1st International Meeting of Advances in Animal Science

June 8 -10, 2016, Jaboticabal, São Paulo, Brazil

Conference Information and Scientific Program

DIAMOND

affymetrix

GOLD

ABVista

trouw nutrition
a Nutreco company

SILVER

AJINOMOTO
AJINOMOTO ANIMAL NUTRITION GROUP

Phibro
ANIMAL HEALTH CORPORATION

Alltech

LECO

EVONIK
INDUSTRIES

Yes

BRONZE

AGROMIX
NUTRIÇÃO ANIMAL

kera

GRASP

NEOGEN

illumina

RURALCON

LALLEMAND
LALLEMAND ANIMAL NUTRITION

ICC
Agregando valor à nutrição

Phileo
LESAFFRE ANIMAL CARE

Suiaves

FIELD

TECHNOFEED

SUPPORT

CAPES

PROPE

PROPG

CRMVSP
CONSELHO REGIONAL DE MEDICINA VETERINÁRIA DO ESTADO DE SÃO PAULO

Fundunesp
Fundação para o Desenvolvimento da Unesp

FAPESP

TABLE OF CONTENTS

Welcome Letter....4
Graduate Program of Animal Science of Unesp-Jaboticabal....5
General Information....5
Venue....5
Guide to Exhibitors....5
Registration Hours....5
Identification....5
Social Events....6
Book Release....6
Pizza Party....6
Gala Dinner....6
Important Phone Numbers....6
Presentation Information....6
Oral and Invited Speakers: Onsite Upload Information....6
Poster Presentations....6
Scientific Program....7
5th Mixed Model Workshop....7
Workshop "Researcher Carrier: The Questions You Have Never Had the Opportunity to Ask"....7
General Symposium....7
Symposium on Scientific Advances in Non-Ruminants -....8
Symposium on Scientific Advances in Ruminants and Forage....9
Symposium on Physiological Systems in Birds And Mammals, and Biometeorology, Ambience, and Animal Welfare....12
Posters Presentations....13
Wednesday, June 8 Session I....13
Genetics and Animal Breeding....13
Thursday, June 9 Session I....16
Non-Ruminants....16
Genetics and Animal Breeding....18
Ruminants and Forages....19
Thursday, June 9 - Session II....20
Ruminants and Forages....20
Friday, June 10 - Session I....25
Physiology and Biometeorology, Ambience, and Animal Welfare....25
Non-Ruminants....27
Friday, June 10 - Session II....29
Ruminants and Forages....29
Map of Campus....33

WELCOME LETTER

On behalf of the Graduate Program in Animal Science of Unesp Jaboticabal (PPGZ Unesp Jaboticabal), we welcome you to the 1st International Meeting of Advances in Animal Science at Jaboticabal, SP, Brazil.

The 1st International Meeting of Advances in Animal Science (IMAS) is a major event dedicated to celebrate the 40th anniversary of the PPGZ Unesp Jaboticabal and to deliver stimulating content, and lively debates around relevant themes.

The IMAS brings together over forty leading speakers, professionals from public institutions and industries, and young researchers. More than 390 abstracts and 6 simultaneous symposia across the main research areas of the PPGZ Unesp Jaboticabal were scheduled. The program is conceived to offers the best opportunities for everyone from leading scientists to young researchers to take full advantage of the opportunity to share ideas and improve networking.Previously to IMAS two Satellite Workshops will be held, the "5th Mixed Model Workshop" (June 4 - 5) and "Researcher Carrier: the questions you have never had the opportunity to ask" (June 7). Both of them are dedicated to graduate students and young researchers, however all professionals are welcome.

The closing activity of the meeting will be the Ceremony of the 40th anniversary of the Graduate Program in Animal Science, in which we will acknowledge professionals that have dedicated their carrier to the success of the graduate program.

Attendees are also encouraged to take advantages of the social program of the meeting, there will a book release and reception on Wednesday evening followed by a Pizza Party. On Thursday, join us at the Gala Dinner.

The meeting will certainly present the latest advances in animal science, promote dialogue on the internationalisation of knowledge generated in Brazil, stimulate and provoke public interest about advances in animal science, and engage participants with global partners and perspectives

Many people are involved to make IMAS coming true. We are grateful to all of them, starting with our sponsors (a full list of sponsor is presented in this scientific program). The sponsors ensure the quality of the meeting, please take some time to acknowledge them during the meeting. The organizing and scientific committees have worked really hard, night and day, for almost a year to organize this great meeting. We also thank all the others that have contributed to this event and last but not least we thank all the attendees for participating in IMAS and making it a great success.

Organizing Committee

GRADUATE PROGRAM OF ANIMAL SCIENCE OF UNESP-JABOTICABAL

The Graduate Program of Animal Science of Unesp-Jaboticabal (PPGZ Unesp Jaboticabal), initiated its activities in June 1976. And it is devoted in high quality research, excellence in teaching and developing leaders in many areas of basic and applied animal science. The PPGZ Unesp Jaboticabal has around 1,000 alumni (511 Masters and 510 PhDs up to date) around the world, who are acting at renowned universities research institutes, as well as distinguished industries. All alumni of the graduate program are kindly welcome invited to join us in the 1st International Meeting of Advances in Animal Science this celebration.

GENERAL INFORMATION

VENUE

The meeting will be held at Unesp Jaboticabal campus (view map of campus – page 33)

Gymnasium of Unesp Jaboticabal

Registration desk
Exhibit Hall
Coffee break (Please make time to talk with our exhibitors while you are enjoying complimentary coffee and pastries)
Posters Presentation
General Symposium
Symposium on Scientific Advances in Ruminants and Forage

Amphitheater I

Symposium on Scientific Advances in Non-Ruminants

Convention Center of Unesp Jaboticabal

Workshop "Researcher Carrier: the questions you have never had the opportunity to ask"
Symposium on Scientific Advances in Genetics and Animal Breeding

Auditorium of Animal Science Department, Unesp Jaboticabal

Symposium on Physiological Systems in Birds and Mammals and Biometeorology, Ambience, and Animal Welfare

Informatic Laboratory

5th Mixed Model Workshop

GUIDE TO EXHIBITORS

Guide to Exhibitors	**Booth Numbers**
Hardy Tours	4
Book Release and Reception	5
Labcontrol	6
Trouw Nutrition	7
Tecnoglobo	8
Affymetrix	9
Phileo	10
Editora UFV	11/12

REGISTRATION HOURS

Registration for the workshops will be at the their venue; registration for the meeting will be at the Gymnasium of Unesp Jaboticabal. Registration hours for the meeting, will be as follows:

Wednesday, June 8	7:00 – 18:30
Thursday, June 9	8:00 – 18:30
Friday, June 10	8:00 – 18:00

IDENTIFICATION

All atendees must use their badge during the activities of the meeting.

SOCIAL EVENTS

BOOK RELEASE

Book Release "Métodos de Pesquisa em Nutrição de Monogástricos" by Sakomura & Rostagno will be held at Amphitheater I, and the autograph night and reception will be held on the Exhibit Hall

PIZZA PARTY

The Pizza Party will be held on June 8 (Wednesday) at "O Segredo da Pizza" (R. Prof. Antônio Ruete, 514– Nova Jaboticabal, Jaboticabal - SP) starting at 20:00. Pizza party invitation can be purchased on the registration desk up to Wednesday 15:00. Pizza party invitation must be presented at the "O Segredo da Pizza" entrance.

GALA DINNER

The gala dinner will be held on June 9th (Thursday) at "Buffet Ize" (Rua Cel. Odilon Ortiz, 70 – Nova Jaboticabal, Jaboticabal - SP) starting at 20:00. Dinner invitation can be purchased on the registration desk up to Thursday 12:00. Gala dinner invitation must be presented at the "Buffet Ize" entrance.

IMPORTANT PHONE NUMBERS

Drugstore

Drogal Farmacêutica	(16) 3204-1504
Drogaria Total	(16) 3204-2034
Drogaria São Paulo	(16) 3204-9949

Taxi Cab

Ponto de Táxi 9 de Julho	(16) 3202-1287
Ponto de Táxi Centenário	(16) 3202-3515
Ponto de Táxi Terminal Rodoviário	(16) 3202-0370

Emergency Phone Numbers

Bus station	(16) 3202-0072
Fireman Departament	193
Civil defense - Defesa Civil	199
Military Police -Polícia Militar	190
Emergency medical services -SAMU	192

Hotels

Hotel Recreio São Jorge	(16) 3202-3688
Hotel ibis Jaboticabal	(16) 2141-0099
Hotel Pousada Oásis Park	(16) 3203-5722

PRESENTATION INFORMATION

ORAL AND INVITED SPEAKERS: ONSITE UPLOAD INFORMATION

Onsite presentation upload will be available. Presentations must be uploaded at least 1 hour before the beginning of the session in which the presentation is scheduled. Files will not be accepted via e-mail. No presentations will be loaded while the session is in progress or between presentations.

POSTER PRESENTATIONS

We have dedicated a one-hour block each morning and afternoon to poster presentations in the Exhibit Hall at Gymnasium of Unesp Jaboticabal. Each poster will be available for public viewing for the entire period (morning or afternoon), with the presenting authors in attendance during the open posters time (check the scientific program). All posters must be mounted on the board at the beginning of the morning (8:00) or afternoon (13:30) of the day's session and must list the abstract number and corresponding day. Posters must be removed at the end of the session (12:30 and 19:00). Any posters remaining each day will be removed by the organizing committee and discarded. Each poster board number corresponds to the abstract number as noted in the program.

SCIENTIFIC PROGRAM

5th MIXED MODEL WORKSHOP

June 4th, 2016	
08:00 – 09:30	**Introduction to Mixed Models**. Dr. Izabelle A. M. A. Teixeira. *Unesp Jaboticabal, Brazil*
09:30 – 10:00	Coffee break
10:00 – 12:00	**Randomized Block Design**. Dr. Normand St-Pierre. *Perdue AgriBusiness, USA*
12:00 – 14:00	Lunch Break
14:00 – 16:00	**Latin Square**. Dr. Claudio Vaz Di Mambro Ribeiro. *UFBA, Brazil*
16:00 – 16:30	Coffee break
16:30 – 18:00	**Preparing the database for SAS**. Dr. Izabelle A. M. A. Teixeira. *Unesp Jaboticabal, Brazil*
June 5th, 2016	
08:00 – 09:30	**Repeated measures in time**. Dr. Fernando Sebastián Baldi Rey. *Unesp Jaboticabal, Brazil*
09:30 – 10:00	Coffee break
10:00 – 12:00	**Repeated measures in time**. Dr. Claudio Vaz Di Mambro Ribeiro. *UFBA, Brazil*
12:00 – 14:00	Lunch Break
14:00 – 15:00	**Case Study**. Dr. Normand St-Pierre. *Perdue AgriBusiness, USA*
15:00 – 16:00	**How to describe the stats in the Material and Methods section**. Dr. Fernando Sebastián Baldi Rey. *Unesp Jaboticabal, Brazil*
16:00 – 16:30	Coffee break
16:30 – 18:00h	**Case Study**. Dr. Normand St-Pierre. *Perdue AgriBusiness, USA*

WORKSHOP "RESEARCHER CARRIER: THE QUESTIONS YOU HAVE NEVER HAD THE OPPORTUNITY TO ASK"

June 7th, 2016	
9:00 – 9:50	**What's the profile of a researcher to be involved in a graduate program**. Dr. Clóves Cabrera Jobim. *Capes, Brazil*; *UEM, Brazil*
10:00 – 11:00	**How to develop a competitive proposal for CNPq**. Dr. Roberto Camargo Antunes. *CNPq, Brazil*
11:00 - 12:00	**The evolution of the evaluation of proposals at the CNPq committee and other concerns researchers must have before submitting a proposal.** Dr. Geraldo Tadeu dos Santos. *UEM, Brazil; CNPq, Brazil*
12:00 – 14:00	Lunch break
14:00 – 15:00	**How to provide a high quality review**. Dr. Sila Carneiro da Silva. *ESALQ/USP, Brazil; CNPq, Brazil*
15:00 – 16:00	**The challenges in project's management**. *To be defined*
16:00 – 16:30	Coffee break
16:30 – 17:30	Break the status quo, don't break the rules. Edilene Ribeiro Furlan. *English Field, Brazil*

GENERAL SYMPOSIUM - Gymnasium of Unesp Jaboticabal

June 8th, 2016	
8:00 - 9:00	Opening Ceremony
9:00 -10:00	**Higher education in Brazil: Past, Present, and Future.** Dr. Eunice Ribeiro Durham. *USP, Brazil*
10:00 -10:30	Coffee break
10:30 -11:30	**Bioethics in science.** Dr Franklin Leopoldo e Silva. *USP, Brazil*
11:30 -12:30	**Challenges for Science and Technology in São Paulo.** Dr Carlos Henrique de Brito Cruz. *Fapesp, Brazil*

SYMPOSIUM ON SCIENTIFIC ADVANCES IN NON-RUMINANTS - Amphitheater I

June 8th, 2016	
8:00 -12:30	**General Symposium** (Unesp Jaboticabal Gymnasium)
12:30 -14:00	Lunch break
14:00 -14:55	**Evolution of methods for assessing nutrient requirements in non-ruminants.** Dr. Nilva Kazue Sakomura. *Unesp Jaboticabal, Brazil*
14:55 -15:45	**Evolution of methodologies for assessing amino acid digestibility in feedstuffs.** Dr. Horacio Rostagno. *Universidade Federal de Viçosa, Brazil*
15:45 -16:00	**Energy requirements in function of two lighting programmes in a broiler breeders flock.** Nayara Tavares Ferreira*[1], Nilva Kazue Sakomura[1], Letícia Soares[1], Camila Angélica Gonçalves[1], Marcos José Batista dos Santos[1], and Robert M. Gous[2]. *[1]UNESP, Jaboticabal, Brazil; [2]University of KwaZulu-Natal, South Africa*
16:00 -16:30	Coffee break (Unesp Jaboticabal Gymnasium)
16:30 -17:30	**Statistics applied to non-ruminant nutrition.** Dr. Normand St-Pierre. *Perdue AgriBusiness, USA*
17:30 -19:00	**Book Release and Reception: "Métodos de Pesquisa em Nutrição de Monogástricos"** by Sakomura & Rostagno
20:00 -24:00	Pizza Party
June 9th, 2016	
8:30 -9:25	**Use of dual-energy X-ray absorptiometry in non-ruminant nutrition research.** Dr. Candido Pomar. *Agriculture and Agri-Food Canada, Canada*
9:25 -10:15	**Physiological responses of growing pigs to high ambient temperature and/or inflammatory challenges.** Dr. Paulo Henrique Reis Furtado Campos. *UFJMV, Brazil*
10:15 -10:30	**The ideal protein profile for finishing pigs in precision feeding systems and phase feeding systems: threonine.** Aline Remus*[1,2,3], Luciano Hauschild[2], Marie-Pierre Letournou-Montiminy[3], Candido Pomar[1,3]. *[1]Agriculture and Agri-Food Canada, Canada; [2]Unesp, Jaboticabal, Brazil; [3] Université Laval, Canada*
10:30 -11:00	Coffee break (Unesp Jaboticabal Gymnasium)
11:00 -12:00	**Poster presentation of scientific papers**
12:00 -12:30	**Genotyping tools for the latest advances in animal science.** Ms. Fernando Nodari. *Affymetrix, Brazil* (Unesp Jaboticabal Gymnasium)
12:30 -14:00	Lunch break
14:00 -15:00	**Measurement and prediction of the energy value of foods for dogs and cats.** Dr. Aulus Cavalieri Carciofi. *Unesp Jaboticabal, Brazil*
15:00 -15:15	**The effect of amino acids utilization on environmental impact of fattening pig production.** Alessandra N. T. R. Monteiro*[1], Paulo C. Pozza[1], Florence Garcia-Launay[2], Ludovic Brossard[2], Aurélie Wilfart[3], and Jean-Yves Dourmad[2]. *[1]UEM, Brazil; [2]INRA, Saint-Gilles, France; [3]INRA, Rennes, France.*
15:15 -15:30	**Pure glycerin supplementation by drinking water for broilers under heat stress and feed restriction.** Priscila O. Moraes*, Kátia M. Cardinal, Rodrigo Borille, Lucas Vilella, Bruna Schroeder, Carlos Ongaratto, Ines Andretta, and Andréa M. L. Ribeiro. *UFRGS, Brazil*
15:30 -15:45	**Effects of vitamin K supplementation on bone quality of meat quail from 1 to 14 days old.** Caroline Espejo Stanquevis, Simara Márcia Marcato*, Antônio Cláudio Furlan, Eliany Batista, Eline Maria Finco, Mariani Ireni Benites, and Tainara Ciuffi Euzebio. *UEM, Brazil*
15:45 -16:00	**Role of thermal energy in extrusion of dog food.** Peterson D.G. Pacheco*[1], Thaila C. Putarov[1], Júlia G. Pezzali[2], Mayara A. Baller[1], Francine M. Peres[1], Bruna A. Loureiro[1], Sajid Alavi[3], and Aulus C. Carciofi[1]. *[1]UNESP, Jaboticabal, Brazil; [2]UFRGS, Brazil; [3]Kansas State University, USA.*
16:00 -16:30	Coffee break (Unesp Jaboticabal Gymnasium)
16:30 -17:30	**Visit to the Poultry Facility/Visit to the Feed Mill**
17:30 -18:30	**Visit to the Poultry Facility/Visit to the Feed Mill**
20:00 -01:00	Gala Dinner
June 10th, 2016	
8:30 -9:30	**Modelling phosphorus and calcium requirements in swine.** Dr. Ermias Kebreab. *University of California, USA*
9:30 -10:30	**Nutritional solutions to improve broiler uniformity**, Dr. Robert Gous. *University of KwaZulu-Natal, South Africa*
10:30 -11:00	Coffee break (Unesp Jaboticabal Gymnasium)
11:00 -12:00	**Poster presentation of scientific papers**
12:00 -14:00	Lunch break
14:00 -15:00	**Visit to the Swine Facility/ Visit to the Companion Animal Nutrition Facility**
15:00 -16:00	**Visit to the Swine Facility/ Visit to the Companion Animal Nutrition Facility**
16:00 -16:30	Coffee break (Unesp Jaboticabal Gymnasium)
18:30 -20:00	**Ceremony of the 40th anniversary of the Graduate Program in Animal Science**

