Amanda **Alvarenga**

PH.D. CANDIDATE
College of Agriculture- Purdue University

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abalvarenga | 🔗 amanda-alvarenga

My expertise includes organization, analysis, and interpretation of large-scale datasets, quantitative genetic and genomic analysis, and development of research, including tools and pipelines. I enjoy devising solutions to a variety of problems (research and otherwise), coordinating groups and/or meetings, and helping others conduct their research. My philosophy when it comes to innovation and goals is 'If at first you don't succeed, try, try again!'

Education

Purdue University   *West Lafayette, IN, USA*
DOCTOR OF PHILOSOPHY IN ANIMAL SCIENCES WITH FOCUS ON QUANTITATIVE GENETICS AND GENOMICS   *2019 – 2022*
- Dissertation title: Genetic and Genomic modeling of welfare indicator traits in cattle population
- GPA: 4.00/4.00

Federal University of Viçosa   *Viçosa, MG, Brazil*
DOCTOR OF PHILOSOPHY IN ANIMAL SCIENCES WITH FOCUS ON QUANTITATIVE GENETICS AND GENOMICS   *2018 – 2019*
- Incomplete due to transition to the pursuit of Ph.D. in the USA
- GPA: 4.00/4.00

"Luiz de Queiroz" College of Agriculture - University of São Paulo   *Piracicaba, SP, Brazil*
MASTER OF ANIMAL SCIENCES AND PASTURES WITH FOCUS IN QUANTITATIVE GENETICS AND GENOMICS   *2015 – 2017*
- Dissertation Title: Feed efficiency traits in Santa Inês sheep under genomic approaches
- GPA: 3.95/4.00

Federal University of Lavras   *Lavras, MG, Brazil*
BACHELOR OF ANIMAL SCIENCES   *2011 – 2015*
- Dissertation Title: Modeling equations to predict energetic values using metanalysis and Bayesian approaches in broilers
- Graduated with highest GPA and 1st place in the 'Academic Merit' award

Skills

Language
PORTUGUESE (NATIVE SPEAKER), ENGLISH (FULL PROFESSIONAL)

Programming Languages
BASH, R, PYTHON (BASIC, LEARNING)

Markup Languages
RMARKDOWN, SHINYAPP

Microsoft Office
EXCEL, OUTLOOK, ONENOTE, POWERPOINT, WORD

Other Software
ALPHASIM, BLUPF90 FAMILY SOFTWARE, GS3, GENSEL, GCTA, PLINK, QMSIM, SAS, SNP1101, WOMBAT

Honors

InnovatED magazine   *West Lafayette, IN, USA*
PURDUE UNIVERSITY   *2022*
- Article selected to be published in the Purdue University Graduate Research magazine (award of $100.00)

W.R. Featherston Early Graduate Career Award   *West Lafayette, IN, USA*
PURDUE UNIVERSITY   *2021*
- Recognize the outstanding M.S. or Ph.D. student within the first two years of graduate study (award of $650.00)

LOUJA Graduate Travel Awards

West Lafayette, IN, USA

PURDUE UNIVERSITY

2021

- Oral presentation competition winner (award of $1000.00)

US-Based Early Career Researcher Scholarship

Brisbane, Australia (Online)

6TH INTERNATIONAL CONFERENCE OF QUANTITATIVE GENETICS

2020

- Scholarship to attend the 6th International Conference of Quantitative Genetics

25th Summer Institute in Statistical Genetics Scholarship

Seattle, WA, USA

UNIVERSITY OF WASHINGTON SCHOOL OF PUBLIC HEALTH

2020

- Scholarship to attend three modules of the SISG

College of Agriculture's Dr. Dagnatchew Yirgou Endowment Travel Award

West Lafayette, IN, USA

PURDUE UNIVERSITY

2019

- Award of $500.00

Honors degree

Lavras, MG, Brazil

FEDERAL UNIVERSITY OF LAVRAS

2015

- Graduated with highest GPA and set herself apart in 1st place in the 'Academic Merit' award

