.V.; Susin, I.; Biehl, M.V.; **Gouvêa, V.N.**; Ferraz Junior, M.V.C. Effects of thyme oil (*Thymus vulgaris*) on in vitro ruminal fermentation kinetics *In*: 2014 Annual Meeting of American Society of Animal Science, 2014, Kansas. *In*: 2014 Joint Annual Meeting ADSA, CSAS, ASAS, Kansas City, MO. Abstract # M382. *Journal of Animal Science*, vol. 92, E-Suppl., p.931. [< full text >](#)

Dórea, J.R.R.; Dell Agostinho Neto, L.R.; **Gouvêa, V. N.**; Costa, D.F.; Pires, A.V.; Santos, F.A.P. Interactions between levels and source of energy supplementation in beef cattle *In*: 2014 Joint Annual Meeting ADSA, CSAS, ASAS, Kansas City, MO. Abstract # M281. *Journal of Animal Science*, vol. 92, E-Suppl., p.770. [< full text >](#)

Dórea, J.R.R.; Dell Agostinho Neto, L.R.; **Gouvêa, V. N.**; Costa, D.F.; Pires, A.V.; Pereira, L.G.R.; Santos, F.A.P. Effects of pasture management and energy supplement on ingestive behavior of grazing cattle. *In*: 2013 Joint

Annual Meeting ADSA, CSAS, ASAS, Indianápolis, IN. Abstract # 669. Journal of Animal Science, vol. 91, E-Suppl., p.664. [<full text >](#)

Sitta, C.; Meschiatti, M.A.P.; Campanili, P.R.B.; Mello, L.C.; Angolini, W.F.; Sousa, J.; Batistel, F.; **Gouvêa, V.N.**; Lovaglio, M.; Melo, A.H.F.; Costa, D.F.; Dórea, J.R.R.; Santos, F.A.P. Grain processing methods for Nellore bulls fed high grain finishing diets. *In: 2013 Joint Annual Meeting ADSA, CSAS, ASAS, Indianápolis, IN. Abstract # 804. Journal of Animal Science, vol. 91, E-Suppl., p.716. <full text >*

Dell Agostinho Neto, L.R.; Dórea, J.R.R.; **Gouvêa, V.N.**; Costa, D.F.; Pires, A.V.; Pereira, L.G.R.; Santos, F.A.P. Interactions between grazing management and a low level of energy supplementation in beef cattle. *In: 2013 Joint Annual Meeting ADSA, CSAS, ASAS, Indianápolis, IN. Abstract # T271. Journal of Animal Science, vol. 91, E-Suppl., p.94. <full text >*

Dell Agostinho Neto, L.R.; Dórea, J.R.R.; **Gouvêa, V.N.**; Costa, D.F.; Pires, A.V.; Santos, M.G.M.F.; Santos, F.A.P. Interactions between grazing management and a low level of energy supplementation on ingestive behavior of beef cattle. *In: 2013 Joint Annual Meeting ADSA, CSAS, ASAS, Indianápolis, IN. Abstract # T270. Journal of Animal Science, vol. 91, E-Suppl., p.93. <full text >*

Gouvêa, V.N.; Neves Neto, J.T.; Galvani, D.B.; Ferraz Junior, M.V.C.; Faleiro Neto, J.A.; Biehl, M.V.; Fernandes, J.J.R.; Pires, A.V. Ruminal fermentation kinetics of finishing feedlot beef diets with increasing levels of whole cottonseed. *In: 2013 Joint Annual Meeting ADSA, CSAS, ASAS, Indianápolis, IN. Abstract # W128. Journal of Animal Science, vol. 91, E-Suppl., p.270. <full text >*

Batistel, F.; Sousa, J.; Welter, K.C.; Silva, M.M.V.; Pires, A.V.; **Gouvêa, V.N.**; Costa, D.F.; Santos, F.A.P. Sources of rumen protected fat supplementation on milk yield and composition and ruminal parameters of dairy grazing a tropical pasture. *In: 2013 Joint Annual Meeting ADSA, CSAS, ASAS, Indianápolis, IN. Abstract # W41. Journal of Dairy Science, vol. 96, E-Suppl., p.241. <full text >*