SYMPOSIUM ON SCIENTIFIC ADVANCES IN RUMINANTS (**R**) AND FORAGE (F) - Gymnasium of Unesp Jaboticabal

June 8th, 2016		
8:00 -12:30		**General Symposium** (Unesp Jaboticabal Gymnasium)
12:30 -14:00		Lunch break
14:00 -15:00	**R**	**Predicting post-absorptive protein and amino acid metabolism.** Dr. Mark Hannigan. *Virginia Tech, USA*
15:00 -16:00	**R**	**New approaches, development and improvement of methodologies for the assessment of B-vitamin requirements in dairy cow.** Dra. Christiane Girard. *Agriculture and Agri-Food Canada, Canada*
16:00 -16:30		Coffee break
16:30 -17:30	**F**	**Tree legumes: an underexploited resource in warm-climate silvopastures.** Dr. José Carlos Batista Dubeux. *University of Florida, USA*
17:30 -18:30	**F**	**Integration of pastoral component in agricultural systems.** Dr. Paulo César de Faccio Carvalho. *Universidade Federal do Rio Grande do Sul, Brasil*
20:00 -24:00		Pizza Party
June 9th, 2016		
8:30 -9:30	**F**	**Carbon Sequestration and Greenhouse Gas Emissions in agroforestry/silvopasture Systems.** Dr. Alan Franzluebbers. *Agricultural Research Service, USDA, USA*
9:30 -10:30	**F**	**Predicting ruminal methane inhibition by condensed tannins.** Dr. Harley Naumann. *University of Missouri, USA*
10:30 -11:00	F	Coffee break
11:00 -11:15	**F**	**Environmental assessment of 'Boi 7-7-7' beef cattle production protocol: greenhouse emissions**. Abmael da Silva Cardoso*, Vanessa Zirondi Longhini, Liziane de Figueiredo Brito, Estella Rosseto Janusckiewicz, Tiago da Silva Nascimento, Ricardo Andrade Reis, and Ana Cláudia Ruggieri. *UNESP, Jaboticabal, Brazil*
11:15 -11:30	**F**	***Lactobacillus plantarum*** **impairs the fermentation of sugarcane silage: a meta-analytical study**. Carlos H. S. Rabelo*[,1], Carla J. Härter[1], Carla L. S. Ávila[2], and Ricardo A. Reis[1]. *[1]UNESP, Jaboticabal, Brazil; [2]UFLA, Brazil.*
11:30 -11:45	**F**	**The influence of shading on Massai grass availability in a silvopastoral system**. Flávia O. S. van Cleef*, Tiago S. Nascimento, Paola P. Spasiani, Estella R. Janusckiewicz, Liziane F. Brito, Vanessa Z. Longhini, Eric H. C. B. van Cleef, and Ana Cláudia Ruggieri. *UNESP, Jaboticabal, Brazil.*
11:45 -12:00	**F**	**Defoliation strategy in mixed pastures of Marandu and Calopo**. Iury Augusto de Freitas Cruvinel, Igor Machado Ferreira, Fernanda Pereira, Bruno Grossi Costa Homem*, Michael David Batista Luaemar de Oliveira, Luis Alberto Depablos Alviarez, Daniel Rume Casagrande, and Márcio André Stefanelli Lara. *UFLA, Brazil*
11:00 -12:00		**Poster presentation of scientific papers**
12:00 -12:30		**Genotyping tools for the latest advances in animal science.** Ms. Fernando Nodari. *Affymetrix, Brazil* (Unesp Jaboticabal Gymnasium)
12:30 -14:00		Lunch break
14:00 -15:00	**R**	**How might dairy science progress during the next forty years: My Best Guess?** Dr. William Weiss. *Ohio State University, USA*
15:00 -16:00	**R**	**How science will progress in animal nutrition (focus on beef cattle) the next 40 years?** Dr. Luis Orlindo Tedeschi. *Texas A&M University, USA*
16:00 -16:30		Coffee break
16:30 -17:30	**R**	**New approaches and development and improvement of methodologies for the assessment of fatty acid nutrition in ruminants.** Dr. Kevin J. Harvatine. *Penn State University, USA*
17:30 -18:30		**Poster presentation of scientific papers**
20:00 -01:00		Gala Dinner
June 10th, 2016		
8:30 -9:30	**R**	**Alterations in gene expression that affect lean tissue accretion and meat quality in food producing animals.** Dr. Brad Johnson. *Texas Tech, USA*
9:30 -10:30	**R**	**Nutritional requirements and responses of ruminant in harsh conditions.** Dr. Daniel Sauvant. *AgroParisTech, France*
10:30 -11:00		Coffee break
11:00 -11:15	**R**	**Energy requirement for maintenance is affected by sex in dairy goats.** Anaiane P. Souza*[1], Normand R. St-Pierre[2], Márcia H. R. M. Fernandes[1], Amélia K. Almeida[1], Julián A. C. Vargas[1], and Izabelle A. M. A. Teixeira[1]. *[1]UNESP, Jaboticabal, Brazil; [2]The Ohio State University, USA.*
11:15 -11:30	**R**	**Effects of concentrate type and chromium propionate supplementation on insulin resistance parameters, milk production, and reproductive outcomes in lactating dairy cows consuming excessive energy.** Tiago Leiva[1], Reinaldo F. Cooke[2], Alice P. Brandão[1*], Silvia M. B. Rodrigues[1], Umberto Pardelli[1], José P. Rinaldi[1], Miguel F. Miranda[1], and José L. M. Vasconcelos[1]. *[1]UNESP - FMVZ, Brazil; [2]Oregon State University, USA*
11:30 -11:45	**R**	**Performance and carcass traits of young Nellore bulls from different residual feed intake classes.** Heloisa A. Fidelis[1], Luís O. Tedeschi[2], Sarah F. M. Bonilha*[1], Renata H. Branco[1], Maria Eugênia Z. Mercadante[1], and Joslaine N. S. G. Cyrillo[1]. *[1]Intituto de Zootecnia, CAPTA Bovinos de Corte, Brazil; [2]Texas A&M University,USA.*
11:45 -12:00	**R**	**Value verification isotopic from cheese made with dairy cows milk fed with poultry litter.** Antonio Marcos Silvestre[1], Cyntia L. Martins[1], Carlos Ducatti[2], Juliana C. Denadai[1], Marco Antonio G. Carvalho[1], Mário De Beni Arrigoni[1], and Lucas Domingos F. Miranda*[1]. *[1] FMVZ-UNESP, Brazil; [2] IBB, UNESP, Brazil*
12:00 -14:00		Lunch break
14:00 -15:00	**R**	**Physiological adaptations of ruminants and their potential relevance for production systems**. Dr. Marcus Claus. *University of Zurich, Switzerland*

15:00 -16:00	**F**	**Challenges of beef cattle production from tropical pastures**. Dr. Dennis Poppi. *University of Queensland, Australia*
16:00 -16:30		Coffee break
16:30 -17:30		**Poster presentation of scientific papers**
18:30 -20:00		**Ceremony of the 40th anniversary of the Graduate Program in Animal Science**

SYMPOSIUM ON SCIENTIFIC ADVANCES IN GENETICS AND ANIMAL BREEDING - Convention Center of Unesp Jaboticabal

June 8th, 2016	
8:00 -12:30	**General Symposium** (Unesp Jaboticabal Gymnasium)
12:30 -14:00	Lunch break
14:00 -15:00	**Deriving animal breeding benefit from millions of animals with sequence.** Dr. John Hickey. *The Roslin Institute (University of Edinburgh), Scotland*
15:00 -16:00	**What have we learned analyzing whole-genome sequence data.** Dr. Hans Daetwyler. *La Trobe University, Australia*
16:00 -16:30	Coffee break (Unesp Jaboticabal Gymnasium)
16:30 -16:50	**Genomic evaluation of eye pigmentation, hair coat and breed characterization in Hereford and Braford.** Fernando Antonio Reimann[1], Gabriel Soares Campos[1], Leandro Lunardini Cardoso[1,2], Arione Augusti Boligon[1], and Fernando Flores Cardoso[*1,2]. *[1]UFPel, Brazil; [2]Embrapa Pecuária Sul, Brazil.*
16:50 -17:10	**Economic value for the trait tick count in Brangus cattle.** Marcos J. Yokoo[*1], Michele da R. Scholant Simões[2,1], Vinícius S. Junqueira[3,1], Alessandro P. Minho[1], Cláudia C. G. Gomes[1], Michael D. MacNeil[4], and Fernando F. Cardoso[1]. *[1]Embrapa Pecuária Sul, Brazil; [2]UFPEL, Brazil , [3]UFV, Brazil, [4]Delta G, USA.*
17:10 -17:30	**Genetic heterogeneity of residual variance of yearling weight evaluated under different approaches in Nellore cattle**. Laiza H. S. Iung*[1], Haroldo, H. R. Neves[2], and Roberto Carvalheiro[1]. *[1]UNESP, Jaboticabal, Brazil; [3]GenSys Consultores S/C Ltda, Brazil.*
17:30 -18:30	**Poster presentation of scientific papers** (Unesp Jaboticabal Gymnasium)
20:00 -24:00	Pizza Party
June 9th, 2016	
8:30 -9:30	**Genetics of social interactions in livestock**, Dr. Piter Bijma. *Wageningen University, The Netherlands*
9:30 -10:30	**Unravelling genotype-by-environment interactions: modelling genetic variation in macro- and micro-environmental sensitivity**. Dr. Herman Mulder. *Wageningen University, The Netherlands*
10:30 -11:00	Coffee break (Unesp Jaboticabal Gymnasium)
11:00 -12:00	**Poster presentation of scientific papers** (Unesp Jaboticabal Gymnasium)
12:00 -12:30	**Genotyping tools for the latest advances in animal science.** Ms. Fernando Nodari. *Affymetrix, Brazil* (Unesp Jaboticabal Gymnasium)
12:30 -14:00	Lunch break
14:00 -15:00	**Nellore genomic research project: results and perspectives.** Dr. Roberto Carvalheiro & Dr. Lucia Galvão Albuquerque. *Unesp Jaboticabal, Brazil*
15:00 -16:00	**Future directions in breeding for disease resistance in aquaculture species.** Dr. Ross Houston. *The Roslin Institute and Royal School of Veterinary Studies, United Kingdom*
16:00 -16:30	Coffee break (Unesp Jaboticabal Gymnasium)
16:30 -16:50	**GWAS analyses reveal MHC genes associated with a reproductive trait in Nellore cattle.** Thaise P. Melo[*1], Gregório M. F. Camargo[2], Lucia G. Albuquerque[1], and Roberto Carvalheiro[1]. *[1]UNESP, Jaboticabal, Brazil; [2]UTFPR, Brazil.*
16:50 -17:10	**Olfactory Receptor Genes Associated to Precocious Puberty in Nellore Heifers.** Andre M. F. Ribeiro[*1], Donicer E. Montes[1,2], Ligia Cavani[1], Marina M. Dias[1], Cherlynn D. S. Arce[1], Lucia G. Albuquerque[1] , Rogério A. Curi[3], and Henrique Nunes de Oliveira[1]. *[1]UNESP, Jaboticabal, Brazil; [2] Universidad de Sucre-Colombia, [3]FMVZ-UNESP, Brazil*
17:10 -17:30	**Exploring runs of homozygosity patterns in Gyr cattle.** Elisa Peripolli[*1,4], Rafael L. Tonussi[1], Danísio P. Munari[1], Rui da S. Verneque[2], João Cláudio do C. Panetto[2], Marco A. Machado[2], Marcos V. G. B. da Silva[2], and Fernando Baldi[1]. *[1]UNESP, Jaboticabal, Brazil, [2]Embrapa Gado de Leite, Brazil*
20:00 -01:00	Gala Dinner
June 10th, 2016	
8:30 -9:30	**Genomic Dissection of Inbreeding Depression: a gate to new opportunities.** Dr.Ino Curik. *University of Zagreb, Croatia*
9:30 -10:30	**Gene network inference applied to beef cattle breeding and genetics.** Dr. Antonio Reverter. *CSIRO Agriculture, Queensland Bioscience Precinct, Australia*
10:30 -11:00	Coffee break (Unesp Jaboticabal Gymnasium)
11:00 -11:20	**Genetic association between temperament and heifer rebreeding in Nellore cattle.** Tiago da Silva Valente[*], Oscar David Albito Balcázar, Fernando Baldi, and Mateus J. R. Paranhos da Costa. *UNESP, Jaboticabal, Brazil*
11:20 -11:40	**Single nucleotide polymorphism in BuLA-DQB gene influencing milk yield and composition traits in Murrah buffaloes.** Nedenia Bonvino Stafuzza[*], Naudin Alejandro Hurtado-Lugo, Natalia Vinhal Grupioni, Ana Claudia de Freitas, Luara Afonso de Freitas, Humberto Tonhati, and Danísio Prado Munari. *UNESP, Jaboticabal, Brazil*
11:40 -12:00	**Transcriptome analysis of muscular tissue in Nelore cattle divergent for meat tenderness.** Larissa Fernanda Simielli Fonseca[*1], Daniele Fernanda Jovino Gimenez[1], Danielly Beraldo dos Santos Silva[1], Roger Barthelson[2], Jesus Aparecido Ferro[1], Fernando Baldi[1], and Lucia Galvão de Albuquerque[1]. *[1]UNESP, Jaboticabal, Brazil; [2]CyVerse, University of Arizona, USA*
12:00 -14:00	Lunch break
18:30 -20:00	**Ceremony of the 40th anniversary of the Graduate Program in Animal Science**

SYMPOSIUM ON PHYSIOLOGICAL SYSTEMS IN BIRDS AND MAMMALS (**P**), AND BIOMETEOROLOGY, AMBIENCE, AND ANIMAL WELFARE (BW) - Auditorium of Animal Science Department, Unesp Jaboticabal

June 8th, 2016		
8:00 -12:30		**General Symposium** (Unesp Jaboticabal Gymnasium)
12:30-14:00		Lunch break
14-00-15:00	**BW**	**Livestock sustainability and animal welfare.** Dr. Donald M. Broom. *University of Cambridge, United Kingdom*
15:00-16:00	**BW**	**Sustainable silvopastoral cattle systems: integrating animal welfare and the provision of environmental services**. Dr. Francisco Galindo Maldonado. *Facultad de Medicina Veterinaria y Zootecnia, Mexico*
16:00-16:30		Coffee break (Unesp Jaboticabal Gymnasium)
16:30-17:30	**BW**	**Livestock sustainability and global welfare**. Dr. Ariel M. Tarazona Morales. *Universidad Nacional de Colombia, Medellin, Colombia*
17:30-18:30	**BW**	**Animal welfare, sustainability and business models**. Dr. Celso Funcia Lemme. *COPPEAD- UFRJ, Brazil*
June 9th, 2016		
8:30 -9:30	**P**	**Gas exchange in birds.** Dr. William K Milsom. *University of British Columbia, Canada*
9:30-10:30	**P**	**Pathophysiology of Chemoreception in Mammals.** Dr. Jeromy A. Dempsey. *University of Wisconsin, USA*
10:30-11:00		Coffee break (Unesp Jaboticabal Gymnasium)
11:00-11:15	**BW**	**Quality of handling in the corral affects the reactivity of Nellore heifers.** Maria Camila Ceballos[*1], Aline Sant'Anna[1,2], Karen Camille Rocha Góis[1], and Mateus Paranhos da Costa[1]. *[1]UNESP, Jaboticabal, Brasil; [2]UFJF, Brasil.*
11:15-11:30	**BW**	**Influence of housing conditions on behavior and sensible heat flow of goat kids**. Sheila Tavares Nascimento*, Gabriela Genta Fanhati, Claudete Regina Alcalde. *UEM, Brazil*
11:30-11:45	**BW**	**Body`s area and volume: a computational measurement.** Bruno Rodrigo Simão[1] and Alex Sandro Campos Maia[2]. *[1]UFERSA, Brazil; [2]UNESP, Jaboticabal, Brazil.*
11:45-12:00	**P**	**Hypoxic incubation remodeling parabronchial morphology in chicks.** Lara Amaral-Silva**[*1]**, Fernando J. Zara[1], Wilfried Klein[3], Luciane Gargaglioni[1,2], and Kênia C. Bícego[1,2]. *[1]UNESP, Jaboticabal, Brazil; [2]National Institute of Science and Technology in Comparative Physiology; [3]University of Sao Paulo, Brazil*
12:00 -12:30		**Genotyping tools for the latest advances in animal science.** Ms. Fernando Nodari. *Affymetrix, Brazil* (Unesp Jaboticabal Gymnasium)
12:00-14:00		Lunch break
14-00-15:00	**BW**	**Understanding Heat Stress in Beef Cattle.** Dr. Tami Brown –Brandl. *University of Nebraska, USA*
15:00-16:00	**BW**	**Nutritional strategies for intensively managed dairy cows during periods of thermal stress.** Dr Robert Collier. *The University of Arizona, USA*
16:00-16:30		Coffee break (Unesp Jaboticabal Gymnasium)
16:30-17:30	**P**	**Cardio-respiratory development in bird embryos: new insights from a venerable animal model.** Dr Warren Burggren. *University of North Texas, USA*
17:30-18:30	**P**	**Measures inflammation and metabolism in Ruminants during periods of high heat load**. Dr.Gene Wiljffels. *CSIRO, Australia*
20:00 -24:00		Pizza Party
June 10th, 2016		
8:30 -9:30	**P**	**Interaction between thermoregulation and osmoregulation in domestic mammals.** Dr. Michael McKinley. *Florey Institute of Neuroscience and Mental Health, Australia*
9:30-10:30	**P**	**Climate change and thermoregulation of big mammals in the field**, Dr. Duncan Mitchell. *University of the Witwatersrand, South Africa*
10:30-11:00		Coffee break (Unesp Jaboticabal Gymnasium)
11:00-12:00		**Poster presentation of scientific papers**
12:00-14:00		Lunch break
14-00-16:00		**Visit to the Biometeorology Laboratory/Visit to the Physiology Laboratory**
16:00-16:30		Coffee break (Unesp Jaboticabal Gymnasium)
16:30-18:00		**Visit to the Biometeorology Laboratory/Visit to the Physiology Laboratory**
18:30 -20:00		**Ceremony of the 40th anniversary of the Graduate Program in Animal Science**