Academic and Work Experiences

Graduate Research Assistant

West Lafayette, IN, USA

PURDUE UNIVERSITY

2019 – NA

- Analyzed mixed and other complex models, including threshold and random regression (reaction norm) models to estimate variance components, predict genomic breeding values, and gene mapping
- Prepared statistical pipelines to conduct genetic and genomic projects
- Researched alternatives to optimize genomic predictions
- Solved statistical analytics problems
- Collaborated with a genetic company to conduct research of high relevance and applicability in the agriculture system
- Presented at the department and international conferences to disseminate knowledge and results for an academic and lay audience
- Assisted undergraduate and graduate students in their research projects: theory and programming
- Wrote reports and a proposal

Voluntary Teaching Assistant

West Lafayette, IN, USA

PURDUE UNIVERSITY

2021 – 2021

- Taught and mentored undergraduate students' technical subjects in breeding and genetics and explained their applicability in the industry
- Prepared and presented a quantitative genetics class to help students to apply the theory into practice
- Improved English verbal and written communication skills by presenting to students, interacting with them during office hours, and answering e-mail

Quantitative Geneticist Intern

Saint Joseph, MO, USA

ANGUS GENETICS INC.

2021 – 2021

- Assessed and edited over 1 million genotyped individuals (i.e. 54K SNP panel), 200,000 phenotype individuals, and 1 million individuals in the pedigree to perform genomic analysis
- Analyzed and modeled categorical traits recorded on individuals located in different countries (USA, Canada, Australia, and New Zealand) to identify an optimum genetic evaluation across countries and account for genotype-by-environment interaction
- Evaluated data structure, population stratification, genotype-by-environment interaction, model definition, genome-wide association, and genomic prediction
- Presented and reported the results written and verbal to a genetic and non-genetic audience
- Interacted with multiple entities and groups (e.g. customer service, regional managers, information technology, product development, producer/farmer)

Graduate Research Assistant

Viçosa, MG, Brazil

FEDERAL UNIVERSITY OF VIÇOSA

2018 – 2019

- Simulated genomic information to test and validate genomic prediction approaches
- Performed genomic analysis using alternative approaches to account for crossbred population into a purebred evaluation
- Contributed to other projects in genome-wide association and machine learning

Graduate Research Assistant

Piracicaba, SP, Brazil

"LUIZ DE QUEIROZ" COLLEGE OF AGRICULTURE- UNIVERSITY OF SAO PAULO

2015 – 2017

- Conducted a genetic and genomic project
- Collaborated with other research groups by helping in the experimental analysis
- Learned to work on Unix environment (e.g. BASH functions) and SAS

Voluntary Undergraduate Teaching Assistant

Lavras, MG, Brazil

FEDERAL UNIVERSITY OF LAVRAS

2014 – 2014

- Taught undergraduate students about quantitative genetics

Undergraduate Research Assistant *Lavras, MG, Brazil*

Federal University of Lavras *2012 – 2015*

- Learned R and WinBUGs to conduct the modeling analysis
- Performed a metanalysis and modeling prediction equations, and applied Bayesian approaches
- Presented the results in statistical conferences

Publications

Genetic modeling and genomic analyses of yearling temperament in American Angus cattle and its relationship with productive efficiency and resilience traits

Alvarenga A.B., Oliveira H.R., Miller S.P., Silva F.F., Brito L.F. *2022*

- Frontiers in Genetics , [doi](https://www.10.3389/fgene.2022.794625)

A systematic review of genomic regions and candidate genes underlying behavioral traits in farmed mammals and their link with human disorders

Alvarenga A.B., Oliveira H.R., Chen S.Y., Miller S.P., Marchant J.N., Grigoletto L., Brito L.F. *2021*

- Animals 11 (715), [doi](https://www.doi.org/10.3390/ani11030715)

Haplotype-based single-step GWAS for yearling temperament in American Angus cattle

Araujo A.C., Carneiro P.L.S., Alvarenga A.B., Oliveira H.R., Miller S.P., Retallick K., Brito L.F. *2021*