Ferraz Junior, M.V.C.; Pires, A.V.; Biehl, M.V.; Ferreira, E.M.; Nepomuceno, D.D.; **Gouvêa, V.N.**; Sartori, R.; Gonçalves, J.R.S.; Cruppe, L.H.; Day, M.L. Timing of artificial insemination in a 7-d P4-E2 estrous synchronization program in *Bos indicus* postpartum cows. *In: 2013 Joint Annual Meeting ADSA, CSAS, ASAS, Indianápolis, IN. Abstract # TW355. Journal of Animal Science, vol. 91, E-Suppl., p.596. <full text >*

Chagas, L.J.; Marques, R.S.; Sitta, C.; Guerra, C.; **Gouvêa, V.N.**; Sousa, J.; Batistel, F.; Santos, F.A.P. Feeding monensin, functional oils and combination of feed additives in high by-products finishing diets for Nellore bulls. *In: 2012 Joint Annual Meeting ADSA, CSAS, ASAS, Phoenix, AZ. Abstract # 674. Journal of Animal Science, vol. 90, Suppl. 3, p.669. <full text >*

Chagas, L.J.; Marques, R.S.; Sitta, C.; **Gouvêa, V.N.**; Sousa, J.; Batistel, F.; Santos, F.A.P. Feeding monensin or functional oils in high corn finishing diets for Nellore bulls. *In: 2012 Joint Annual Meeting ADSA, CSAS, ASAS, Phoenix, AZ. Abstract # 673. Journal of Animal Science, vol. 90, Suppl. 3, p.669. <full text >*

Gouvêa, V.N.; Chagas, L.J.; Sousa, J.; Batistel, F.; Campanili, P.R.B.; Galvani, D.B.; Santos, F.A.P. Flint corn grain processing and increasing levels of citrus pulp in finishing diets for Nellore bulls. *In: 2012 Joint Annual Meeting ADSA, CSAS, ASAS, Phoenix, AZ. Abstract # 790. Journal of Animal Science, vol. 90, Suppl. 3, p.712. <full text >*

Galvani, D.B.; Pires, A.V.; Susin, I.; **Gouvêa, V.N.**; Berndt, A.; Chagas, L.J.; Dórea, J.R.R.; Abdalla, A.L.; Tedeschi, L.O. The energetic efficiency of growing lambs fed high-concentrate diets with different roughages. *In: 2012 Joint Annual Meeting ADSA, CSAS, ASAS, Phoenix, AZ. Abstract # M373. Journal of Animal Science, vol. 90, Suppl. 3, p.136. <full text >*

Dell Agostinho Neto, L.R.; Dórea, J.R.R.; **Gouvêa, V.N.**; Marra, A.L.; Santos, F.A.P. Effects of energetic supplementation strategies on performance of growing cattle grazing tropical forage and on animal. *In: 2011 Joint Annual Meeting ADSA, CSAS, ASAS, New Orleans, LA.*

Dórea, J.R.R.; Dell Agostinho Neto, L.R.; **Gouvêa, V.N.**; Danés, M.A.C.; Santos, F.A.P. Effects of levels of energetic supplementation on forage intake and ruminal fermentation in beef cattle grazing tropical pastures. *In: 2011 Joint Annual Meeting ADSA, CSAS, ASAS, New Orleans, LA.*

Dórea, J.R.R.; Santos, F.A.P.; Marra, A.L.; Dell Agostinho Neto, L.R.; Balestrin, D.C.; **Gouvêa, V.N.**; Pedroso, A.M. Ingestive behavior of grazing Nellore steers supplemented with increased levels of energetic concentrate. *In: 2011 Joint Annual Meeting ADSA, CSAS, ASAS, New Orleans, LA.*

Book chapters

Acedo, T.S.; **Gouvêa, V.N.**; Vasconcelos, G.F.M. Vitamin supplementation for beef cattle: Scientific basis and productive benefits. In: International Symposium on Beef Cattle Nutrition and Production. Viçosa, 2018 (Portuguese) <[link](#)>