POSTERS PRESENTATIONS

Wednesday, June 8 session I (17:30 - 18:30)

Genetics and Animal Breeding

1. **Assessment of Kleiber ratio on estimation of genetic parameters of weight traits of Brahman cattle.** Matos Manuel[1], Ligia Cavani*[2], Thamilis J. Menezes[1], Camila R. S. Tino[1], and Ricardo da Fonseca[1]. *[1]FCAT-UNESP, Dracena, SP, Brazil, [2]FCAV-UNESP, Jaboticabal, SP, Brazil.*

2. **Global muscle gene expression differences in Nelore cattle extremes for meat lipid content.** Danielly Beraldo dos Santos Silva*[1], Larissa Fernanda Simielli Fonseca[1,2], Daniele Fernanda Jovino Gimenez[1], Jesus Aparecido Ferro[1,2], Fernando Baldi[1,2], and Lucia Galvão de Albuquerque[1,2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]CNPq, Brasilia, DF, Brazil.*

3. **Reaction norm model to estimate genetic correlation between growth and reproductive performance of Nelore females depending on environment.** Mário L. Santana Jr*[1], Joanir P. Eler[2], Annaiza B. Bignardi[1], Arione A. Boligon[3], and José B. S. Ferraz[2]. *[1]Grupo de Melhoramento Animal de Mato Grosso (GMAT), UFMT-Rondonópolis, MT, Brazil, [2]Grupo de Melhoramento Animal e Biotecnologia (GMAB), FZEA-USP, Pirassununga, SP, Brazil, [3]UFPEL, Pelotas, RS, Brazil.*

4. **Effect of sire breed on carcass and beef quality of crossbred cattle[1].** Ricardo Favero[2], Gelson L. D. Feijó[3], Marina N. Bonin[4], Gilberto R. O. Menezes*[3], Rodrigo C. Gomes[3], Roberto A. A. Torres Júnior[3], Lucy M. A. Surita[5], Ivone Y. Mizubuti[2]. *[1]Research granted by Embrapa, CNPq and Fundect,[2]UEL, Londrina, PR, Brazil, [3]CNPGC, Campo Grande, MS, Brazil, [4]UFMS, Campo Grande, MS, Brazil, [5]UEMS, Aquidauana, MS, Brazil.*

5. **Accuracy of prediction using Reproducing Kernel Hilbert Spaces regression for carcass growth traits in Nellore cattle.** Rafael Espigolan*[1], Daniel G.M. Gordo[1], Rafael L. Tonussi[1], Gerardo A.F. Júnior[1], William B.F. Andrade[1], Luis A.L. Chardulo[1,2], Fernando Baldi[1,2], Lucia G. Albuquerque[1,2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]CNPq*

6. **Breeding objectives and economic values in two different beef cattle production systems.** Gisele M. Fernandes*[1], Heverton L. Moreira[1], Vanerlei M. Roso[2], Lenira El Faro[3], Claudia Cristina P. de Paz[1,3] . *[1]FMRP-USP, Ribeirão Preto, SP, Brazil, [2]Gensys, Porto Alegre, RS, [3]IZ-APTA, Sertãozinho, SP, Brazil.*

7. **Identification of dairy and beef lines of Guzerat bulls using cluster analysis.** Manuela P. M. da Gama*[1], Gabriela G. Mendonça[2], Daniele B. Aquaroli[3], Henrique T. Ventura[4], Mariana A. Pereira[4], Lenira E. F. Zadra[3] and Claudia C. P. de Paz[1,3]. *[1]Departamento de Genética, FMRP-USP, Ribeirão Preto, SP, Brasil, [2]Departamento de Nutrição e Produção Animal, FMVZ-USP, Pirassununga, SP, Brasil,[3]Centro APTA Bovinos de Corte, Instituto de Zootecnia (IZ), Sertãozinho, SP, Brasil. [4]Associação Brasileira de Criadores de Zebu – ABCZ, Uberaba, MG, Brasil.*

8. **Genetic, phenotypic and environmental parameters for behavioral characteristics of Nellore cattle.** Anielly de Paula Freitas[1*], Maria Lúcia Pereira Lima[1], Bianca Vilela Pires[1], Flávia Fernanda Simili[1], Claudia Cristina Paro de Paz[1,2]. *[1] Instituto de Zootecnia, IZ/APTA, Centro APTA Bovinos de Corte, Sertãozinho, SP, Brazil, [2] Faculdade de Medicina de Ribeirão Preto, FMRP/USP, Ribeirão Preto, SP, Brazil.*

9. **Application of single step GBLUP method under different uncertain paternity scenarios.** Rafael Lara Tonussi*[1], Rafael Medeiros Oliveira da Silva[1], Ana Fabrícia Braga Magalhães[1], Hermenegildo Lucas Justino Chiaia[1], Marcos Vinícius Antunes de Lemos, Mariana Piatto Berton[1], Ignacio Aguilar[2] and Fernando Baldi[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]INIA, Las Brujas, Uruguay*

10. **Relationships between residual intake and gain, performance, feeding behavior and body measures in Brahman young bulls.** Ricardo Favero[1], Rodrigo C. Gomes[2], Gilberto R. O. Menezes*[2], Ivone Y. Mizubuti[1]. *[1]Universidade Estadual de Londrina, UEL, Londrina, PR, Brazil; [2] Embrapa Gado de Corte, CNPGC, Campo Grande, MS, Brazil.*

11. **Performance, feeding behavior and body measures of Brahman cattle classified according to the residual feed intake.** Ricardo Favero[1], Rodrigo C. Gomes[2], Gilberto R. O. Menezes*[2], Ivone Y. Mizubuti[1]. *[1]Universidade Estadual de Londrina, UEL, Londrina, PR, Brazil; [2] Embrapa Gado de Corte, CNPGC, Campo Grande, MS, Brazil.*

12. **Effect of sire breed on carcass traits measured via ultrasound of crossbred cattle during feedlot.** Ricardo Favero[1], Gelson L. D. Feijó[2], Marina N. Bonin[3], Rodrigo C. Gomes[2], Gilberto R. O. Menezes*[2], Roberto A. A. Torres Júnior[2], Lucy M. A. Surita[4], Ivone Y. Mizubuti[1]. *[1]Universidade Estadual de Londrina, UEL, Londrina, PR, Brazil, [2]Embrapa Gado de Corte, CNPGC, Campo Grande, MS, Brazil, [3]Universidade Federal de Mato Grosso do Sul, UFMS, Campo Grande, MS, Brazil, [4]Universidade Estadual de Mato Grosso do Sul, UEMS, Aquidauana, MS, Brazil.*

13. **Effect of sire breed on performance and feed efficiency in feedlot of crossbred cattle[1].** Ricardo Favero[2], Georg Altrak[3], Gilberto R. O. Menezes*[4], Rodrigo C. Gomes[4], Roberto A. A. Torres Júnior[4], Gabriel M. Pereira[5], Ricardo Kazama[3], Ivone Y. Mizubuti[2]. *[1]Research granted by Embrapa, CNPq and Fundect,[2]UEL, Londrina, PR, Brazil, [3]UFSC, Florianópolis, SC, Brazil, [4]CNPGC, Campo Grande, MS, Brazil, [5]UCDB, Campo Grande, MS, Brazil.*

14. **Visual score for finishing precocity affects the profitability of beef cattle.** Henrique José Urzedo Costa*[1], Rodrigo Martins[2], Marcelo Almeida de Oliveira[3], Roberto Carvalheiro[1,4]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil,[2]Fazenda Boa Esperança, Barbosa, SP, Brazil, [3]PRO Produção Profissional, São José do Rio Preto, SP, Brazil,[4]CNPq Researcher, *henrique_costa_@hotmail.com*

15. **Quantitative genetic analysis of morphological and functional traits in Nelore cattle.** Giovana Vargas*[1], Haroldo H. R. Neves[2] and Roberto Carvalheiro[1,3]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]GenSys Associated Consultants, Porto Alegre, RS, Brazil, [3]CNPq researcher.*

16. **Influence of fixed time artificial insemination in genetic values of economical traits for beef cattle.** Camilla S. Nogueira[1*], Amanda M. Maiorano[1], Luiz Eduardo C. S. Correia[1], Ricardo António S. Faria[1], Pablo D. Castaño[1], Alejandra M. Toro Ospina[1], Jessica M. Malheiros[1], and Josineudson A. II V. Silva[2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]FMVZ-UNESP, Botucatu, SP, Brazil*

17. **Pathway analysis for carcass traits in Nellore cattle: a preliminary study.** Gerardo A. Fernandes Júnior*[1], Daniel G. M. Gordo[1], Rafael Espigolan[1], Tiago Bresolin[1], Ana Fabrícia B. Magalhães[1], Fernando Baldi[1,3], Luis Artur L. Chardulo[2,3], and Lucia G. Albuquerque[1,3]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]FMVZ-UNESP, Botucatu,SP, Brazil, [3]UCNPq Fellowship.*

18. **Genome wide association study for beef tenderness in Polled Nellore cattle.** Elisa Peripolli[1,3]; Rafael M. de O. Silva[1]; Letícia M. de Castro[2]; Fernando B. Lopes[2]; Claudio de U. Magnabosco[2], and Fernando Baldi[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]Embrapa Cerrados, Planaltina, DF, Brazil, [3]CAPES/EMBRAPA.*
19. **Non-hierarchical cluster analysis for performance and reproductive traits in Guzera beef cattle.** Natalia Vinhal Grupioni[1,2], Luara Afonso de Freitas*[1,3], Nedenia Bonvino Stafuzza[1,2], Luiz Antonio Framartino Bezerra[4], Raysildo Barbosa Lôbo[4,5,6], and Danísio Prado Munari[1,6]. *[1]FCAV-UNESP,*

Jaboticabal, SP, Brazil, [2]Postdoctoral fellowship from CAPES/EMBRAPA, [3]Fellowship from CAPES, [4]FMRP-USP, Ribeirão Preto, São Paulo, Brazil [5]ANCP, Ribeirão Preto, SP, Brazil, [6] Productivity research fellowship from CNPq.

20. **Prediction of beef tenderness by near infrared spectroscopy.** Ana F. B. Magalhães[*1], Gustavo H. de A. Teixeira[1,2], Ana C. H. Rios[1], Lúcio F. M. Mota[1], Willian B. F. de Andrade[1], Henrique N. de Oliveira[1,2], Roberto Carvalheiro[1,2] and Lucia G. de Albuquerque[1,2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2] CNPq, Brasília, DF, Brazil*

21. **A candidate gene analysis to identify QTL and causal variants for meat tenderness in Nelore cattle.** Camila U. Braz[*1], Jeremy F. Taylor[2], Tiago Bresolin[1], Rafael Espigolan[1], Fernando Baldi[1], Lucia G. de Albuquerque[1], Henrique N. de Oliveira[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]University of Missouri, Columbia, MO, EUA*

22. **Effect of different genotypes quality control criteria on genome-wide association studies in Nellore cattle.** Tiago Bresolin[1], Daniel Gustavo Mansan Gordo[1], Rafael Espigolan[1], Camila Urbano Braz[1], Gabriela Bonfá Frezarim[1], Guilherme Fonseca Carneiro Leão[1], Tainara Aline Santos Beserra[1] and Lucia Galvão de Albuquerque[1,2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil. [2]CNPq, Brasília, DF*

23. **Genome-wide association between single nucleotide polymorphisms with beef fatty acid profile in Nellore cattle using the Bayes Cπ method.** Bianca Ferreira Olivieri[*1], Hermenegildo Lucas Justino Chiaia[1], Fabieli Loise Braga Feitosa[1], Elisa Peripolli[1], Lucia Galvão de Albuquerque[1], Angelica Pereira[2], and Fernando Baldi[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil; [2]FMVZ-USP, Pirassununga, SP, Brazil*

24. **Differentially expressed genes in genetically divergent Nelore steers for selenium content in *Longissimus dorsi* muscle.** Juliana Afonso*[1], Polyana C Tizioto[2], Priscila SN de Oliveira[2], Wellison J da S Diniz[1], Andressa O de Lima[1], Juliana V da Silva[1], Caio F. Gromboni[3], Gerson B Mourão[4], Ana R A Nogueira[2], Luiz L. Coutinho[4], Luciana C de A Regitano[2]. *[1]Department of Genetics and Evolution, Federal University of São Carlos, São Carlos, SP, Brazil, [2]Embrapa Pecuaria Sudeste, São Carlos, SP, Brazil, [3]Federal Institute of Education, Bahia Science and Technology, Valença, BA, Brazil, [4]Department of Animal Science, University of São Paulo, Piracicaba, SP, Brazil*

25. **Association analyses pointed the *TIPARP* as a potential candidate gene influencing residual feed intake variation in Nelore cattle.** Andressa O de Lima[1], Priscila SN de Oliveira[2], Polyana C Tizioto[2], Juliana Afonso*[1], Adriana L. Somavilla[3], Wellison J da S Diniz[1], Juliana V da Silva[1], Marina IP Rocha[1], Maurício A Mudadu[4], Luiz L Coutinho[5], Luciana C de A Regitano[2]. *[1]Department of Genetics and Evolution, Federal University of São Carlos, São Carlos, SP, Brazil, [2]Embrapa Pecuaria Sudeste, São Carlos, SP, Brazil, [3]The Roslin Institute, Edinburgh, United Kingdom,[4]Embrapa Agriculture Informatics, Campinas, SP, Brazil,[5]Department of Animal Science, University of São Paulo, Piracicaba, SP, Brazil,*

26. **Differentially expressed genes in *Longissimus dorsi* muscle of Nelore steers divergent for average daily gain.** Juliana V da Silva[1], Polyana C Tizioto[2], Priscila SN de Oliveira[2], Juliana Afonso*[1], Wellison J da S Diniz[1], Andressa O de Lima[1], Marcela M de Souza[1], Marina IP Rocha[1], Carlos E. Buss[1], Luiz L. Coutinho[3], Luciana C de A Regitano[2]. *[1]Department of Genetics and Evolution, Federal University of São Carlos, São Carlos, SP, Brazil, [2]Embrapa Pecuária Sudeste, São Carlos, SP, Brazil, [3]Department of Animal Science, University of São Paulo, Piracicaba, SP, Brazil*

27. **Genomic regions and metabolic pathways associated with carcass yield in Nellore cattle using the single step procedure.** Fabieli Loise Braga Feitosa[*1], Bianca Ferreira Olivieri[1], Fernando Brito Lopes[2], Angélica Simone Cravo Pereira[3], Letícia Mendes Castro[2], Claudio de Ulhoa Magnabosco[2] and Fernando Baldi[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil ,[2]EMBRAPA Cerrados, Planaltina, DF, Brazil, [3]FMVZ-USP, Pirassununga, SP, Brazil*

28. **Runs of homozygosity in Nellore Cattle.** Ana C. H. Rios[1], Gerardo A. Fernandes Júnior[1], Lucio F.M. Macedo[1], Danielly B.S. Silva[1], Ana F.B. Magalhães[1], Roberto Carvalheiro[1], Fernando Baldi [1,2], and Lucia G. Albuquerque[1,2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil,[2] CNPq, Brasilia, DF, Brazil.*

29. **Network pathway of differential expression muscle protein in Nelore cattle classified to low and higher RFI.** Lucio F. M. Mota[*1], Erika Toriyama[2], Pâmela A. Alexandre[3], Heidge Fukumasu[3], Edvaldo Barros[4] and Cristina M. Bonafé[5]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]UFF,Niteroi, RJ, Brazil, [3]USP, Pirassununga, SP, Brazil, [4]UFV, Viçosa, MG, Brazil, [5]UFVJM, Diamantina, MG, Brazil.*

30. **Genetic analysis for scrotal circumference in Canchim beef cattle.** Maurício Gatti[*1,2], Tatiane C. S. Chud[1,3], Marcos E. Buzanskas[1,3], Maurício M. Alencar[4], Patrícia Tholon[4], and Danísio P. Munari[1,5]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil,[2]Fellowship from 'Programa de Educação Tutorial' (PET) from 'Curso de Zootecnia',[3]Fapesp fellow (n.2015/08939-0 and n.2013/19335-2), [4]Embrapa Southeast Livestock, São Carlos, SP, Brazil, [5]CNPq fellow.*

31. **Estimation of genetic parameters for growth evaluation of the Nelore cattle raised in Brazilian north region using random regression models.** Diego H. Cavalcante[*1], José E. G. Campelo[1], José L. R. Sarmento[1], Wéverton J. L. Fonseca[1], Cicero P. Barros Junior[1], Amauri F. Evangelista[1], Severino C. Sousa Junior[1] and Marcelo R. A. Oliveira[1]. *[1]UFPI, Teresina, PI, Brazil.*

32. **Identification and quantification of calpain complex and its relation to the quality meat in Nellore cattle.** Victor Augusto Domingos Dias[*1], Jessica Moraes Malheiros[1], Cruz Elena Enríquez Valencia[1], Ivan José Vechetti-Junior[3], Bruno Oliveira da Silva Duran[3], Maeli Dal Pai Silva[3], Luis Artur Loyola Chardulo[2], and Henrique Nunes de Oliveira[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]FMVZ-UNESP, Botucatu, SP, Brazil, [3]IBB-UNESP, Botucatu, SP, Brazil.*

33. **Principal genetic components analysis for carcass and meat quality traits in Nellore cattle.** Lucas H. B. Sales[1], Daniel G. M. Gordo[1], Lucio F. M. Macedo[1], Ana F. B. Magalhães[1], *G. A. Fernandes Júnior[1], R. Espigolan[1], Roberto Carvalheiro[1,2], Fernando Baldi[1,2], Luis A. L Chardulo[1,2],* Lucia G. Albuquerque[1,2]. *[1]Departamento de Zootecnia, Faculdade de Ciências Agrárias e Veterinárias, Universidade Estadual Paulista,Jaboticabal, SP CEP14884-900, Brazil.[2] CNPq, Brasília, DF, Brazil*