- Genes 13 (1):17, [doi](https://www.doi.org/10.3390/genes13010017)

Comparing alternative single-step GBLUP approaches and training population designs for genomic evaluation of crossbred animals

Alvarenga A.B., Veroneze R., Oliveira H.R., Marques D.B.D., Lopes P.S., Silva F.F., Brito L.F. *2020*

- Frontiers in Genetics 11 (263), [doi](https://www.doi.org/10.3389/fgene.2020.00263)

Genetic parameters, genome-wide association and gene networks for milk and reproductive traits in Guzera cattle

Paiva J.T., Peixoto M.G.C.D., Bruneli F.A.T., Alvarenga A.B., Oliveira H.R., Silva A.A., Silva D., Veroneze R., Silva F.F., Lopes P.S. *2020*

- Livestock Science 242, [doi](https://www.doi.org/10.1016/j.livsci.2020.104273)

Incorporating temperament traits in dairy cattle breeding programs: challenges and opportunities in the phenomics era

Chang Y., Brito L.F., Alvarenga A.B., Wang Y. *2020*

- Animal Frontiers 10(2), [doi](https://www.doi.org/10.1093/af/vfaa006)

Progesterone-based timed AI protocols for Bos Indicus cattle I: evaluation of ovarian function

Madureira G., Motta J.C.L., Drum J.N., Consentini C.C., Prata A., Monteiro P.L.J., Melo L.F., Alvarenga A.B., Wiltbank M., Sartori R. *2020*

- Theriogenology 145, [doi](https://www.doi.org/10.1016/j.theriogenology.2020.01.030)

Linkage disequilibrium in Brazilian Santa Inês breed, Ovis aries

Alvarenga A.B., Rovadoscki G.A., Petrini J., Coutinho L.L., Morota G., Spangler M.L., Pinto L., Carvalho G.G.P., Mourao G.B. *2018*

- Scientific Reports 8 (8851), [doi](https://www.doi.org/10.1038/s41598-018-27259-7)

Estimated of genomic heritability and genome-wide association study for fatty acids profile in Santa Ines sheep

Rovadoscki G.A., Pertile S., Alvarenga A.B., Cesar A.S.M., Pertille F., Petrini J., Franzo V., Soares W.V.B., Morota G., Spangler M.L., Pinto L., Carvalho G.G.P., Lanna D.P., Coutinho L.L., Mourao G.B. *2018*

- BMC Genomics 19, [doi](https://www.doi.org/10.1186/s12864-018-4777-8)

Community and College Services

Social Committee Member *West Lafayette, IN, USA*

Graduate Student Association- Department of Animal Sciences- Purdue University *2019 – 2020*

- Organized social events for graduate students, researchers, and staff networking

Workshop Organizer Assistant

Piracicaba, SP, Brazil

"Luiz de Queiroz" College of Agriculture- University of Sao Paulo

2017 – 2017

- 1st Workshop on Omics Strategies Applied to Livestock Science
- Developed organizational and communication skills
- Hosted international researchers during the event by taking them to lunches and dinners

Conference Organizer Assistant (Poster Evaluator)

Piracicaba, SP, Brazil

"Luiz de Queiroz" College of Agriculture- University of Sao Paulo

2016 – 2016

- 24th Symposium of Undergraduate Scientific Research and Extension

Treasurer and Social Committee Member

Lavras, MG, Brazil

Animal Breeding and Biotechnology Research and Study Group- Department of Animal Sciences- Federal University of Lavras

2013 – 2015

- Developed organizational skills, including financial, to administrate the money raised for the research group through workshops and symposiums

Conference Organizer Assistant

Lavras, MG, Brazil

Animal Breeding and Biotechnology Research and Study Group- Department of Animal Sciences- Federal University of Lavras

2014 – 2014

- Solved problems and unforeseen events during the conference
- Hosted the event by taking the speakers to lunch and dinner, and mediating the conference
- Planned all the details involved in the conference, including advertisement, food, the layout, and schedule
- Developed leadership skills by assigning tasks to other undergraduate students and helping them to a better job for a perfect conference

Educational Assistant- Voluntary Work

Lavras, MG, Brazil

National Federation of APAES

2013 – 2013

- Assisted as teaching assistant at a school for children requiring special educational services for developmental and learning disability
- Helped children with their school activities

Courses/Workshops

Relevant courses are being listed.