Ferraz Junior, M.V.C.; Biehl, M.V.; **Gouvêa, V.N.**; Polizel, D.M.; Ribeiro, A.D.B.; Santos, M.H.; Silva, R.G.; Moreira, E.M.; Faleiro Neto, J.A.; Pires, A.V. Puberty in zebu heifers: management and mechanisms for anticipation In: New Challenges in the Ruminant Nutrition and Production. 1ed. Pirassununga: 5D Editora, 2014, v.1, p.26-40. (Portuguese) <[full text](#)>

Pires, A.V.; Biehl, M.V.; Ferraz Junior, M.V.C.; Polizel, D.M.; **Gouvêa, V.N.**; Moreira, E.M.; Ribeiro, A.D.B.; Santos, M. Reproductive management: what really matters? Scot Consulting Meeting. 1ed. São Carlos: Suprema, 2014, p. 250-261. (Portuguese) <[link](#)>

Faleiro Neto, J.A.; Moreira, E.M.; Ferraz Junior, M.V.C.; **Gouvêa, V.N.**; Biehl, M.V.; Ribeiro, A.D.B.; Pires, A.V.; Susin, I. Essential oils and rumen fermentation characteristics In: VII Graduate Symposium in Ruminant Nutrition and Production -VNP 2013. 1ed. Pirassununga : Editora 5D, 2013, v.1, p. 27-41. (Portuguese) <[full text](#)>

Santos, F.A.P.; Dórea, J.R.R.; **Gouvêa, V.N.** Nitrogen compounds in forage plants. In: Forragicultura: Ciência, Tecnologia e Gestão dos Recursos Forrageiros. 1ed. Jaboticabal: Gráfica Multipress, 2013, v.1, p.395-408. (Portuguese) <[link](#)>

EXTENSION - EDUCATIONAL TECHNIQUES

Non-Refereed Publications

Gouvêa, V. N. Dry matter intake during the finishing phase: small details make the difference (Portuguese). DSM Tortuga Magazine, v.502, p.40 - 44, 2018. <[full text](#)>

Gouvêa, V. N. The new edition of NRC for beef cattle: what are the news (Portuguese). DSM Tortuga Magazine, v.498, p.32 - 33, 2017. <[full text](#)>

Gouvêa, V. N. Scientific results in Latin America: results from the research conducted in Mexico proving DSM technologies (Portuguese). DSM Tortuga Magazine, v.497, p.60 - 62, 2017. <[full text](#)>

Gouvêa, V. N. Animal performance in the feedlot: the benefits of using the combination of essential oils and exogenous amylase during the finishing phase (Portuguese). DSM Tortuga Magazine, v.495, p.26 - 31, 2016. <[full text](#)>

Gouvêa, V. N. Vitamins in finishing beef diets: what are the expected results? (Portuguese). DSM Tortuga Magazine, v.494, p.28 - 31, 2016. <[full text](#)>

Gouvêa, V. N. Starch digestion in beef cattle: what are the tools available to the farmers (Portuguese). DSM Tortuga Magazine, v.492, p.62 - 65, 2015. <[full text](#)>

TV-programs participation

Listed the participation in some TV-programs related to livestock in Brazil and Latin America.

Gouvêa, V.N. Receiving diets for feedlot: how important is the acclimation phase to animal performance.

Gouvêa, V.N. Ruminant nutrition lecture - circuit in Brazil.

Gouvêa, V.N. Feeding growing phase to improve farm productivity in grazing systems.

Gouvêa, V.N. Nutritional management during breeding season to improve pregnancy rate in beef cows.

Gouvêa, V.N. Methods for diagnosis and monitoring the pregnancy in grazing beef cows.

Invited Speaker

Gouvêa, V.N. Sustainability of Animal Production: The Role of Nutrition. *In: La Asociación Mexicana de Especialistas en Nutrición Animal A.C. (AMENA)*, 2019, Puerto Vallarta, Mexico.