34. **Selection criteria for sexual precocity and growth traits in Nelore bulls.** Bárbara Mazetti Nascimento[*1], Laila Talarico Dias[2], Rodrigo de Almeida Teixeira[2]. *[1]PPGZ – UFPR, Curitiba, PR, Brazil, [2]DZ-UFPR, Curitiba, PR, Brazil.*

35. **Heritability of scrotal circumference unadjusted and adjusted in Hereford bulls[1].** Lorena Carla Gomes Vernaschi[2], Bárbara Mazetti Nascimento*[3], Laila Talarico Dias[4], Rodrigo de Almeida Teixeira[4]. *1Part of scientific initiation of the first author, 2Undergraduate student in Animal Science, UFPR, Curitiba, PR, Brazil,3Master's degree in Animal Science, UFPR, Curitiba, PR, Brazil, 4Professor, Animal Science department, UFPR, Curitiba, PR, Brazil.*

36. **Prospection of Genes On Signatures of Selection Associated to Reproductive Features in Nellore Heifers.** Andre M. F. Ribeiro[*1], Donicer E. Montes[1,2], Ligia Cavani[1], Marina M. Dias[1], Cherlynn D. S. Arce[1], Lucia G. Albuquerque[1], Rogério A. Curi[3] and Henrique N. de Oliveira[1].*[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2] Universidad de Sucre, Sincelejo, Sucre, Colombia, [3] FMVZ-UNESP, Botucatu, SP, Brazil.*

37. **Genetic divergence between the Tabapuã bulls in two regions of Bahia.** Bruna Pereira [*1,4], Camila Tino[2], Talita Barcelos[1], Júlio César de Souza[3], Paulo Ferraz Filho[1]. *[1]UFMS, Três Lagoas, MS , Brazil, [2]FACT - UNESP, Dracena,SP, Brazil [3]UFMS,Paranaíba,MS, Brazil*

38. **Phenotypic correlations between longevity measures and age at first calving of dairy Zebu cattle.** Diana Carla F. Oliveira*[1], Frank A. T. Bruneli[2], Cláudio N. Costa[2], Maria Gabriela C.D. Peixoto[2], Glaucyana G. Santos[2], Aníbal E. Vercesi Filho[3], Lenira El Faro[4] and Cristina M. Bonafé[5]. *1Mestranda pela UFVJM, Diamantina, MG, Brazil, 2Pesquisador(a) Embrapa Gado de Leite, Juiz de Fora, MG, Brazil, 3Instituto de Zootecnia (IZ), Nova Odessa, SP, Brazil,4Instituto de Zootecnia (IZ), Sertãozinho, SP, Brazil 5Departamento de Zootecnia, UFVJM, Diamantina, MG, Brazil.*

39. **Factors study associated with longevity of dairy Zebu cows.** Diana Carla F. Oliveira*[1], Frank A. T. Bruneli[2], Cláudio N. Costa[2], Maria Gabriela C. Peixoto[2], Glaucyana G. Santos[2], Aníbal E. Vercesi Filho[3], Lenira El Faro[4] and Cristina M. Bonafé[5]. *1Mestranda pela UFVJM, Diamantina, MG, Brazil, 2Pesquisador(a) Embrapa Gado de Leite, Juiz de Fora, MG, Brazil, 3Instituto de Zootecnia(IZ), Sertãozinho, SP, Brazil, 4Instituto de Zootecnia(IZ), Sertãozinho, SP, Brazil, 5Departamento de Zootecnia,UFVJM, Diamantina, MG, Brazil.*

40. **Genetic correlation among linear type traits and milk production in the first lactation and accumulated production in Holstein cows of Paraná state.** Álida Mariana dos Reis Buzzo*[1], Altair Antonio Valloto[1], Gisele Ferreira da Silva[1], Laila Talarico Dias[1], and Rodrigo de Almeida Teixeira[1]. *[1]UFPR, Curitiba, PR, Brazil.*

41. **Heritability coefficients for linear type traits and first and cumulative lactation production in Holstein cows from Paraná state.** Álida Mariana dos Reis Buzzo*[1], Altair Antonio Valloto[1], Gisele Ferreira da Silva[1], Laila Talarico Dias[1] and Rodrigo de Almeida Teixeira[1]. *[1]UFPR, Curitiba, PR, Brazil.*

42. **Principal components analysis for productive and reproductive traits of Holstein cattle.** Pablo D. Castaño[1], Lairana A. Sardinha*[2], Amanda M. Maiorano[1], Guilherme C. Venturini[2], Camilla S. Nogueira[1], Alejandra M. Toro Ospina[1], Lenira El Faro[3] and Josineudson A. II V. Silva[2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]FMVZ-UNESP, Botucatu, SP, Brazil, [3]Instituto de Zootecnia, Centro de Pesquisa Bovinos de Corte, Sertãozinho, SP, Brazil.*

43. **Multivariate factor analysis of reproductive and productive traits in Holstein cattle.** Pablo D. Castaño[1], Luiz Eduardo C. S. Correia *[1], Amanda M. Maiorano [1], Ricardo António S. Faria[1], Guilherme C. Venturini[2], Rogério A. Curi[2], Lenira El Faro[3] and Josineudson A. II V. Silva[2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]FMVZ-UNESP, Botucatu, SP, Brazil, [3]Instituto de Zootecnia, Centro de Pesquisa Bovinos de Corte, Sertãozinho, SP, Brazil.*

44. **Interactions between single nucleotide polymorphisms (SNPs) associated with milk yield, fat and protein percentage in a Holstein cattle population.** Laiza H. S. Iung*[1], Juliana Petrini[2], Luke M. Kramer[3], Paulo F. Machado[3], Luiz L. Coutinho[2], and Gerson B. Mourão[2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]ESALQ-USP, Piracicaba, SP, Brazil, [3]Iowa State University, Ames, IA, USA.*

45. **Genetic associations between milk production, mastitis and stayability of Holstein cows.** Gabriela Stefani*[1,2], Lenira El Faro[3], Mário Luiz Santana Júnior[4] and Humberto Tonhati[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]CRV Lagoa, Sertãozinho, SP, Brazil, [3]IZ, Sertãozinho, SP, Brazil, [4]UFMT, Rondonópolis, MT, Brazil,.*

46. **Glucose metabolism and gene expression in the liver during transition period of Holstein and F1 Holstein-Gir cows.** Juliana G. Laguna*[1], Juliana A. Lima[1], Mariana S. Cardoso[2], Helton M. Saturnino[1], Ronaldo B. Reis[1], and Santuza M. Ribeiro Teixeira[2]. *[1]EV-UFMG, [2]ICB-UFMG, Belo Horizonte, MG, Brazil*

47. **Fatty acid metabolism and gene expression in the liver during transition period of Holstein and F1 Holstein-Gir cows.** Juliana G. Laguna*[1], Mariana S. Cardoso[2], Juliana A. Lima[1], Helton M. Saturnino[1], Ronaldo B. Reis[1], and Santuza M. Ribeiro Teixeira[2]. *[1]EV-UFMG, [2]ICB-UFMG, Belo Horizonte, BH, Brazil*

48. **Parameters of probability of gene origin of Gir herd.** Alejandra M. Toro Ospina[1*], Amanda M. Maiorano[1], Ricardo A. S. Faria[1], Cruz E. Enriquez[1], Joslaine N. S. G. Cyrillo[3], , Ana Beatriz M. Gomes[2], Rogerio Curi[2] and Josineudson Augusto II V. Silva[2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]FMVZ-UNESP, Botucatu, SP, Brazil, [3]CAPTA Bovinos de Corte, IZ, Sertãozinho, SP, Brazil.*

49. **Genetic parameter estimates for milk yield and milk fat content in Gyr cows.** Mariana Alencar Pereira*[1,3], Henrique Torres Ventura[1], Edson Vinícius Costa[1], Lenira El Faro[2,4], Luiz Antônio Josahkian[1] and Lucia Galvão de Albuquerque[3,4]. *[1]Associação Brasileira dos Criadores de Zebu, Uberaba, MG, Brazil;[2] Instituto de Zootecnia, Sertãozinho, SP, Brazil; [3]Universidade Estadual Paulista Júlio de Mesquita Filho-UNESP/FCAV, Jaboticabal, SP, Brazil; [4]CNPq, Brasília, DF, Brazil.*

50. **Inbreeding estimates using two different approaches in Gyr cattle.** Elisa Peripolli*[1,3], Bianca F. Olivieri[1], Fabiele L. B. Feitosa[1], Marcos V. A. de Lemos[1], Mariana P. Berton[1], Danísio P. Munari[1], Marcos V. G. B. da Silva[2], and Fernando Baldi[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]Embrapa Gado de Leite, Juiz de Fora, MG, Brazil, [3]CAPES/EMBRAPA.*

51. **Characterization of single nucleotide polymorphism in the promoter region of the lactoferrin gene in Gir cows.** Nedenia Bonvino Stafuzza[1,2], Luiza Rocha Mangucci[3,4], Gabriela Geraldi Mendonça[3,5], Luara Afonso de Freitas*[1,2], André Rabello Fernandes[6], João Alberto Negão[7], Aníbal Eugênio Vercesi Filho[3], and Lenira El Faro[3]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]Fellowship from CAPES, [3]IZ-APTA, Sertãozinho, SP, Brazil,[4]Fellowship from CNPq,[5]Fellowship from FAPESP, [6]ABCGIL, Uberaba, MG, Brazil, [7]FZEA-USP, Pirassununga, SP, Brazil.*

52. **Genetic association study of polymorphisms in the DQB gene with protein and fat percentages in buffalo milk.** Nedenia Bonvino Stafuzza[1,2], Naudin Alejandro Hurtado-Lugo[1,3], Natalia Vinhal Grupioni[1,4], Fernanda Tanamati*[1,5], Ana Claudia de Freitas[1,2], Humberto Tonhati[1,6], and Danísio Prado Munari[1,6]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]Fellowship from CAPES, [3]Fellowship from CNPq. [4]Fellowship from CAPES/EMBRAPA, [5]Fellowhsip from FAPESP (2014/19321-4), [6]Productivity research fellowship from CNPq.*

53. **A genome-wide association study identify single nucleotide polymorphisms associated with milk fat percentage in buffaloes from Brazil.** Nathalia F. Silveira*[1], Nedenia B. Stafuzza[2], Amanda M. Maiorano[1], Lairana A. Sardinha[1], Diercles F. Cardoso[2], Daniel J.A. Santos[2], Humberto Tonhati[2], and Guilherme C. Venturini[1]. *[1]FMVZ-UNESP, Botucatu, SP, Brazil,[2]FCAV-UNESP, Jaboticabal, SP, Brazil*

54. **Identification of single nucleotide polymorphisms associated with somatic cell count in dairy buffaloes.** Lairana A. Sardinha*[1], Nedenia B. Stafuzza[2], Pablo D. Castaño[1], Diercles F. Cardoso[2], Ana C. Freitas[2], Luiz Eduardo C.S. Correia[1], Humberto Tonhati[2], and Guilherme C. Venturini[1]. *[1]FMVZ-UNESP, Botucatu, SP, Brazil,[2]FCAV-UNESP, Jaboticabal, SP, Brazil*

55. **Lactoferrin gene expression in dairy buffaloes affected by mastitis.** Fernanda Tanamati*[1], Aline Aparecida Silva Stella[1], Nedenia Bonvino Stafuzza[1], Daniele Fernanda Jovino Gimenez[1], Larissa Fernanda Simielli Fonseca[1], Camila da Costa Barros[1], Maria Inês Tiraboshi Ferro[1] and Humberto Tonhati[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil*

56. **Lactoperoxidase gene expression in crossbreed buffaloes healthy and with mastitis.** Aline A. S. Stella[1], Fernanda Tanamati[1], Larissa F. S. Fonseca*[1], Daniele F. J. Gimenez[1], Maria I. T. Ferro[1], and Humberto Tonhati[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil*

Thursday, June 9 session I (11:00 - 12:00)

Non-Ruminants

1. **Behavior of feed particles during distribution of broilers' automatic feeders**. Joana Schroeder de Souza[1], Kátia Maria Cardinal[1], Rodrigo Borille[1], Ines Andretta[1], Andréa Machado Leal Ribeiro[1]. *[1]UFRGS – Universidade Federal do Rio Grande do Sul, Porto Alegre, Rio Grande do Sul, Brasil.*

2. **Bioavailability of methionine hydroxy analogue calcium salt compared to DL-methionine for broilers in growth phase.** Fernando Andrés Prado Antayhua*1, Nilva Kazue Sakomura1, Letícia Soares1, Juliano César de Paula Dorigam1, Marcos Jose Batista do Santos1, Warley Junior Alves1, Felipe de Lima Junqueira Franco Fabbri1.*[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

3. **Comparison of the bioavailability of methionine hydroxy analogue in relation to DL-methionine for broilers in the initial phase.** Fabrízia Melo de Medeiros[*1], Nilva Kazue Sakomura[1], Fernando Andrés Prado Antayhua[1], Mirella Cunha Melaré[1], Vinícius Duarte de Oliveira[1], Marcos José Batista dos Santos[1] and Paulo Matsumura Júnior[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

4. **Efficiency of utilization of L-(^{15}N) threonine in broiler tissues and estimation of threonine requirement from 1 to 7 days of age.** Rafael M. Suzuki*[1], Nilva K. Sakomura[1], José A. Bendassolli[2], Juliana C. Denadai[3], Allan R. Troni[1], Daniel C. B. Campos[4], Letícia G. Pacheco[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil [2]ESALQ-USP, Piracicaba, SP, Brazil, [3]FMVZ-UNESP, Botucatu, SP, Brazil [4]UFSCAR, Lagoa do Sino, SP, Brazil.*

5. **Effect of dietary metabolizable energy and amino acid levels on broiler chickens performance receiving wheat and soybean meal diets.** Ariolino M. O. Neto[*1], Diego L. da Silva [1], Leandro M. Silva[1], Mislene Kagueyama[1], Maurílio L. X. Júnior[1], Luiz F. T. Albino[1], Horacio S. Rostagno[1]. *[1]Universidade Federal de Viçosa, Viçosa, MG, Brazil.*

6. **Optimal digestible valine intake for japanese quail in the laying phase.** Karla Nathaly Meza Martinez*[1], Nilva Kazue Sakomura[1], Edney Pereira da Silva[1], Miryelle Freire Sarcinelli[1], Marcos José Batista dos Santos[1], Guilherme Henrrique Silva[1] and Mateus Roberto Pereira[1].*[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

7. **Body constituents retention for broilers at 7 days old according to temperature.** Rodrigo Borille, Carla H. F. Domingues, Gustavo. D. Lovato., Patricia C. Aristimunha, Giovani Farina, Carlos Ongaratto, Bruna Schroeder, Alexandre. M. Kessler. *Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, Brazil. [2]Elanco Saúde Animal, São Paulo, SP, Brazil.*

8. **Body constituents retention for broilers from 7 to 14 days old according to temperature.** Rodrigo Borille, Carla H. F. Domingues, Priscila de O. Moraes, Kátia M. Cardinal, Rafael D. Gianluppi, Marcos S. Ceron, Brenda S. Prato, Alexandre M. Kessler. *Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, Brazil. [2]Elanco Saúde Animal, São Paulo, SP, Brazil.*

9. **Body growth description of male from three broilers strains in hot climates.** Leilane Rocha Barros Dourado[*1], Dáphinne Cardoso Nagib do Nascimento[2], Jefferson Costa de Siqueira[3], Melina da Conceição Macêdo da Silva[2], Arléia Medeiros Maia[1], Kelane Santos do Lago[1], Raian Malta Acácio[1], Geane Andrade Araujo[1].*[1]UFPI, Bom Jesus, PI, Brazil; [2]UFPI, Doutorado Ciência Animal, Teresina, PI, Brazil,[3]UFMA, Chapadinha, MA, Brazil.*

10. **Crude protein influences in the bone mineral density of broilers aged between 7 and 28 days.** Amanda B. Garcia *[1], Camila Gonçalves, Thays C. O. de Quadros[1], Liliana L. Borges, Elaine T. Santos[1], Diana M. C. Castiblanco[1], Diogo L. Goulart[1], Murilo Garavelo and Silvana M. B. Artoni[1].*[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*
11. **Growth curve and body composition of broiler breeder hens.** Raian Malta Acácio[*1], Nilva Kazue Sakomura[1], Nayara Tavares Ferreira[1], Juliano Cesar de Paula Dorigam[1], Mirella Cunha Melaré, Fabrízia Melo de Medeiros and Francisca de Lima Aquino[1]. [1]*FCAV – UNESP, Jaboticabal, SP, Brazil.*

12. **Growth curve for protein content of body and reproductive organs of broiler breeder hens.** Warley Junior Alves*1, Nilva Kazue Sakomura1, Nayara Tavares Ferreira1, Euclides Braga Malheiros1, Raian Malta Acácio1, Camila Angélica Goncalves1, Felipe Galetti Rodrigues. *1FCAV-UNESP, Jaboticabal, SP, Brazil.*

13. **Growth performance of male and female broilers fed three crude protein diet´s from 1 to 14 days of age.** Camila Angelica Gonçalves[*1], Nilva Kazue Sakomura[1], Edney Pereira da Silva[1], Myrielle Freire Sarcinelli[1], Letícia Soares[1], Nayara Tavares Ferreira[1], Larissa Vargas[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

14. **Estimating real-time amino acid requirements in broiler population by sustainable precision farming system: a simulation.** Jaqueline P. Gobi[*1], Luciano Hauschild[1], Dani Perondi[1], Aline Remus[1,2], Luan S. dos Santos[1], Cintia Fracaroli[1], Aline M. Veira[1] and Candido Pomar[3]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]Université Laval, Quebec, QC, Canada, [3]AAFC, Sherbrooke, QC, Canada.*

15. **Modeling the growth of tissues in broiler chickens.** Letícia Graziele Pacheco[*1], Nilva Kazue Sakomura[1] , Rafael Massami Suzuki[1], Juliana Célia Denadai[2], Marcos José Batista dos Santos[1] , Maria Soban Martins Gaspar[1] and Allan Reis Troni[1].*[1]FCAV-UNESP, Jaboticabal, SP, Brazil. [2]FMVZ-UNESP, Botucatu, SP, Brazil.*