Genomic prediction considering admixed populations and genotype-by-environment interaction

Wageningen, The Netherlands

Wageningen University & Research

June 2022 – July 2022

- How to estimate breed-origin-of-alleles (BOA) in admixed populations.
- How to use BOA in genomic predictions of admixed populations.
- How to include genotype by environment interactions in genomic prediction.

Programming and computer algorithms in animal breeding with a focus on single-step GBLUP and genomic selection in practice

Athens, GA, USA

University of Georgia

May 2022 – June 2022

- Advanced programming in Fortran 95/2003 and computer algorithms
- Modeling: single-trait, multiple-trait, random-regression,competition, threshold, censored
- Dimensionality of gneomic information, analyses of sequence data, causative variants

Writing and presenting scientific papers

Davos, Switzerland

72nd Annual Meeting of the European Federation of Animal Science

Aug. 2021 – Aug. 2021

Computational pipeline for whole genome sequencing data

Seattle, USA (Online)

25th Summer Institute in Statistical Genetics Scholarship

July 2020 – July 2020

- Hands-on introduction to whole genome sequence analysis pipelines

Current topics in genomics

West Lafayette, IN, USA

Purdue University

Aug. 2020 – Dec. 2020

- Weekly seminars with invited speakers from across the world
- Many topics covered by specialist, including genomic prediction, genome-wide association, epigenomics, metabolomics

Big data analytics and high-performance computing

West Lafayette, IN, USA

Purdue University

Jan. 2020 – May 2020

- Machine learning application, linear, non-linear, and logistic regression, classification algorithms

Genome-wide landscape of Copy Number Variations in cattle

Purdue University

West Lafayette, IN, USA

June 2019 – June 2019

- Speaker: Dr. Magda Mielczarek (Wroclaw University of Environmental and Life Sciences, Poland)
- Background about Copy Number Variants
- Application and pipeline to identify Copy Number Variants using whole genome sequencing data: alignment to the reference genome (BWA), post-alignment (Picard, SAMtools), CNV detection (CNVnator, Pindel), CNV annotation (VEP), and statistical analysis

Quantitative genomics applied to breeding

Purdue University

West Lafayette, IN, USA

Aug. 2019 – Dec. 2019

- Review all the main definitions and analysis applied to genetics and genomics
- Some topics aborded were quantitative genetics theory, variance components estimation, population structure, imputation, linkage disequilibrium, genome-wide association, and genomic prediction, simulation of dataset
- Software: R, FImpute, QMSim, AlphaSim, BLUPF90, PLINK, GCTA

Quantitative genetics

Purdue University

West Lafayette, IN, USA

Aug. 2019 – Dec. 2019

- Review of genetic and population genetics concept and application in plants

Multivariate analysis

Federal University of Viçosa

Viçosa, MG, Brazil

Aug. 2018 – Dec. 2018

- Learned the theory of many methods used in multivariate analysis, including, for example, principal components, factor analysis, orthogonal polynomials.
- Application using R software

Data analysis in animal breeding and genetics

Federal University of Viçosa

Viçosa, MG, Brazil

Aug. 2018 – Dec. 2018

- Learned and overviewed many concepts of genetic and genomic analysis, for example, linkage disequilibrium, effective population size, fixation index, variance components, genome-wide association analysis, genomic prediction, pedigree and genomic relationship matrix, selection index, and optimum contribution selection
- Application using R, BASH command lines, and many genomic statistical software (e.g., AIREML, Wombat, BLUPF90, PLINK)

Bayesian inference applied to animal breeding and genetics

Federal University of Viçosa

Viçosa, MG, Brazil

Aug. 2018 – Dec. 2018

- Learned the theory of Bayesian Inference and derived all the distributions and mixed models