Gouvêa, V.N. Feed additives in finishing beef diets. *In: International Symposium on Vitamin and Technologies*, 2018, Campinas, São Paulo, Brazil. (Portuguese) < [link](#) >

Gouvêa, V.N. Nutrition from birth to weaning. *In: Intercorte Circuit*, 2015 and 2016, Brazil. Lecture series about livestock nutrition to farmers/producers that occurred in five different states in Brazil. (Portuguese) < [link](#) >

Gouvêa, V.N. Ruminant nutrition and management. *In: DSM field days*, 2015 to 2018, Brazil. Field days for customers and no-customers conducted at the DSM Research Center every three months. (Portuguese)

SCHOLARSHIP/RESEARCH GRANTS

Grant number: 2009/13608-1. *Grant type:* Scholarship in Brazil supported by The São Paulo Research Foundation during the graduate program – master degree. *Principal Investigator:* Dr. Flávio Augusto Portela Santos. *Grantee:* Vinícius Nunes de Gouvêa. *Home Institution:* University of São Paulo. *Total Budget:* U\$ 20,500 < [details](#) >

Grant number: -2010/12396-8. *Grant type:* Regular Research Grant supported by The São Paulo Research Foundation. *Principal Investigator:* Dr. Flávio Augusto Portela Santos. *Home Institution:* University of São Paulo. *Total Budget:* U\$ 34,000 < [details](#) >

Grant number: 2012/18317-8. *Grant type:* Scholarship in Brazil supported by The São Paulo Research Foundation during the graduate program - Ph.D. *Principal Investigator:* Dr. Alexandre Vaz Pires. *Grantee:* Vinícius Nunes de Gouvêa. *Home Institution:* University of São Paulo. *Total Budget:* U\$ 36,500 < [details](#) >

Grant number: 2012/14289-0. *Grant type:* Regular Research Grant supported by The São Paulo Research Foundation. *Principal Investigator:* Dr. Alexandre Vaz Pires. *Home Institution:* University of São Paulo. *Total Budget:* U\$ 178,000 < [details](#) >

Grant number: 2013/19240-1. *Grant type:* Scholarship abroad supported by The São Paulo Research Foundation during the graduate program. Visiting Scholar at The Ohio State University – OSU - USA. *Principal Investigator:* Dr. Alexandre Vaz Pires. *Supervisor abroad:* Maurice L. Eastridge. *Grantee:* Vinícius Nunes de Gouvêa. *Total Budget:* U\$ 18,120 < [details](#) >

Grant number: 14/14136-4. *Grant type:* Thematic Grant supported by The São Paulo Research Foundation. *Principal Investigator:* Dr. Alexandre Vaz Pires. *Home Institution:* University of São Paulo. *Total Budget:* U\$ 320,000 < [details](#) >

TEACHING EXPERIENCE

“Formulating rations for finishing beef cattle” - Teaching Assistant.

Course: ESALQ/FEALQ - Extension program. Instructor: Dr. Flávio Augusto Portela Santos.

Institution: São Paulo State University, Piracicaba, Brazil.

Period: 13 to 17/05/2013;

Activities: assisted professor with in-class activities, presented lecture (using the NRC software to formulate diets).

“Ruminant Nutrition” (LZT0446) - Teaching Assistant.

Course: ESALQ Undergraduate program. Instructor: Dr. Alexandre Vaz Pires.

Institution: São Paulo State University, Piracicaba, Brazil.

Period: 03/2014 to 07/2014;

Activities: assisted professor with in-class activities, presented lectures (protein, carbohydrates and minerals), reviewed, corrected, and graded projects/exams.

“Formulating mineral and vitamins supplements for beef cattle” - Instructor.

Course: UNESP/UNOESTE - Graduate program. Coordinator: Dr. Danilo Millen.

Institution: UNESP/UNOESTE partnership, Presidente Prudente, Brazil.

Period: 03/2016 (8 h);

Activity: presented lecture (Formulating mineral and vitamins supplements for beef cattle).

BUSINESS TRAINING

- P.M.P - Project management professional
- First time line manager training
- New business strategies

PROFESSIONAL DEVELOPMENT

Attendee - Tri-State Dairy Nutrition Conference, Fort Wayne, IN, 2019

Attendee - National Meeting: American Society of Animal Science, Baltimore, MD. July 2017

Attendee - National Meeting: American Society of Animal Science, Salt Lake City, UT. July 2016

Attendee - Tri-State Dairy Nutrition Conference, Fort Wayne, IN, 2014

Attendee - National Meeting American Society of Animal Science, Indianapolis, IN. July 2013