16. **Using nonlinear model to estimate the weight increase in laying hens' egg.** Henrique S Nogueira[1*], Nilva K. Sakomura[1], Nelson J. Peruzzi[1], Katiani S. Venturini, Hilda C P Bendezu and Edney P. Silva[1]. *[1]UNESP - Univ Estadual Paulista, Campus de Jaboticabal, Departamento de Zootecnia, Laboratório de Ciências Avícolas, Jaboticabal, SP, Brazil.*

17. **Body growth description of male and female from three broilers strains in hot climates.** Leilane Rocha Barros Dourado[*1], Dáphinne Cardoso Nagib do Nascimento[2], Jefferson Costa de Siqueira[3], Melina da Conceição Macêdo da Silva[2], Arléia Medeiros Maia[1], Kelane Santos do Lago[1], Raian Malta Acácio[1], Geane Andrade Araujo[1]. *[1]UFPI, Bom Jesus, PI, Brazil; [2]UFPI, Doutorado Ciência Animal, Teresina, PI, Brazil,[3]UFMA, Chapadinha, MA, Brazil,*

18. **Body growth description of male from three broilers strains in hot climates.** Leilane Rocha Barros Dourado[*1], Dáphinne Cardoso Nagib do Nascimento[2], Jefferson Costa de Siqueira[3], Melina da Conceição Macêdo da Silva[2], Arléia Medeiros Maia[1], Kelane Santos do Lago[1], Raian Malta Acácio[1], Geane Andrade Araujo[1].*[1]UFPI, Bom Jesus, PI, Brazil; [2]UFPI, Doutorado Ciência Animal, Teresina, PI, Brazil,[3]UFMA, Chapadinha, MA, Brazil.*

19. **Bromatological quality of stored eggs from laying hens bred in the cage-free system.** Mariana Thimotheo*[1], Guilherme Costa Venturini[2], Anaiara Langaro[3], Gustavo Camacho Paschoalin[4], Rodrigo Alves de Souza[5], Fábio Borba Ferrari[1], Hirasilva Borba[1] and, Pedro Alves de Souza[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]FMVZ-UNESP, Botucatu, SP, Brazil, [3]UDESC, Santa Catarina, RS, Brazil, [4]IZ, Nova Odessa, SP, Brazil*, *[5]FZEA-USP, Pirassununga, SP, Brazil.*
20. **Injection of glycosaminoglycans and vitamin C in ovo on the absolute and relative weight after hatching in broiler chicks.** Elaine Talita Santos*[1], Diana Mayuri Correa Castiblanco[1], Liliana Longo Borges[1], Carla Heloisa de Faria Domingues[2], Thays Cristina Oliveira de Quadros[1], Sarah Sgavioli[2],

Renan Di Giovanni Isola[3], Silvana Martinez Baraldi Artoni[1]. *FCAV-UNESP, Jaboticabal, SP, Brazil, [2]UFGD, Dourados, MS, Brazil, 3 IS Metrologia, Ribeirão Preto, SP, Brazil.*

21. **Nutrition *in ovo* with vitamin D3 and diet water containing sodium alendronate at grown phase, influence the broiler performance of 21 days old.** Thays C. O. de Quadros*[1], Sarah Sgavioli[2], Giuliana M. A. Garcia[1], Liliana L. Borges, Elaine T. Santos[1], Diana M. C. Castiblanco[1], Diogo L. Goulart[1], and Silvana M. B. Artoni[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]UFGD, Dourados,MS, Brazil.*

22. **Effect of *Bacillus subtilis in ovo* on absolute and relative weight of liver, gut and yolk sac of post hatch chicks.** Liliana L. Borges[1], Thays C. O. Quadros[2], Elaine T. Santos*[2], Giuliana M. A. Garcia[2], Mariana F. Casagrande[2], Sarah Sgavioli[3], Vitor R. Almeida[2], Silvana M. Baraldi-Artoni[2]. *[1]FCFRP-USP, Ribeirao Preto, SP, Brazil, [2]FCAV-UNESP, Jaboticabal, SP, Brazil, [3]FCA-UFGD, Dourados, MS, Brazil.*

23. **Effect of *Bacillus subtilis in ovo* on absolute and relative weight of liver, gut and yolk sac of post hatch chicks.** Liliana L. Borges[1], Thays C. O. Quadros[2], Elaine T. Santos*[2], Giuliana M. A. Garcia[2], Mariana F. Casagrande[2], Sarah Sgavioli[3], Vitor R. Almeida[2], Silvana M. Baraldi-Artoni[2]. *[1]FCFRP-USP, Ribeirao Preto, SP, Brazil, [2]FCAV-UNESP, Jaboticabal, SP, Brazil, [3]FCA-UFGD, Dourados, MS, Brazil.*

24. **Effect of *Bacillus subtilis in ovo* on absolute and relative weight of liver, gut and yolk sac of post hatch chicks.** Liliana L. Borges[1], Thays C. O. Quadros[2], Elaine T. Santos*[2], Giuliana M. A. Garcia[2], Mariana F. Casagrande[2], Sarah Sgavioli[3], Vitor R. Almeida[2], Silvana M. Baraldi-Artoni[2] *[1]FCFRP-USP, Ribeirao Preto, SP, Brazil, [2]FCAV-UNESP, Jaboticabal, SP, Brazil, [3]FCA-UFGD, Dourados, MS, Brazil.*

25. **Storage periods on the evaluation of the physical quality of eggs laying hens in cage-free system.** Mariana Thimotheo*[1], Guilherme Costa Venturini[2], Aline Giampietro-Ganeco[1], Luis Carlos Miguel Junior[1], Beatriz Mendes Machado[1], Jaqueline Aparecida Pavanini[1], Fernanda Marila de Souza[1] and, Hirasilva Borba[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]FMVZ-UNESP, Botucatu, SP, Brazil.*

26. **Effects of *Paenibacillus spp.* on broilers performance, intestinal, liver and pancreatic morphometrics, and pancreas enzymatic activity .** Juan Carlos Rios Alva[1,2], Giovana Bongiolo Magenis[1], João Martins Pizauro Junior[1], Cecília Maria Costa do Amaral[1], Liliana Longo Borges[1], Débora Emy Karcher*[1]Lizandra Amoroso[1], Silvana Martinez Baraldi Artoni[1]. *FCAV-UNESP, Jaboticabal, SP, Brazil, [2] Universidad Nacional Agraria La Molina, LIM, Peru.*

27. **Effects of two probiotics** *(Paenibacillus ssp* e *Bacillus ssp)***, and lincomycin on broilers performance, intestinal, liver and pancreatic morphometrics, and pancreas enzymatic activity.** Juan Carlos Rios Alva[1,2,] ,Giovana Manegis[1], João Martins Pizauro Junior[1], Cecília Maria Costa do Amaral[1], Liliana Longo Borges[1], Débora Emy Karcher*[1]Lizandra Amoroso[1], Silvana Martinez Baraldi Artoni[1] . *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2] Universidad Nacional Agraria La Molina, LIM, Peru.*

28. **Glycosaminoglycans and vitamin C in incubation and feed on the performance of broilers with 42 days of age.** Elaine Talita Santos*[1], Diana Mayuri Correa Castiblanco[1], Tiago Goulart Petrolli[2], Renan Di Giovanni Isola[3], Thays Cristina Oliveira de Quadros[1], Sarah Sgavioli[4], Otto Mack Junqueira[1], Silvana Martinez Baraldi Artoni[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brasil, [2]UNOESC, Xanxerê, SC, Brasil, [3]IS Metrologia, Ribeirão Preto, SP, Brazil. [4]UFGD, Campo Grande, MS, Brasil.*

29. **Levels of vitamin K supplementation for meat quail in growth from 1 to 14 days old.** Simara Márcia Marcato*[1], Caroline Espejo Stanquevis[1], Antônio Cláudio Furlan[1], Taynara Prestes Perine[1], Vittor Zancanela[1], Daiane de Oliveira Grieser[1], Mateus Silva Ferreira[3] and Eliany Batista[1]. *[1]UEM, Maringá, PR, Brazil, [2]. [3]UEM, Maringá, PR, Brazil.*

30. **Herb Mate inclusion (*Ilex paraguariensis*) on breast meat quality of broilers.** Beatriz Roriz[1], Rodrigo Garófallo Garcia[1], Bruna Barreto[1], Carla Heloisa de Faria Domingues*[1], Sarah Sgavioli[1], Claudia Andrea Lima Cardoso[2], Paulo Henrique Mazza Rodrigues[3], Rodrigo Borille[1]. *[1]UFGD, Dourados, MS, Brasil; [2]UEMS, Dourados, MS, Brasil; [3]FAMEZ/USP, Pirassununga, SP, Brasil.*

31. **Herb Mate inclusion *(Ilex paraguariensis*) on carcass yield and meat quality of broilers.** Beatriz Roriz[1], Rodrigo Garófallo Garcia[1], Bruna Barreto[1], Carla Heloisa de Faria Domingues*[1], Sarah Sgavioli[1], Rodrigo Borille[1], Irenilza Naas[1], Fabiana Caldara[1]. *[1]UFGD, Dourados, MS, Brasil.*

32. **Host-specificity of intestinal microbiota of broiler chickens.** Raquel Lunedo*[1], Marcos Macari[1], Luiz Roberto Furlan[1], Daniel Mendes Borges Campos[2], Miguel Frederico Fernandez-Alarcon[3].*[1]FCAV-UNESP, Jaboticabal, SP, Brazil; [2]UFSCAR, Buri, SP, Brazil; [3]PreVet Sanidade Aquícola, Jaboticabal, SP, Brazil.*

33. **How feed restriction interferes with ileal microbiota in broilers.** Raquel Lunedo*[1], Marcos Macari[1], Luiz Roberto Furlan[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil,*

34. **Influence of lighting program on rate of laying and egg weight in a broiler breeders flock.** Letícia Soares*[1], Nilva Kazue Sakomura[1], Nayara Tavares Ferreira[1], Camila Angélica Gonçalves[1], Mirella Cunha Melaré[1], Raian Malta Acácio[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

35. **Development of long bones in broilers subjected to feed restriction and created in different environmental temperature conditions.** Raquel Lunedo*[1], Juliana da Silva Vantini[1], Luís Daniel Giusti Bruno[2], Renato Luís Furlan[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil; [2]CCA-UNIOESTE, Marechal Cândido Rondon, PR, Brazil.*

36. **Metabolization of broiler chickens diets fed different lipid sources with an inclusion of emulsifier (soy lecithin and polyethylene glycol ricinoleate).** Fernando Barbosa Tavares[1*], Kedson Raul de Souza Lima[1], Maria Cristina Manno[1], Cristian Faturi[1], Higor Cesar de Oliveira Pinheiro[1], Leonardo Cesar Portal Pinto[1], Bruno Evangelista Guimarães[1], Ailime Naiara Gomes Monteiro[1]. *[1*]ISPA-UFRA, Belém, PA, Brazil.*

37. **Phytase supplementation in diets with low content of phosphorus and its effect on performance of broilers during the growth phase.** Mirella Cunha Melaré*[1], Nilva Kazue Sakomura[1], Letícia Soares[1], Nayara Tavares Ferreira[1], Marcos José Batista dos Santos[1], Raian Malta Acácio[1] and Bruno Balbino Leme[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

38. **Serum levels of broilers chicken fed with different lipid sources including emulsifier (soy lecithin and polyethylene glycol ricinoleate).** Fernando Barbosa Tavares[1*], Kedson Raul de Souza Lima[1], Maria Cristina Manno[1], Cristian Faturi[1], Janaína de Cassia Braga Arruda[1], Yan Matheus Leray Barata[1], Raissa Cristina Villar Sampaio[1] and Brenda Thamara Oliveira Monteiro[1.] *[1*]ISPA-UFRA, Belém, PA, Brazil.*

39. **Vitamin D3 *in ovo* influences the bone mineral density of post-hacth chicks.** Thays C. O. de Quadros*[1], Sarah Sgavioli[2], Liliana L. Borges[3], Elaine T. Santos[1], Diana M. C. Castiblanco[1], Lizandra Amoroso[1], Otto Mack Junqueira[1], and Silvana M. B. Artoni[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]UFGD, Dourados,MS, Brazil, [3] FCFRP-USP, Ribeirao Perto, SP, Brazil.*
40. **Effect of barbatimão verdadeiro** (*Stryphnodendron adstringens* Mart.*)* **on the performance and control in broiler eimeriosis.** Flávia Aparecida Nogueira[1], Thays Cristina Oliveira de Quadros[1], Juan Carlos Rios Alva[2], Murilo Garavelo[1], Giuliana Milan de Andrade Garcia[1], Débora Emy Karcher*[1], Lizandra Amoroso[1], Silvana Martinez Baraldi Artoni[1].*[1]FCAV-UNESP, Jaboticabal, SP, Brazil.[2] Universidad Nacional Agraria La Molina, LIM, Peru*

Genetics and Animal Breeding

41. **Evaluation of SNP array of 65K on racing line of Quarter Horses bred in Brazil.** Gabriel M. Rogatto*[1], Guilherme L. Pereira[2], Rogério A. Curi[1], Josineudson Augusto II V. Silva[1], Henrique N. de Oliveira[2], and Luis Artur L. Chardulo[1]. [1]*FMVZ-UNESP, Botucatu, SP, Brazil,* [2]*FCAV-UNESP, Jaboticabal, SP, Brazil.*

42. **Single-step GWAS using chip 65k for racing performance in Quarter Horses.** Amanda D. Assoni*[1], Guilherme L. Pereira[2], Rogério A. Curi[1], Josineudson Augusto II V. Silva[1], Henrique N. de Oliveira[2], and Luis Artur L. Chardulo[1]. [1]*FMVZ-UNESP, Botucatu, SP, Brazil,* [2]*FCAV-UNESP, Jaboticabal, SP, Brazil.*

43. **Pre-imputation analysis in racing line of Quarter Horses genotyped with equine chips of 54k and 65k.** Guilherme Luis Pereira*[1], Tatiane Cristina Seleguim Chud[1], Gabriel Mantelato Rogatto[2], Ricardo Viera Ventura[3], Rogério A. Curi[2]. [1]*FCAV-UNESP, Jaboticabal, SP, Brazil,* [2]*FMVZ-UNESP, Botucatu, SP, Brazil,* [3] *Guelph, Ontario, Canada. Visitant Professor, USP Pirassununga – Brazil*

44. **Population structure and genetic variability of Brazilian Quarter Horse.** Ricardo António S. Faria[1], Luiz Eduardo C. S. Correia*[1], Amanda M. Maiorano[1], Pablo D. Castaño[1], Camilla S. Nogueira[1], Alejandra M. Toro Ospina[1], Guilherme C. Venturini[2] and Josineudson A. II V. Silva[2]. [1]*FCAV-UNESP, Jaboticabal, SP, Brazil,* [2]*FMVZ-UNESP, Botucatu, SP, Brazil.*

45. **Genome wide association study of fecal egg count in Santa Inês sheep.** Daniel Biagiotti*[1,4], José Lindenberg Rocha Sarmento[2], Fabyano Fonseca e Silva[3], Gleyson Vieira dos Snatos[4], Luciano Silva Sena[2], Bruna Lima Barbosa[4], Aurino de Araújo Rego Neto[4] and Fabio Barros Britto[2]. [1]*CTBJ-UFPI, Bom Jesus, PI,Brazil,* [2]*UFPI, Teresina, PI, Brazil,* [3]*UFV, Viçosa, MG,Brazil,* [4]*Pós-Graduação em Ciência Animal-UFPI, Teresina, PI, Brazil.*

46. **Novelty SNPs for feed efficiency in Santa Inês breed sheep.** Amanda B. Alvarenga*[1], Gregori A. Rovadoscki[1], Juliana Petrini[1], Ana Caroline Ferreira[2], Gleidson G.P. Carvalho[2], Luís Fernando B. Pinto[2], Luiz L. Coutinho[1], and Gerson B. Mourão[1]. [1]*ESALQ-USP, Piracicaba, SP, Brazil,* [2]*UFBA, Salvador, BA, Brazil.*

47. **Different strategies to estimate genetic parameters for the rank of Santa Ines sheep in agricultural-shows.** Anderson Antonio Carvalho Alves*[1], Luciano Pinheiro da Silva[2], Ana Maria Bezerra Oliveira Lobo[3], Olivardo Facó[3], and Raimundo Nonato Braga Lobo[3]. [1]*FCAV-UNESP, Jaboticabal, SP, Brazil,* [2]*UFC, Fortaleza, CE, Brazil,* [3]*EMBRAPA/ National Goat and sheep Research Center - CNPC, Sobral, CE, Brazil*

48. **Pedigree analysis and genetic variability inwoolless sheep conservation nucleus.** Camila Tino[1], Ligia Cavani*[2], Matos Manuel[2], Juliana Osorio[2], Ricardo da Fonseca[2], and Kleibe Silva[3]. [1]*FCAT-UNESP, Dracena, SP, Brazil,* [2]*FCAV-UNESP, Jaboticabal, SP , Brazil,* [3]*EMBRAPA, Sobral, CE, Brazil.*

49. **Pedigree information and breeding program: a pathway to Pantaneiro Sheep.** Carolina M. Costa*[1], Elias A. G. Carnelossi[1], Marcio R. de Souza[1], and Fernando M. V. Junior[1]. [1] *FCA–UFGD, Dourados, MS, Brazil.*

50. **Meat traits associated with PPARγ and GDF-8 genes of Pantaneiros lambs.** Jessica Cristina Gonçalves dos Santos*[1], Elias Alberto Gutierrez Carnelossi[1], Bruno do Amaral Crispim[2], André Vieira do Nascimento[3], Fernando Miranda Vargas-Junior[1], Leonardo de Oliveira Seno[1] and Alexeia Barufatti Grisolia[3]. [1] *FCA-UFGD, Dourados, MS, Brazil,* [2] *FACET-UFGD, Dourados, MS, Brazil,* [3] *FCBA-UFGD, Dourados, MS, Brazil.*

51. **Study of the feasibility of using days to a specific weight trait in sheep breeding programs.** Bruna F. Santana[1], Ricardo da Fonseca[1], and Ligia Cavani*[2]. [1]*FCAT-UNESP, Dracena, SP, Brazil,* [2]*FCAV-UNESP, Jaboticabal, SP, Brazil.*