Bayesian Inference applied to animal breeding and genetics

Federal University of Viçosa

Viçosa, MG, Brazil

Aug. 2018 – Dec. 2018

- Application using R and other software

Linear mixed models workshop

Federal University of Viçosa

Viçosa, MG, Brazil

Oct. 2018 – Oct. 2018

- Speakers: Dr. Alencar Xavier (Corteva, USA) and Dr. Gota Morota (Virginia Tech, USA)

V Workshop of applied statistics and biometry

Federal University of Viçosa

Viçosa, MG, Brazil

Sept. 2018 – Sept. 2018

Generalized linear model

Federal University of Viçosa

Viçosa, MG, Brazil

Sept. 2018 – Sept. 2018

- Speaker: Dr. Clarice Demetrio ("Luiz de Queiroz" College of Agriculture- University of São Paulo, Brazil)

Animal breeding in the genomics era: challenges and opportunities

Federal University of Viçosa

Viçosa, MG, Brazil

Sept. 2018 – Sept. 2018

- Speaker: Dr. Mario Calus (Wageningen University, The Netherlands)

Quantitative genetics and genomics workshop

"Luiz de Queiroz" College of Agriculture- University of São Paulo

Piracicaba, SP, Brazil

May 2018 – May 2018

- Speaker: Dr. Gota Morota, Dr. Jeremy Howard, Matt Spangler (University of Nebraska-Lincoln, USA)

Linear models I

"Luiz de Queiroz" College of Agriculture- University of São Paulo

Piracicaba, SP, Brazil

March 2016 – June 2016

- Theory and application (in R) of linear models, including derivation

Genetics of physiological processes in domestic animals

"Luiz de Queiroz" College of Agriculture- University of São Paulo

Piracicaba, SP, Brazil

March 2016 – June 2016

Teaching preparation in animal sciences and pastures

"Luiz de Queiroz" College of Agriculture- University of São Paulo

Piracicaba, SP, Brazil

March 2016 – June 2016

- Weekly practicing of different techniques to present scientific results to an academic and lay audience

Scientific communication techniques in animal sciences and pastures I
Piracicaba, SP, Brazil
"Luiz de Queiroz" College of Agriculture- University of São Paulo
March 2016 – June 2016
- Techniques improve written communication skills

Quantitative genetics and genomics workshop
Piracicaba, SP, Brazil
"Luiz de Queiroz" College of Agriculture- University of São Paulo
May 2016 – May 2016
- Speakers: Dr. Gota Morota, Matt Spangler (University of Nebraska-Lincoln, USA)

Special topics in animal breeding and genetics
Piracicaba, SP, Brazil
"Luiz de Queiroz" College of Agriculture- University of São Paulo
Aug. 2016 – Dec. 2016
- General topics in genetics, including DNA genotyping procedures, RNA sequencing, DNA methylation

Population genetics
Piracicaba, SP, Brazil
"Luiz de Queiroz" College of Agriculture- University of São Paulo
Aug. 2016 – Dec. 2016

Scientific communication techniques in animal sciences and pastures II
Piracicaba, SP, Brazil
"Luiz de Queiroz" College of Agriculture- University of São Paulo
Aug. 2016 – Dec. 2016
- Techniques improve oral communication skills

Algebra and matrices
Piracicaba, SP, Brazil
"Luiz de Queiroz" College of Agriculture- University of São Paulo
Jan. 2016 – Jan. 2016

Probability and statistics
Piracicaba, SP, Brazil
"Luiz de Queiroz" College of Agriculture- University of São Paulo
Jan. 2016 – Jan. 2016

Differential calculus
Piracicaba, SP, Brazil
"Luiz de Queiroz" College of Agriculture- University of São Paulo
Jan. 2016 – Jan. 2016

Regression and covariance
Piracicaba, SP, Brazil
"Luiz de Queiroz" College of Agriculture- University of São Paulo
Aug. 2015 – Dec. 2015
- Theory and application (in R) of linear regression, multiple linear regression, residual analysis and diagnostic, correlations, model selection, polynomials orthogonal