52. **Comparison between normal and binomial distributions for modelling presence of ectoparasites in goats.** Tatiana Saraiva Torres*[1], Max Brandão de Oliveira[1], Luciano Silva Sena[1], José Lindenberg Rocha Sarmento[2], Vanessa dos Santos Neri[1], Laylson da Silva Borges[1], and José Elivalto Guimarães Campelo[2]. [1]*Programa de Pós-Graduação em Ciência Animal,CCA, UFPI, Teresina, PI, Brazil,* [2]*DZO-UFPI, Teresina,PI, Brazil.*

53. **Normal and Poisson distributions for modelling data of eggs per gram of feces in goats of Anglo-Nubian breed.** Laylson da Silva Borges[1], Vanessa dos Santos Neri[1], Antônia Leidiana Moreira[1], Wanderson Fiares de Carvalho[1], José Lindenberg Rocha Sarmento[2], Max Brandão de Oliveira[1], Tatiana Saraiva Torres[1], and Luciano Silva Sena[1]*. [1]*Programa de Pós-Graduação em Ciência Animal, CCA, UFPI, Teresina, PI, Brazil,* [2]*DZO-UFPI, Teresina, PI, Brazil.*

54. **Multivariate analysis applied to phenotypic characterization of goats.** Vanessa dos Santos Neri*[1], Max Brandão de Oliveira[1], Luciano Silva Sena[1], Laylson da Silva Borges[1], Tatiana Saraiva Torres[1], Leandra Polliny Morais Machado[2], Antônio de Sousa Júnior[3], and José Lindenberg Rocha Sarmento[4]. [1]*Programa de Pós-Graduação em Ciência Animal,UFPI, Teresina, PI, Brazil,* [2]*Programa de Pós-Graduação em Zootecnia,UFPI, Bom Jesus, PI, Brazil,* [3]*CTT, UFPI, Teresina,PI, Brazil,* [4]*DZO, UFPI, Teresina, PI, Brazil.*

55. **Bayesian models linear and threshold for marbling and score body in breed goats Anglonubian.** Luiz Antonio Silva Figueiredo Filho*[1], José Lindenberg Rocha Sarmento[2], José Elivalto Guimarães Campelo[2], Natanael Pereira da Silva Santos[3], Márcio da Silva Costa[3], Luciano Silva Sena[4], Gleyson Vieira dos Santos[4], and Tatiana Saraiva Torres[4]. [1]*IFMA Campus Timon, Timon, MA, Brazil,* [2]*UFPI, Teresina, PI, Brazil,* [3]*UFPI, Bom Jesus, PI, Brazil,* [4]*PPGCA-UFPI, Teresina, PI, Brazil.*

56. **Heterogeneity of variance in longitudinal data of weight and goats female growth curve fitted by non-linear models.** Diego H. Cavalcante*[1], Francisco A. Arré[1], José E. G. Campelo[1], José L. R. Sarmento[1], Vanessa dos S. Neri[1], Maria I. S. Macedo[1], Flora S. P. Maia[1], Carlos S. M. Luz[1]. [1]*UFPI, Teresina, PI, Brazil.*

57. **Environmental effects on weight and number of eggs of captive partridges.** Luiz Eduardo C. S. Correia*[1], Aline Aparecida S. Stella[1], Camilla S. Nogueira[1], Ricardo António S. Faria[1], José Maurício B. Duarte[1], Nabor Veiga[2], Fabiana F. Souza[2], and Josineudson Augusto II V. Silva[2]. [1]*FCAV-UNESP, Jaboticabal, SP, Brazil,* [2]*FMVZ-UNESP, Botucatu, SP, Brazil.*

58. **Non-hierarchical cluster analysis for body weight, age at first egg, egg production and egg weight in a laying hen strain.** Luara Afonso de Freitas*[1,2], Natalia Vinhal Grupioni[1,3], Rodrigo Pelicioni Savegnago[1,4], Nedenia Bonvino Stafuzza[1,3], Elsio Antonio Pereira de Figueiredo[5], Gilberto Schmidt[5], Mônica Corrêa Ledur[5], and Danísio Prado Munari[1,6]. [1]*FCAV-UNESP, Jaboticabal, São Paulo, Brazil,* [3]*Fellowship from CAPES,* [2]*Postdoctoral fellowship from CAPES/EMBRAPA,* [4]*Fellowship from FAPESP (Process n. 2013/20091-0),* [5]*Embrapa Suínos e Aves, Concórdia, Santa Catarina, Brazil,* [6]*Productivity research fellowship from CNPq.*

59. **Phenotypic diversity based on quantitative morphological data of native chicken breed Canela-Preta.** Débora A. de Carvalho*[1], Marcos J. de O. Almeida[2], Cristina M. Bonafé[3], José L. R. Sarmento[1], Max B. de Oliveira[1], Abigail A. de Carvalho[1], Luciano S. Sena[1], Pacelli Rodrigues de Sousa[1]. [1]*UFPI, Teresina, PI, Brasil,* [2]*EMBRAPA Meio-Norte, Teresina, PI, Brasil,* [3]*UFVJM, Diamantina, MG, Brasil.*

60. **Linear regression for birth weight of chicks in function of egg weight of naturalized chicken without defined ecotype.** João Paulo Barbosa Cardoso*[1], Max Brandão de Oliveira[1], Naiane da Rocha Silva[2], Leandra Polliny Morais Machado[1], Luciano Silva Sena[1], Raimundo Bezerra de Araújo Neto[3], and Firmino José Vieira Barbosa[2]. *[1]CCA-UFPI, Teresina, PI, Brazil, [2]UESPI, Teresina, PI, Brazil, [3]Embrapa Meio-Norte, Teresina, PI, Brazil.*

61. **Linkage disequilibrium and effective population size in a paternal broiler line.** Jorge A. P. Marchesi*[1,3], Ana P. Sbardella[1,3], Letícia B. Joaquim[1,4], Mauricio E. Cantão[2], Jane O. Peixoto[2], Marcos E. Buzanskas[1,5], Mônica C. Ledur[2] and Danísio P. Munari[1,6]. *[1]UNESP – Univ Estadual Paulista, Faculdade de Ciências Agrárias e Veterinárias, Jaboticabal, SP, Brazil, [2]Embrapa Swine and Poultry, Concórdia, SC, Brazil.[3]CAPES/EMBRAPA, [4]CAPES, [5]FAPESP (2013/19335-2), [6]CNPq*.

62. **Genetic parameter estimates for average daily gain and backfat thickness in Pietrain swine breed.** Leticia B Joaquim [1*], Tatiane C Seleguim Chud[1,2], Márcio C Pereira[3], Renato Irgang[3], Danísio P Munari[1,4]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2] Fapesp grant number 2015/0839-0.[3]UFSC, Florianópolis, SC, Brazil, [4]CNPq*

63. **Comparison between optimum contribution and mate selection in coho salmon breeding.** Grazyella Massako Yoshida[1*], José Manuel Yáñez[2,3], Jean Paul Lhorente[3], Sandra Aidar de Queiroz[1,4], Roberto Carvalheiro[1,4]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]Universidad de Chile, Santiago, Chile, [3]Aquainnovo, Puerto Montt, Chile, [4]CNPq researcher.*

Ruminants and Forages

64. **Heritability estimates of age at first calving in Nelore cattle.** Ana Beatriz M. Gomes*[1], Amanda M. Maiorano[2], Camilla S. Nogueira[2], Alejandra M. Toro Ospina1[2], Ricardo António S. Faria[2], Lucia G. Albuquerque[2], Rogério A. Curi[1] and Josineudson A. II V. Silva[1]. *[1]FMVZ-UNESP, Botucatu, SP, Brazil, [2]FCAV-UNESP, Jaboticabal, SP, Brazil*

65. **Gene expression of myosin heavy chain isoforms (MyHC) with different growth traits in Nellore cattle.** Cruz Elena Enríquez-Valencia[1], Jessica Moraes Malheiros*[1], Larissa Fernanda Simielli Fonseca[1], Ivan José Vechetti-Junior[2], Camilla de Souza Nogueira[1], Maeli Dal-Pai-Silva[2], Henrique Nunes de Oliveira[1] and Luis Artur Loyola Chardulo[3]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil[1], [2]IB-UNESP, Botucatu, SP, Brazil, [3]FMVZ-UNESP, Botucatu, SP, Brazil*

66. **Phenotypic characteristics of bulls in auctions at the main sales centers in Rio Grande do Sul, Brazil.** Jusecléia F. Lopes *[1], Gabriel R. Pereira[1], Giordano B. Fornari[1], Everton D. Sartori[1], Izabela de Paula Pereira[1], Thaís L. Gonçalves[2], Ricardo P. Oaigen[2], and Júlio O. J. Barcellos[1]. *[1] NESPRO-UFRGS, Porto Alegre, RS, Brazil, [2] UNIPAMPA, Uruguaiana, RS, Brazil*

67. **Calpain gene expression in growth and meat tenderness traits in Nellore cattle.** Victor Augusto Domingos Dias[1], Jessica Moraes Malheiros*[1], Cruz Elena Enríquez-Valencia[1], Bruno Oliveira da Silva Duran[2], Luiz Eduardo Cruz dos Santos Correia[1], Maeli Dal-Pai-Silva[2], Henrique Nunes de Oliveira[1] and Luis Artur Loyola Chardulo[3]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil[1], [2]IB-UNESP, Botucatu, SP, Brazil, [3]FMVZ-UNESP, Botucatu, SP, Brazil*

68. **Use of *fuzzy* systems to support decision making in the choice of reproductive bulls.** Helano P. Lima[1], Juliana C. B. Silva*[2], Ériklis Nogueira[2], Urbano G. P. de Abreu[2], and Heloisa de A. Carmago[3]. *[1]Embrapa Informática Agropecuária, Campinas, SP, Brazil, [2]Embrapa Pantanal, Corumbá, MS, Brazil, [3]UFSCar, São Carlos, SP, Brazil.*

69. **Hematological Parameters of Pregnant Cattle of Guzerat and Nellore Breeds.** Bianca V. Pires*[1], Luara A. de Freitas[2], Gabriele V. da Silva[1], Gabriela G. Mendonça[1], Maria Lúcia P. Lima[1] and Cláudia C. P.de Paz[1]. *[1]Instituto de Zootecnia (IZ), Centro APTA Bovinos de Corte, Sertãozinho, SP, Brazil. [2]FCAV-UNESP, Jaboticabal, SP, Brazil.*

70. **Erythrocyte profile evaluation of pregnant Guzerat females and their respective calf.** Bianca V. Pires*[1], Daniele B. Aquaroli[1], Luara A. de Freitas[2], Gabriele V. da Silva[1], Gabriela G. Mendonça[3], Anielly de P. Freitas[1], Maria Lúcia P. Lima[1] and Cláudia C. P. de Paz[1]. *[1]Instituto de Zootecnia (IZ), Centro APTA Bovinos de Corte, Sertãozinho, SP, Brazil.[2]FCAV-UNESP, Jaboticabal, SP, Brazil.[3]FMVZ-USP, Pirassununga, Brazil.*

71. **The effects of stressor agents and environment on the probability of pregnancy in *Bos indicus* cows submitted to Fixed-Time Artificial Insemination.** Nathalie Silva Algayer[1], Paulo Rossi Junior[1], Romildo Romualdo Weiss[1], Álida Mariana dos Reis Buzzo*[1], Ligia Azolini Campos[1], Guilherme Parreira da Silva[1], and Eliane Ribeiro Carmes[1]. *[1]UFPR, Curitiba, PR, Brazil.*

72. **The effects of serum cortisol levels of the female Bos indicus pregancy rates submitted to Fixed-Time Artificial Insemination.** Nathalie Silva Algayer[1], Paulo Rossi Junior[1], Romildo Romualdo Weiss[1], Álida Mariana dos Reis Buzzo*[1], Ligia Azolini Campos[1], Nivea da Silva Matuda[1], Guilherme Parreira da Silva[1]. *[1]UFPR, Curitiba, PR, Brazil.*

73. **Correlation between blood collection time and serum cortisol levels in *Bos indicus* cows subjected to stressful stimuli.** Nathalie Silva Algayer[1], Paulo Rossi Junior[1], Romildo Romualdo Weiss[1], Álida Mariana dos Reis Buzzo*[1], Ligia Azolini Campos[1], Nivea da Silva Matuda[1], and Eliane Ribeiro Carmes[1]. *[1]UFPR, Curitiba, PR, Brazil.*

74. **Performance of crossbred steers surgically castrated or immunocastrated.** Ricardo Favero[1], Georg Altrak[2], Rodrigo C. Gomes[3], Gilberto R. O. Menezes[3*], Roberto A. A. Torres Júnior[3], Gabriel M. Pereira[4], Ricardo Kazama[2], Ivone Y. Mizubuti[1]. *[1]Universidade Estadual de Londrina, UEL, Londrina, PR, Brazil, [2]Universidade Federal de Santa Catarina, UFSC, Florianópolis, SC, Brazil, [3]Embrapa Gado de Corte, CNPGC, Campo Grande, MS, Brazil, [4]Universidade Católica Dom Bosco, UCDB, Campo Grande, MS, Brazil.*

75. **Carcass traits of crossbred steers surgically castrated or immunocastrated.** Ricardo Favero[1], Gelson L. D. Feijó[2], Marina N. Bonin[3], Rodrigo C. Gomes[2], Gilberto R. O. Menezes*[2], Roberto A. A. Torres Júnior[2], Lucy M. A. Surita[4], Ivone Y. Mizubuti[1]. *[1]Universidade Estadual de Londrina, UEL, Londrina, PR, Brazil, [2]Embrapa Gado de Corte, CNPGC, Campo Grande, MS, Brazil, [3]Universidade Federal de Mato Grosso do Sul, UFMS, Campo Grande, MS, Brazil, [4]Universidade Estadual de Mato Grosso do Sul, UEMS, Aquidauana, MS, Brazil.*

Thursday, June 9 - Session II (17:30 - 18:30)

Ruminants and Forages

1. **Heat production of Saanen and Anglo Nubian goats using CN method.** Ana Rebeca C. Lima*[1], Raíza F. Silveira[1], Carolina O. Isabel[1], Marina E. B. de Andrade[1], Anaiane P. Souza[1], Márcia H. M. R. Fernandes[1], Izabelle A. M. A Teixeira[1] and Kléber T. Resende[1]. *[1]UNESP, Univ. Estadual Paulista. Jaboticabal, SP, Brazil.*

2. **Heat production and retained energy of Saanen and Anglo Nubian goats under cold environment.** Carolina Isabel S. Oporto* [1], Ana Rebeca C. Lima[1], Raíza F. Silveira[1], Marina E. B. de Andrade[1] Anaiane P. Souza[1], Márcia H. M. R. Fernandes[1], Izabelle A. M. A Teixeira[1], and Kléber T. Resende[1]. *FCAV-UNESP, Jaboticabal, SP, Brazil [11]FCAV-UNESP, Jaboticabal, SP, Brazil*

3. **Net macromineral requirements for gain of Saanen goats.** Julian A. C. Vargas*[1], Amélia K. Almeida[1], Anaiane P. Souza[1], Márcia H. R. M. Fernandes[1], Kleber T. Resende[1], Normand R. St-Pierre[2], and Izabelle A. M. A. Teixeira[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]The Ohio State University, Columbus, OH, USA*

4. **Mineral status in F1 Boer × Saanen male kids subjected to feed restriction in early life.** Marcos Jácome de Araújo[1*], Izabelle Auxiliadora Molina de Almeida Teixeira[2], Kleber Tomás de Resende[2], José Morais Pereira Filho[3], Silvana Martinez Baraldi Artoni[2] and Ariosvaldo Nunes de Medeiros[4]. *[1]CPCE-UFPI, Bom Jesus, PI, Brazil. [2]FCAV-UNESP, Jaboticabal, SP, Brazil, [3]CSTR - UFCG, Patos, PB, Brazil. [4]CCA - UFPB, Areia, PB, Brazil*

5. **Mineral status in F1 Boer × Saanen male kids subjected to feed restriction in growth phase.** Marcos Jácome de Araújo[1*], Izabelle Auxiliadora Molina de Almeida Teixeira[2], Kleber Tomás de Resende[2], José Morais Pereira Filho[3], Silvana Martinez Baraldi Artoni[2] and Ariosvaldo Nunes de Medeiros[4]. *[1]CPCE-UFPI, Bom Jesus, PI, Brazil. [2]FCAV-UNESP, Jaboticabal, SP, Brazil, [3]CSTR - UFCG, Patos, PB, Brazil. [4]CCA - UFPB, Areia, PB, Brazil*

6. **Macromineral metabolism of Saanen goat kids of different sexes subjected to feed restriction.** Carla Joice Härter*[1], Paula Fernanda Varella dos Santos[1], Nhayandra Dias[1], Rafael Fernandes Leite[2], and Izabelle Auxiliadora Molina de Almeida Teixeira[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil; [2]UFLA, Lavras, MG, Brazil.*

7. **Evaluation of mineral profile in serum, urine and sediment of sheep receiving calculogenic diet.** Thiago Arcoverde Maciel[2], Nitalmo Leite Júnior[3], Vanessa Vasconcelos Araújo[3], Antônio Brito da Silva Filho[3], André Luiz Rodrigues Magalhães[3], Silvana Martinez Baraldi Artoni[1]*, Daniela Oliveira[3]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]Programa de Pós-Graduação em Medicina Veterinária, FCAV-UNESP, [3]Unidade Acadêmica de Garanhuns, Universidade Federal Rural de Pernambuco (UFRPE).*

8. **Relationship between body mass and empty body mass in growing goats**. Letícia M. Campos*[1], Amélia K. Almeida[1], Bruno Biagioli[1], and Izabelle A. M. A. Teixeira[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

9. **Equations to predict empty body weight of weaned lambs of different genetic groups.** Ingrid Harumi de Souza Fuzikawa*[1], Wignez Henrique[1], Gabriela Aferri[2], Mauro Sartori Bueno[3], Emanuel Almeida de Oliveira[4], Fabiane de Souza Costa[1], Sérgio Novita Esteves[5], Maurício Mello de Alencar[5,6]. *[1]APTA, Sao José do Rio Preto, SP, Brazil; [2]APTA, Jaú, SP, Brazil; [3]Instituto de Zootecnia, Nova Odessa, SP, Brazil; [4]FCAV/Unesp, Jaboticabal, SP, Brazil; [5]Embrapa Pecuária Sudeste, Sao Carlos, SP, Brazil, [6]CNPq Fellowship.*

10. **Sex affects growth curves of the gastrointestinal tract organs of Saanen goats.** Marina E. B. Andrade*, Carla J. Härter, Kleber Tomás de Resende, and Izabelle A. M. A. Teixeira. *FCAV-UNESP, Jaboticabal, SP, Brazil.*

11. **Morphological alterations on rumen mucosa of finishing lambs fed high grain diets supplemented with mannan oligosaccharides.** Fernando A. Jacovaci*[1], Dheyme C. Bolson[1], Antônio V. I. Bueno[1], Viviane C. Gritti[1], Matheus Ribeiro[1], Tatiana G. Díaz[1], João L. P. Daniel[1], Clóves C. Jobim[1]. *[1]State University of Maringá, Maringá, PR, Brazil*

12. **Use of encapsulated calcium nitrate for growing goat kids.** Raiza Felismino Silveira*[1], Márcia Helena Machado da Rocha Fernandes[1], Amélia Katiane de Almeida[1], Rafael Canonenco de Araújo[2], Bruno Biagioli[1], Ana Rebeca Castro Lima[1], Kléber Tomás de Resende[1], Izabelle Auxiliadora Molina de Almeida Teixeira[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]Supervisor de P&D – Divisão de Ruminantes/GRASP*

13. **Effect of the concentrate supplementation on composition of the extrusa, fed intake, digestibility and N balance from goat grazing Caatinga native vegetation.** Ariosvaldo N. Medeiros *[1], Aldivan R. Alves[2], Albericio P. Andrade [1], Rosa T. S. Frighetto[3], Messias J. S. Silva [1] , and Divan S. Silva[1]. *[1]CCA-UFPB, Areia, PB, Brazil, [2]IFMA, Caxias, MA, Brazil, [3]Embrapa Meio Ambiente, Jaguariúna, SP, Brazil*

14. **Nutrient intake of grazing goats supplemented with increasing levels of mesquite pod meal.** Danrlei Carvalho dos Santos[1], Mara Lúcia Albuquerque Pereira[2], Diego da Hora Souto[3], Herymá Giovane De Oliveira Silva[2], Paulo José Presídio Almeida[3], Karine Pinheiro de Oliveira*[1], Nadjane Vieira da Silva[1] and Joane Raquel Ferreira Alves de Almeida[1]. *[1]Graduando em Zootecnia– UESB, Itapetinga, BA, [2]Professor curso de Zootecnia – UESB, Itapetinga, BA, [3]Mestre em Zootecnia – UESB, Itapetinga, BA.*

15. **Supplement levels containing mesquite pod meal in goats grazing: nitrogen balance.** Ingridy de Carvalho Dutra[1], Mara Lúcia Albuquerque Pereira[2], Diego da Hora Souto[3], Herymá Giovane De Oliveira Silva[2], Paulo José Presídio Almeida[3], Karine Pinheiro de Oliveira *[1], Virgínia Patrícia dos Santos Soares[1] and Nadjane Vieira da Silva[1]. *[1]Graduando em Zootecnia – UESB, Itapetinga, BA, [2]Professor do curso de Zootecnia – UESB, Itapetinga, BA, [3]Mestre em Zootecnia – UESB, Itapetinga, BA.*

16. **Microbial protein synthesis in goats grazing supplemented with concentrates containing mesquite pod meal.** Joane Raquel Ferreira Alves de Almeida[1], Mara Lúcia Albuquerque Pereira[2], Diego da Hora Souto[3], Herymá Giovane De Oliveira Silva[2], Paulo José Presídio Almeida[3], Karine Pinheiro de Oliveira*[1], Ingridy de Carvalho Dutra[1] and George Soares Correia[1]. *[1]Graduando em Zootecnia – UESB, Itapetinga, BA,[2]Professor curso de Zootecnia – UESB, Itapetinga, BA, [3]Mestre em Zootecnia – UESB, Itapetinga, BA.*

17. **Feeding behavior of goats in deferred pasture of *Urochloa* with different supplementation levels.** Virgínia Patrícia dos Santos Soares[1], Mara Lúcia Albuquerque Pereira[2], Diego da Hora Souto[3], Herymá Giovane De Oliveira Silva[2], Paulo José Presídio Almeida[3], Karine Pinheiro de Oliveira *[1], Joane Raquel Ferreira Alves de Almeida[1] and Érick Rocha da Silva[1]. *[1]Graduando em Zootecnia – UESB, Itapetinga, BA, [2]Professor do curso de Zootecnia – UESB, Itapetinga, BA, [3]Mestre em Zootecnia– UESB, Itapetinga, BA.*

18. **Intake by lambs finished in confinement with concentrate containing mesquite pod meal levels replacement maize.** Ingridy de Carvalho Dutra[1], Mara Lúcia Albuquerque Pereira[2], Leandro Borges Sousa[3], Herymá Giovane De Oliveira Silva[2], Paulo José Presídio Almeida[4], Karine Pinheiro de

Oliveira[*1], George Soares Correia[1] and Virgínia Patrícia dos Santos Soares[1]. *[1]Graduando em Zootecnia – UESB, [2]Professor curso de Zootecnia – UESB, Itapetinga, BA, [3]Doutorando em Zootecnia – UESB, Itapetinga, BA, [4]Mestre em Zootecnia – UESB, Itapetinga, BA*

19. **Economic viability of supplementation for lambs grazing with concentrates containing replacement levels of corn by mesquite pod meal.** Karine Pinheiro de Oliveira[*1], Mara Lúcia Albuquerque Pereira[2], Leandro Borges Sousa[3], Herymá Giovane De Oliveira Silva[2], Paulo José Presídio Almeida[3], Virgínia Patrícia dos Santos Soares[1], Larisse Borges Sousa[4] and Maicon Rodrigues Porto[1]. *[1]Graduando em Zootecnia – UESB, Itapetinga, BA,[2]Professor curso de Zootecnia – UESB, Itapetinga, BA, [3]Mestre em Zootecnia – UESB, Itapetinga, BA, [4]Mestrando em Zootecnia – UESB, Itapetinga, BA.*

20. **Economic viability of the use of concentrates containing mesquite levels replacing corn for feedlot lambs.** Karine Pinheiro de Oliveira[*1], Mara Lúcia Albuquerque Pereira[2], Leandro Borges Sousa[3], Herymá Giovane De Oliveira Silva[2], Paulo José Presídio Almeida[3], George Soares Correia[1], Larisse Borges Sousa[4] and Danrlei Carvalho dos Santos[1]. *[1]Graduando em Zootecnia – UESB, Itapetinga, BA,[2]Professor curso de Zootecnia – UESB, Itapetinga, BA, [3]Mestre em Zootecnia – UESB, Itapetinga, BA, [4]Mestrando em Zootecnia – UESB, Itapetinga, BA.*

21. **Intake and ingestive parameters in lambs grazing deferred Urochloa grass with supplements containing different levels of mesquite pod meal.** Maicon Rodrigues Porto[1], Mara Lúcia Albuquerque Pereira[2], Leandro Borges Sousa[3],Herymá Giovane De Oliveira Silva[2], Paulo José Presídio Almeida[3],Nadjane Vieira da Silva[1], Karine Pinheiro de Oliveira[1]andJoane Raquel Ferreira Alves de Almeida[1]. *[1]Graduando em Zootecnia–UESB, Itapetinga, BA,[2]Professor curso de Zootecnia – UESB, Itapetinga, BA, [3]Mestre em Zootecnia– UESB, Itapetinga, BA, [4]Mestrando em Zootecnia– UESB, Itapetinga, BA.*

22. **Feeding behavior of lambs on feedlot finishing fed with concentrate containing maize replacement levels by mesquite pod meal.** Maicon Rodrigues Porto[1], Mara Lúcia Albuquerque Pereira[2], Leandro Borges Sousa[3], Herymá Giovane De Oliveira Silva[2], Paulo José Presídio Almeida[3], Érick Rocha da Silva[1], Karine Pinheiro de Oliveira[*1] and Larisse Borges Sousa[4]. *[1]Graduando em Zootecnia – UESB, Itapetinga, BA,[2]Professor curso de Zootecnia – UESB, Itapetinga, BA, [3]Mestre em Zootecnia – UESB, Itapetinga, BA, [4]Mestrando em Zootecnia – UESB, Itapetinga, BA.*

23. **Performance of lambs finished in confinement with concentrated supplements containing corn replacement levels by mesquite meal.** Nadjane Vieira da Silva[1], Mara Lúcia Albuquerque Pereira[2], Leandro Borges Sousa[3], Herymá Giovane De Oliveira Silva[2], Paulo José Presídio Almeida[3], Karine Pinheiro de Oliveira[*1], Danrlei Carvalho dos Santos[1] and Ingridy de Carvalho Dutra[1]. *[1]Graduando em Zootecnia – UESB, [2]Professor curso de Zootecnia – UESB, Itapetinga, BA, [3]Doutorando em Zootecnia – UESB, Itapetinga, BA, Mestrando em Zootecnia – UESB, Itapetinga, BA.*

24. **Fecal NIRS: a tool for predicting nitrogen content in feces and the content of digestible organic matter in diet of sheep grazing a natural pasture in southern Brazil**. Marcelo Gindri*[1], Elissandra Maiara de Castro Zilio[1] , Mariana Fragoso Rentas[2] , Ricardo Gonçalves Gindri[1] , Thais Regina Longo[1] , Andressa de Souza Guterres[1] , Claudio Antonio Pozo[1] , Gilberto Vilmar Kozloski[1]. [1]UFSM, Santa Maria, RS, Brazil, [2]USP, São Paulo, SP, Brazil.

25. **Ingestive behavior of semi-confined lambs in integrated production systems.** Vanessa Zirondi Longhini*[1], Ciniro Costa[2], Paulo Roberto de Lima Meirelles[2], Verena Micheletti Protes[2], Cristiano Magalhães Pariz[2], André Michel de Castilhos[2], Flávia Scarpino van Cleef[1], and Caroline Nair Ramirez Braga[2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil. [2]FMVZ-UNESP, Botucatu, SP, Brazil.*

26. **Carcass characteristics of semi-confined lambs in integrated production systems.** Vanessa Zirondi Longhini[*1], Ciniro Costa[2], Paulo Roberto de Lima Meirelles[2], Verena Micheletti Protes[2], Cristiano Magalhães Pariz[2], André Michel de Castilhos[2], Ana Paula Oliveira Santos[2] e Laura Dias Fernandes[2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil. [2]FMVZ-UNESP, Botucatu, SP, Brazil.*

27. **Meat quality of feedlot lambs fed oregano essential oil and black wattle extract taniniferous.** Katiéli Caroline Welter[1], Cristian Marlon de Magalhães Rodrigues Martins[2], Gabriela Benetel*[1], Flávia Alves Melo[1], Tatiane Ninomya Ribeiro[1], Renata da Silva Ferigato[1], Roberta Cavalcante Cracco[1], Ives Cláudio da Silva Bueno[1]. [1]Department of Animal Science, School of Animal Science and Food Engineering, University of São Paulo, Pirassununga, SP, Brazil. [2]Department of Nutrition and Animal Production, School of Veterinary Medicine and Animal Science, University of São Paulo, Pirassununga, SP, Brazil.

28. **Development of carcass tissues of growing Pantaneiro lambs.** Evandro P. de Souza*[1]; Leonardo O. Seno[1]; Alexandre R. M. Fernandes[1]; Rusbel R. Aspilcueta-Borquis[1]. *[1]FCA-UFGD, Dourados, MS, Brasil.*

29. **Effect of high concentrations of crude glycerin on carcass and meat traits, and edible non-carcass components yield of feedlot ram lambs.** Marco T. C. Almeida*[1,2], Jane M. B. Ezequiel[1], Josimari R. Paschoaloto[1], Henrique L. Perez[1,2], Vanessa B. Carvalho[1], Edvilson S. Castro Filho[1], and Eric H. C. B. van Cleef[1,2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil,[2]FAPESP*

30. **Quality *in natura* and aged meat of lambs fed biodiesel byproducts.** Roberta de Lima Valença*[1], Américo Garcia da Silva Sobrinho[1], Eliéder Prates Romanzini[1], Thiago Henrique Borghi[1], Nomaiací de Andrade[1], Nivea Maria Brancacci Lopes Zeola[1], Fernanda de Almeida Merlim[1], Mikaele Alexandre Pereira[2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]FZEA-USP, Pirassununga, SP, Brazil.*

31. **Nutritional characteristics of meat from lambs fed with biodiesel byproducts.** Roberta de Lima Valença*[1], Américo Garcia da Silva Sobrinho[1], Eliéder Prates Romanzini[1], Thiago Henrique Borghi[1], Nomaiací de Andrade[1], Nivea Maria Brancacci Lopes Zeola[1], Fernanda de Almeida Merlim[1], Vinícius da Silva Oliveira[2]. *[1]FCAV-Unesp, Jaboticabal, SP, Brazil, [2]UFBA, Salvador, BA, Brazil.*

32. **Dietary crude glycerin does not affect the fatty acid profile of meat from Ile de France lambs.** Thiago H. Borghi[*1], Américo G. da S. Sobrinho[1], Fernanda de A. Merlim[1], Nivea M. B. L. Zeola[1], Ana R. C. Lima[1] and Nomaicí Andrade[*1]. *[1]FCAV-Unesp, Jaboticabal, SP, Brazil.*

33. **Brazilian Red Propolis effects on feedlot lambs hematological parameters.** Flávio A. O. Baracho[1], Jennifer N. P. da Silva[1], Lays T. A. dos Santos[1], Ilza F. B. Duarte[1], João C. de G. C. Júnior[1], Luciano A. M. Grillo[1], Irinaldo D. Basílio Júnior[1], Patrícia M. G. Beelen*[1]. *[1]UFAL, Rio Largo, AL, Brazil.*

34. **Helmintofauna of goats reared in Vale do Sambito: preliminary results.** João Paulo Barbosa Cardoso*[1], José Adalmir Torres de Sousa[1], Yanne Aciole da Silva[1], Antônio de Sousa Júnior[3], Tatiana Saraiva Torres[1], Leandra Polliny Morais Machado[2] and Luciano Silva Sena[1]. *[1]CCA-UFPI, Teresina,PI, Brazil, [2]CPCE-UFPI, Bom Jesus, PI, Brazil, [3]CTT-UFPI, Teresina, PI, Brazil.*

35. **Sanitary profile of goat and sheep from Vale do Sambito, Piauí.** João Paulo Barbosa Cardoso*[1], Antônio de Sousa Júnior[2], Tatiana Saraiva Torres[1], Yanne Aciole da Silva[1], Leandra Polliny Morais Machado[2], José Adalmir Torres de Sousa[1] and Luciano Silva Sena[1]. *[1]CCA-UFPI, Teresina, PI, Brazil, [2]CTT-UFPI, Teresina,PI, Brazil, [3]CPCE-UFPI, Teresina,PI, Brazil.*

36. **Nematode infections in native and exotic goats from different age groups.** Patrícia Carvalho da Silva[1], Antônio de Sousa Júnior[2], and Maria Elizabete de Oliveira[3], Tatiana Saraiva Torres*[4] and Luciano Silva Sena[4]. *[1] Veterinary Medicine Undergraduate, UFPI, Teresina, PI, Brazil, [2]CTT-UFPI, Teresina, PI, Brazil, [3]DZO, UFPI, Teresina, PI, Brazil, [4]CCA-UFPI, Teresina, PI, Brazil.*

37. **Evaluation of passive immunity in newborn lambs fed ewes or cows colostrum.** Nivea Maria Brancacci Lopes Zeola*[1] , Américo Garcia da Silva Sobrinho[1] , Thiago Henrique Borghi[1] and Eliéder Prates Romanzini[1]. *[1]FCAV, Unesp, Jaboticabal, SP, Brazil*

38. **Impact of fetal programming on reproductive efficiency of Ile de France ewes.** Nomaiací de Andrade*[1]; Américo Garcia da Silva Sobrinho[1]; Priscila Arrigucci Bernardes[1]; Eliéder Prates Romanzini[1]; Roberta Lima Valença[1], Thiago Henrique Borghi[1], Fernanda de Almeida Merlim[1] and Nivea Maria Brancacci Lope Zeola[1]. *[1]FCAV-Unesp Jaboticabal, SP, Brazil.*

39. **Grazing behavior of lactating Murrah buffalo cows supplemented with cupuassu byproduct.** Luiza Flávia Mourão de Oliveira [1,4], Ana Karina Dias Salman[2], Pedro Gomes da Cruz[2], Viviane Gotardi Rocha[3,4], Maria Eduarda Cavalcante Araújo[3,4], Bianca Arruda Neto[3,4], Jucilene Cavali[3,5] and Marlos Oliveira Porto[3,5]. *[1]FIMCA, Porto Velho, RO, Brazil, [2]Researcher, EMBRAPA, Porto Velho, RO, Brazil, [3]UNIR, Presidente Médici, RO, Brazil, [4]Undergraduate student of Animal Science, [5]Professor of Animal Science.*

40. **Milk composition of Murrah buffalo cows supplemented with cupuassu byproduct in Western Amazon.** Luíza Flávia Mourão de Oliveira*[1,5], Ana Karina Dias Salman[3], Rudimar Giordani Junior[2,4], Jucilene Cavali[4,6], Cleverson Beck Lopes[4,5], Evely Caroliny Abatti Rodrigues[4,5], Fabricio Xavier Baier[5] and Marlos Oliveira Porto[4,6]. *[1]FIMCA, Porto Velho, RO, Brazil, [2]Graduate student of Post-graduation program in Environment Science, PGCA-UNIR, Rolim de Moura, Rondônia, Brazil, [3]Researcher, EMBRAPA, Porto Velho, RO, Brazil. [4]Federal University of Rondônia, UNIR, Presidente Médici, RO, Brazil, [5] Undergraduate student of Animal Science; [6]Professor of Animal Science.*