Planning and analysis of animal experiments
Piracicaba, SP, Brazil
"Luiz de Queiroz" College of Agriculture- University of São Paulo
Aug. 2015 – Dec. 2015
- Experimental design and analysis applied to animal sciences and pastures
- Learned SAS to apply alternative models

I Workshop in genetic statistics- updating in genomic analysis
Lavras, MG, Brazil
Federal University of Lavras
2015 – 2015
- Data analysis of RNA sequencing (Dr. Fabyano Silva, Federal University of Vicosa, Brazil)
- Application of genomic selection (Dr. Marcio Balestre, Federal University of Lavras, Brazil)

Log-symmetric regression models in R workshop
Campinas, SP, Brazil
XIV Brazilian School of Regression Models
2015 – 2015

Genomic selection applied to genetic breeding programs
Lavras, MG, Brazil
Federal University of Lavras
2014 – 2014

Introduction to the R software
Lavras, MG, Brazil
Federal University of Lavras
2013 – 2013

Introduction to the Bayesian Inference
Ouro Preto, MG, Brazil
XI Mineiro Meeting of Statistics
2012 – 2012

Presentations, abstracts and other publications

Nature vs. Nurture: examining how cow behavior can change over time
West Lafayette, IN, USA
Alvarenga A.B.
2022
- InnovatED (January 2022- Issue 3).

A genomic evaluation of genotype-by-environment interactions for foot scores in American and Australian Angus cattle
Rotterdam, The Netherlands
Alvarenga A.B., Retallick K., Garcia A., Oliveira H.R., Miller S.P., Byrne A., Brito L.F.
2022
- 12th World Congress on Genetics Applied to Livestock Production. Conference paper selected for oral presentation

A genetic study of temperament in American Angus heifers and cows.
Davos, Switzerland
Alvarenga A.B., Oliveira H.R., Miller S.P., Retallick K., Brito L.F.
2021
- 72nd Annual Meeting of the European Federation of Animal Sciences. Oral presentation

Genetic parameters for food allergy responses in divergently-selected pig lines

Chen Y., Oliveira H.R., Alvarenga A.B., Schinckel A., Stewart T.S., Brito L.F.

2021

- Journal of Animal Science. Poster presentation

Genomic mechanisms underlying behavioral traits across livestock species and their potential application in genomic prediction of breeding values

Brisbane, Australia (Online)

Alvarenga A.B., Oliveira H.R., Miller S.P., Lu D., Marchant J.N., Brito L.F.

2020

- 6th International Conference of Quantitative Genetics. Short oral presentation and it was selected to be played during the main program

Model development and estimation of genetic parameters for docility in American Angus cattle

Brisbane, Australia (Online)

Alvarenga A.B., Brito L.F., Oliveira H.R., Lu D., Marchant J.N., Miller S.P.

2020

- 6th International Conference of Quantitative Genetics. Poster presentation

Unravelling genomic regions associated with temperament in American Angus cattle

Brisbane, Australia (Online)

Oliveira H.R., Alvarenga A.B., Miller S.P., Schenkel F.S. Brito L.F.

2020

- 6th International Conference of Quantitative Genetics. Poster presentation

Genetic parameters for soybean allergy response in divergently selected pigs

Chen Y., Schinckel A., Stewart T., Brito L.F., Oliveira H.R., Alvarenga A.B.

2020

- Journal of Animal Science. Poster presentation

Using information from purebred and crossbred individuals into genomic prediction

Salvador, BA, Brazil

Alvarenga A.B., Marques D.B.D., Fernandes C.G., Brito L.F., Lopes P.S., Silva F.F., Veroneze R.

2019

- XIII Brazilian Symposium of Animal Breeding. Poster presentation (Portuguese)

Genomic prediction of crossbred individuals using simulated dataset

Viçosa, MG, Brazil

Alvarenga A.B., Fernandes C.G., Andrade M.V., Brito L.F., Silva F.F., Veroneze R.

2018

- I Symposium of Genetic and Animal Breeding. Poster presentation (Portuguese)

Circulating PGFM increases in response to oxytocin challenge from 25 to 60 days of pregnancy in dairy cows

New Orleans, USA

Drum J.N., Monteiro P.L.J., Prata A., Gennari R.S., Gamarra C.A., Brich M., Alvarenga A.B., Canavessi A.M.O., Wiltbank M., Sartori R.

2018

- 51st Annual Meeting of Society for the Study of Reproduction. Poster presentation

Bayesian methods and different π for genomic selection on residual feed intake using small training population

Piracicaba, SP, Brazil

Alvarenga A.B., Petrini J., Cesar A.S.M., Rovadoscki G.A., Coutinho L.L. Carvalho G.G.P., Pinto L. Mourao G.B.

2017

- I Workshop on Omics Strategies Applied to Livestock Science. Poster presentation

Genome-wide association study for milk fat using principal component analysis in Holstein cows

Piracicaba, SP, Brazil

Salvian M., Petrini J., Carrara E.R., Rovadoscki G.A., Alvarenga A.B., Coutinho L.L., Machado P.F., Wiggans G.R., Mourao G.B.

2017

- I Workshop on Omics Strategies in Livestock Science. Poster presentation

Supplementation of protein in a creep-feeding system during calving does not influence semen characteristics and testicular development in bulls of Tabapua breed

Belo Horizonte, MG, Brazil

Carvalho L.R., Silva L.O.E, Santos A.P.C., Madureira G., Reis M.T.R., Alvarenga A.B., Marinho P.H.A., Barreto Filho J.B.

2017

- Brazilian Congress of Animal Reproduction. Poster presentation (Portuguese)

Reproductive efficiency of Nelore cows submitted to 7-d FTAI protocols initiated with estradiol benzoate or GnRH and with or without GnRH at the time of AI

Cabo de Santo Agostinho, CE, Brazil

Consentini C.E.C., Madureira G., Motta J.C.L., Melo L.F.E., Prata A.B., Golcalves J.R.S., Monteiro Jr. P.L.J., Alvarenga A.B., Wiltbank M.C., Sartori R.

2017

- 31st Annual Meeting of Brazilian Society of Embryos Technology. Poster presentation (Portuguese)

Daily ovarian dynamics in Nelore heifers and non-lactating multiparous cows submitted to progesterone (P4)-based FTAI protocols

Cabo de Santo Agostinho, CE, Brazil

Motta J.C.L., Madureira G., Marchi R.D., Drum J.N., Consentini C.E.C., Prata A.B., Monteiro Jr. P.L.J., Alvarenga A.B., Wiltabank M.C., Sartori R.

2017

- 31st Annual Meeting of Brazilian Society of Embryos Technology. Poster presentation (Portuguese)

Reproductive performance of Nelore heifers submitted to a 7-d P4-based FTAI protocol using either estradiol benzoate or GnRH at the beginning and with or without GnRH at the time of AI

Cabo de Santo Agostinho, CE, Brazil

Madureira G., Consentini C.E.C., Motta J.C.L., Prata A.B., Monteiro Jr. P.L.J., Melo L.F.E., Alvarenga A.B., Goncalves J.R.S., Wiltbank M.C., Sartori R.

2017

• 31st Annual Meeting of Brazilian Society of Embryos Technology. Poster presentation (Portuguese)

Changes in the profile of PGFM following an oxytocin challenge during the first 60 days of pregnancy in dairy cows

Cabo de Santo Agostinho, CE, Brazil

Drum J.N., Monteiro Jr. P.L.J., Prata A.B., Gennari R.S., Gamarra C.A., Brich M., Alvarenga A.B., Canavessi A.M.O., Wiltbank M.C., Sartori R.

2017

• 31st Annual Meeting of Brazilian Society of Embryos Technology. Poster presentation (Portuguese)

Diferencial expression. Between animals with different fat acids in the muscle

Piracicaba, SP, Brazil

Trevisoli P.A., Cesar A.S.M, Carrara E.R., Alvarenga A.B., Silva I.S.M.E., Pampolini J., Regitano L.C.A., Mourao G.B., Coutinho L.L.

2017

• X Scientific Symposium of Graduate Students in the CENA: New era of research, transformation, leadership and innovation. Poster presentation (Portuguese)

Novelty SNPs for feed efficiency in Santa Inês breed sheep

Jaboticabal, SP, Brazil

Alvarenga A.B., Rovadoscki G.A., Petrini J., Santos A.C.P., Coutinho L.L., Carvalho G.G.P., Pinto L., Mourao G.B.

2016

• 1st International Meeting of Advances in Animal Science. Poster presentation

Proteic supplementation in creep-feeding system during calving period does not interferes in the sexual development of heifers of Tabapua breed

Pirassununga, SP, Brazil

Madureira G., Carvalho L.R., Silva L.O.E., Alvarenga A.B., Coelho C.F., Casagrande D.R., Barreto Filho J.B.

2016

• VI Research Symposium and Graduate Program of Reproduction. Poster presentation (Portuguese)

Modeling equations to predict food energy values for broilers using metanalysis and Bayesian inference

Campinas, SP, Brazil

Alvarenga A.B., Lima R.R., Safadi T.

2015

• XIV School of Regression Models. Poster presentation (Portuguese)

Modeling prediction equations for energy values of concentrated food for broilers using Bayesian approach

Lavras, MG, Brazil

Alvarenga A.B., Safadi T., Lima R.R., Mariano F.C.M.Q., Rodrigues P.B., Alvarenga R.R.

2014

• XXVII Research Congress of Federal University of Lavras. Poster presentation (Portuguese)

Bayesian inference in the regression modeling of energetic values food for broilers

Lavras, MG, Brazil

Alvarenga A.B., Safadi T., Lima R.R., Mariano F.C.M.Q., Oliveira E.C., Alvarenga R.R.

2014

• XXVII Research Congress of Federal University of Lavras. Poster presentation (Portuguese)

Development of broilers from 22 to 42 days of age being fed with different energetic diets

Lavras, MG, Brazil

Messias T.C., Alvarenga A.B., Nogueira A.R., Jordan F.C., Rodrigues P.B., Alvarenga R.R.

2014

• XXVII Research Congress of Federal University of Lavras. Poster presentation (Portuguese)

Comparing different coefficients used in neural networks to predict energetic values of feed for broilers

Uberlandia, MG, Brazil

Alvarenga A.B., Mariano F.C.M.Q., Lima R.R.

2013

• XII Mineiro Meeting of Statistics. Poster presentation (Portuguese)

Influence of number of nodes in a neural network analysis to predict energetic values of feed for broilers

Uberlandia, MG, Brazil

Mariano F.C.M.Q., Alvarenga A.B., Lima R.R.

2013

• XII Mineiro Meeting of Statistics. Poster presentation (Portuguese)

Use of prediction equations for energetic values of concentrated food for broilers in the initial phase

Foz do Iguacu, PR, Brazil

Rodrigues P.B., Alvarenga R.R., Oliveira E.C., Mariano F.C.M.Q., Garcia Jr. A.A.P., Lima E.M.C., Alvarenga A.B., Oliveira D.H.

2013

• XXIII Animal Sciences Brazilian Congress. Poster presentation (Portuguese)
• XXIII Animal Sciences Brazilian Congress. Poster awarded

Development of broilers fed with formulated meal using different calcium: phosphate ratio and supplemented with 3 and/or 6 phytase

Foz do Iguacu, PR, Brazil

Nardelli N.B.S., Rodrigues P.B., Naves L.P., Lima E.M.C., Garcia Jr. A.A.P., Oliveira E.C., Cruz F.L., Alvarenga A.B.

2013

- XXIII Animal Sciences Brazilian Congress. Poster presentation (Portuguese)

Evaluating different regression methods to predict energy of diets for broilers production

Lavras, MG, Brazil

Alvarenga A.B., Mariano F.C.M.Q., Lima R.R., Alvarenga R.R., Rodrigues P.B.

2012

- XXVI Research Congress of Federal University of Lavras. Poster presentation (Portuguese)