41. **Cupuassu byproduct in supplements for buffalo cows: milk yield and calf performance.** Cássia Caroline de Souza Saraiva*[1,4], Ana Karina Dias Salman[6], Rudimar Giordani Junior[2,3], Jucilene Cavali[3,5], Guliti Wandami dos Santos[3,4], Elvino Ferreira[3,5], Raul Dirceu Pazdiora[3,5], and Marlos Oliveira Porto[3,5]. *[1]FIMCA, Porto Velho, RO, Brazil, [2]Graduate student of Post-graduation program in Environment Science, PGCA-UNIR, Rolim de Moura, Rondônia, Brazil, [3]Federal University of Rondônia, UNIR, Presidente Médici, RO, Brazil, [4]Undergraduate student of Animal Science; [5]Professor of Animal Science. [6]Researcher, EMBRAPA, Porto Velho, RO, Brazil.*

42. **Dose-response of amylolytic enzyme on dry matter total apparent digestibility, and milk yield and composition of dairy cows.** Caio S. Takiya*[1], Gustavo D. Calomeni[1], Thiago H. Silva[1], Thiago H. A. Vendramini[1], Francisco P. Rennó[1]. *[1]FMVZ-USP, Pirassununga, SP, Brazil.*

43. **Dose-response of amylolytic enzyme on nitrogen utilization and live weight of dairy cows.** Caio S. Takiya*[1], Guilherme G. Silva[1], Carlos E. C. Consentini[1], Nathália T. Scognamiglio[1], Francisco P. Rennó[1]. *[1]FMVZ-USP, Pirassununga, SP, Brazil.*

44. **Effect of dietary RDP / RUP ratio and starch processing on dry matter intake, milk yield and milk heat stability of dairy cows.** Cristian M. de M. R. Martins*[1], Danielle de C. M. Fonseca[1], Gabriel C. Ferreira[1], Marcos A. Arcari[1], Bruna G. Alves[1], Katiéli C. Welter[1], Francisco P. Rennó, and Marcos V. dos Santos. *[1]FMVZ-USP, Pirassununga, SP, Brazil. [2]FZEA-USP, Pirassununga, SP, Brasil.*

45. **Plasmatic biochemical profile of lactating Holstein cows supplemented with chitosan and raw soybeans.** Elissandra M. C. Zílio*[1] , Filipe Zanferari[1] , Thiago H. A. Vendramini[1] , Mariana F. Rentas[1] , Gustavo D. Calomeni[1] , Lenita C. Verdurico[1], Marisa M. França[2] , and Francisco P. Rennó[1]. *[1]FMVZ-USP, Dept. of Nutrition and Animal Production, Pirassununga, SP, Brazil. [2] FZEAUSP, Dept. of Animal Science, Pirassununga, SP, Brazil*

46. **Chitosan inclusion in diets of Holstein cows increase unsaturated total fatty acids and conjugated linoleic acid on milk fat profile.** Filipe Zanferari*[1], Thiago H. A. Vendramini[1], Thiago H. da Silva[1], Mariana F. Rentas[1], Rodrigo Gardinal[1], Bruna G. Alves[1], Nathália T. Scognamiglio[1], and Francisco P. Rennó[1]. *[1]FMVZ-USP, Dept. of Nutrition and Animal Production, Pirassununga, SP, Brazil.*

47. **Cellulolytic enzyme in diets based on sugarcane or corn silage for dairy heifers: Dry matter and nutrients intake.** Guilherme Aragão Miranda[1], Letiane Salinas Gimenes[1], Hayne Araki[1], Fernando Junqueira Franco[3], Caio Seiti Takiya[2], Rafael Henrique T. B. Goes[1], Euclides Reuter de Oliveira[1], Jefferson Rodrigues Gandra*[1]. *[1]Faculdade de Ciências Agrárias, Universidade Federal da Grande Dourados, Rodovia Dourados-Itahum, km 12, CEP: 79804-970, Dourados, MS, Brasil. [2]Universidade de São Paulo, Av. Duque de Caxias Norte, 225 - Campus da USP, CEP: 13635-900, Pirassununga, SP, Brasil. [3]Alltech do Brasil Agroindustrial Ltda. Rua Curió, 312,Bairro Capela Velha. CEP: 83705 552, Araucária, PR, Brasil*

48. **Cellulolytic enzyme in diets based on sugarcane or corn silage for dairy heifers: Total tract digestion.** Guilherme Aragão Miranda[1], Letiane Salinas Gimenes[1], Hayne Araki[1], Fernando Junqueira Franco[3], Caio Seiti Takiya[2], Rafael Henrique T. B. Goes[1], Euclides Reuter de Oliveira[1], Jefferson Rodrigues Gandra*[1]. *[1]Faculdade de Ciências Agrárias, Universidade Federal da Grande Dourados, Rodovia Dourados-Itahum, km 12, CEP: 79804-970, Dourados, MS, Brasil. [2]Universidade de São Paulo, Av. Duque de Caxias Norte, 225 - Campus da USP, CEP: 13635-900, Pirassununga, SP, Brasil. [3]Alltech do Brasil Agroindustrial Ltda. Rua Curió, 312,Bairro Capela Velha. CEP: 83705 552, Araucária, PR, Brasil*

49. **Growth performance in Crossbred (Holstein x Gyr) dairy heifers differing in phenotypic residual feed intake.** Paulo Campos Martins*[1], Mariana Magalhães Campos[2], Juliana Aparecida Mello Lima[2], Fernanda Samarini Machado[2], Luiz Gustavo Ribeiro Pereira[2], Thierry Ribeiro Tomich[2], Alexandre Lima Ferreira[2], Sandra Gesteira Coelho[1]. *[1]UFMG, Belo Horizonte, MG, Brazil1, [2]Embrapa Dairy Cattle, Juiz de Fora, MG, Brazil*

50. **Infrared thermography in Crossbred (Holstein x Gyr) dairy heifers differing in phenotypic residual feed intake.** Paulo C. Martins*[1], Mariana M. Campos[2], Juliana A. M. Lima[2], Fernanda S. Machado[2], Luiz G. R. Pereira[2], Thierry R. Tomich[2], Fernando P Possas[2], Sandra G. Coelho[1]. *[1]UFMG, Belo Horizonte, MG, Brazil, [2]Embrapa Dairy Cattle, Juiz de Fora, MG, Brazil*

51. **Physiologic, Health, and Production Responses of Dairy Cows Supplemented with an Immunomodulatory Feed Ingredient During the Transition Period.** Alice P. Brandão[1*], Reinaldo F. Cooke[2], Tiago Leiva[1], Taís I. Corrêa[1], Franciele C. Firmino[1], Luiz F. D. Batista[1] , Rafaela Dias Bertin[1] and José L.M. Vasconcelos[1]. *[1]UNESP - FMVZ, Botucatu, SP, Brazil, [2]Oregon State University - EOARC Burns, Burns, OR, EUA*

52. **Effects of Omnigen-AF supplementation on body temperature, milk production, and somatic cell count in lactating dairy cows.** Tiago Leiva[1], Reinaldo F. Cooke[2], Alice P. Brandão[1*], Rodrigo O. Rodrigues[1], José R. Gandin Jr.[1], João P. A. Lorenço[1], Vitor S. M. Ferreira[1] and José L.M. Vasconcelos[1]. *[1]FMVZ UNESP, Botucatu, SP, Brazil, [2]Oregon State University EOARC Burns, Burns, OR*

53. **Effect of phosphorus supplementation on nutrient intakes and dry matter digestibility by Nellore steers in a feedlot under Brazilian conditions.** Vinícius C. Souza*[1], Yury T. Granja-Salcedo[1], Bruno R. Vieira[1], Laís O. Lima[2], Lucas R. Rebelo[1], Raphael S. Gomes[2], Pedro Malafaia[3], and Telma T. Berchielli[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]UENF, Campos dos Goytacazes, RJ, Brazil, [3]UFRRJ, Seropédica, RJ, Brazil.*

54. **Body tissues and internal organs of young Nellore bulls from low and high residual feed intake classes.** Sarah F. M. Bonilha*[1], Heloisa A. Fidelis[1], Luís O. Tedeschi[2], Renata H. Branco[1], Joslaine N. S. G. Cyrillo[1], and Maria Eugênia Z. Mercadante[1]. *[1]Intituto de Zootecnia, CAPTA Bovinos de Corte, Sertãozinho, SP, Brazil, [2]Texas A&M University, College Station, TX, USA.*

55. **Multivariate analysis applied on the morphometry of Nellore cattle hooves raised in feedlot and pasture.** Fabiana Cirino dos Santos[1], Lizandra Amoroso[*1], Antônio Sérgio Ferraudo[1], Antônio José Neto[1], Luis Gustavo Rossi[1], Silvana Martinez Baraldi Artoni1, Beatriz Almeida Rodrigues[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

56. **Effect of whole cottonseed, vitamin E and length of finishing in carcass and beef traits of Nellore cattle.** Adrielle M. Ferrinho*[1], Maísa L. N. Furlan[1], Beatriz M. Toda[1], Felipe B. Mendonça[1], Lenise F. Mueller[1], Joyce J. M. Furlan[1], Mariana Zanata[1], Fernando Baldi[2] and Angélica S. C. Pereira[1]. *[1]FZEA,University of Sao Paulo, Pirassununga, SP, Brazil, [2]FCAV, Sao Paulo State University, SP, Jaboticabal, Brazil*

57. **Carcass traits of feedlot Nellore bullocks fed with two different types of ruminally protected fat.** Felipe de Almeida Nascimento*[1], Aline Domingues Moreira[1], Fernanda Diamantino Santos[2], Rodrigo Dias Lauritano Pacheco[3], Bradley J. Johnson[4], Flavio Dutra de Resende[1,5], Gustavo Rezende Siqueira[1,5]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]UNIFEB, Barretos, SP, Brazil, [3]EMPAER, MT, Brazil, [4]Texas Tech University, Texas, USA, [5]APTA-Polo Alta Mogiana - Colina, SP, Brazil.*

58. **Crude glycerin combined with virginiamycin on carcass traits of young Nellore bulls fed with high-grain diets.** Pablo S. Castagnino*[1], Erick D. Escobar[1], Elias San Vito[1], Ana V. L. Dias[1], Lais O. Lima[1], Amanda Mantovani[1], Sergio B. G. P. N. Pereira[1], and Telma Teresinha Berchielli[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil,*

59. **Carcass gain of Nellore bullocks finished on pasture fed with different supplementation levels and additives.** Renan Lucas Miorin*[1,2], Letícia Custódio[1,2], Danúbia Nogueira Figueira[1,2], João Alexandrino Alves Neto[3], Aline Domingues Moreira[1,2], Michele Aparecida Prado Alves[4], Flávio Dutra de Resende[1,2] and Gustavo Rezende Siqueira[1,2]. *[1]FCAV-UNESP, Jaboticabal, [2]APTA-Polo Alta Mogiana, Colina-SP, [3]Campo Rações e Minerais LTDA, UNIFEB-Barretos[4]*

60. **Performance and carcass traits of crossbred cattle raised in pastures supplemented or not with virginiamycin.** Georg Altrak[1], Ricardo Favero[2], Gilberto Romeiro de Oliveira Menezes[3], Ricardo Kazama[1*], Marcus Vinicius Garcia Niwa[4], Marina de Nadai Bonin[4], Max Wender França Martins[5], Rodrigo da Costa Gomes[3]. *[1]Universidade Federal de Santa Catarina, UFSC, Florianópolis, Santa Catarina, Brazil, [2]Universidade Estadual de Londrina, UEL, Londrina, PR, Brazil, [3]Embrapa Gado de Corte, CNPGC, Campo Grande, MS, Brazil, [4]Universidade Federal de Mato Grosso do Sul, UFMS, Campo Grande, MS, Brazil, [5]Universidade Católica Dom Bosco, UCDB, Campo Grande, MS, Brazil.*

61. **Effect of the pasture supplementation strategy in the growing period on performance and carcass traits of crossbred cattle finished in feedlot.** Georg Altrak[1], Ricardo Favero[2], Gilberto Romeiro de Oliveira Menezes[3], Roberto Augusto Torres Júnior[3], Gelson Luiz Dias Feijó[3], Maria Betânia Niehues[1], Max Wender França Martins[4], Ricardo Kazama[1*]. *[1]Universidade Federal de Santa Catarina, UFSC, Florianópolis, SC, Brazil, [2]Universidade Estadual de Londrina, UEL, Londrina, PR, Brazil, [3]Embrapa Gado de Corte, CNPGC, Campo Grande, MS, Brazil, [4]Universidade Católica Dom Bosco, UCDB, Campo Grande, MS, Brazil.*

62. **Meat quality of Nelore bulls finished on pasture fed with different supplementation levels and additives.** Danúbia Nogueira Figueira*[1,2], Letícia Custódio[1,2], Renan Lucas Miorin[1,2], João Alexandrino Alves Neto[3], Matheus Henrique Morette[4], Paloma Helena [1,2], Gustavo Rezende Siqueira[1,2] and Flávio Dutra de Resende[1,2]. *[1]FCAV-UNESP, Jaboticabal,[2]APTA-Polo Alta Mogiana, Colina-SP, [3]Campo Rações e Minerais LTDA, [4]Agroceres.*

63. **Shear force of meat from young bulls finished in feedlot with high-concentrate diet and cinnamon essential oil (*Cinnamomum zeylanicum*).** Juliana A. Torrecilhas[1*], Camila Mottin[2], Rodrigo A. C. Passetti[2], Mariana G. Ornaghi[2], Tatiane R. Ramos[2], Marisa A. Pereira[2], Ivanor N. do Prado[2], and Telma T. Berchielli[1]. *[1]College of Agrarian Sciences and Veterinary Sciences, State University of Sao Paulo, FCAV-UNESP, Jaboticabal, SP, Brazil, [2]UEM, Maringá, PR, Brazil.*

64. **Carcass characteristics of pasture-finished Nellore cattle under different nutritional plans.** Paloma Helena Gonçalves *[1], Michele Aparecida Prado Alves[2], Ivanna Moraes de Oliveira[2], Rodolfo Maciel Fernandes[1], Letícia Leal de Oliveira[3], Carlos Carvalho Marcolino[3], Flávio Dutra de Resende[1,2], Gustavo Rezende Siqueira[1,2]. *[1]FCAV-UNESP, Jaboticabal/SP, Brazil. [2]APTA, Polo Alta Mogiana, Colina/SP, Brazil. [3]UNIFEB, Barretos/SP, Brazil.*

65. **Meat chemical composition and tenderness of bovine growing in pasture during the wet season receiving supplementation and finished on pasture or feedlot.** Rhaony Gonçalves Leite*[1], Adriana Cristina Ferrari[1], Lutti Maneck Delevatti[1], Elias San Vito[1], Ariana Desie Toniello[1], Diego Monteira Renesto[1], Josiane Fonseca Lage[2] and Ricardo Andrade Reis[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2] Supervisor of research and development of products – beef cattle, Bellman/TrouwNutrition, Campinas, SP, Brazil.*

66. **Intake and apparent digestibility of inoculated corn silage in sheep in Brazil: a meta-analysis.** Carlos H. S. Rabelo*[,1], Carla J. Härter[1], and Ricardo A. Reis[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

67. **A meta-analytical study about the impact of homofermenters bacteria on the chemical composition and fermentation of corn silage in Brazil.** Carlos H. S. Rabelo*[,1], Carla J. Härter[1], and Ricardo A. Reis[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

68. **Chemical composition and fermentation end-products of corn silage inoculated with *Lactobacillus plantarum* and *Bacillus subtilis* in farm silos.** Erika C. Lara*[1], Uly C. Bragiato[1], Lara B Costa[1], Carlos H. S. Rabelo[1], Velizie C. Bazquez[1], Ricardo A. Reis[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

69. **Nutrients intake of lambs fed corn silage with or without microbial inoculants and sprayed with amylolytic enzyme.** Erika C. Lara*, Uly C. Bragiato, Caroline A. Garcia, Thomaz M. Sena, Lara B. Costa, Carlos H. S. Rabelo, Andressa F. Campos, Ricardo A. Reis. *FCAV-UNESP, Jaboticabal, SP, Brazil.*

70. **Nutritional value and fermentative profile of elephant grass silage under levels of crude glycerine.** Flávio P. Monção*[1], João P. S. Rigueira[2], Eleuza C. J. de Sales[2], Daniel A. de A. Pires[2], Dorismar D. Alves[2], Vicente R. Rocha Júnior[2], Sidnei T. dos Reis[3] and Euclides R. de Oliveira[4]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]UNIMONTES, Janaúba, MG, Brazil, [3] UFS, São Cristovão, SE, Brazil. [4] UFGD, Dourados, MS, Brazil*

71. **Chemical composition and fermentative losses of sugarcane silage on the crude glycerin levels.** Flávio P. Monção[1*], Lara Brant[2], João P. S. Rigueira[2*], Eleuza C. J. de Sales[2], Daniel A. A. Pires[2], Dorismar D. Alves[2], Vicente R. Rocha Júnior[2], and Naiara C. da Silva[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]UNIMONTES, Janaúba, MG, Brazil*

72. **Reduction of fermentation losses in sweet sorghum silages using ground corn.** Marco A. P. Orrico Junior[1*], Marciana Retore[2], Ana Carolina A. Orrico[1], Franciely de O. Neves[1], Carla Crone[1], Adriano P. da Silveira[1], Alice W. Schwingel. *[1] FCA – UFGD, Dourados, MS, Brazil. [2] EMBRAPA-CNPAO, Dourados, MS, Brazil*

73. **Influence of storage time and use of inoculant *L. buchneri* on fermentative characteristics of high-moisture corn and reconstituted corn silages.** Naiara C. da Silva*[1], Vinicius M. de Almeida[4], Cleisy F. do Nascimento[1], Felipe de A. Nascimento[1], Isabela Tomerotti[2], João L. P. Daniel[5], Flávio D. de

Resende[1,3], and Gustavo R. Siqueira[1,3]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]UNIFEB, Barretos, SP, Brazil, [3]APTA, Polo Alta Mogiana, Colina, SP, Brazil, [4]Veterinarian, [5]UEM, Maringá, PR, Brasil.*

74. **Nutritional value of corn silage with Brachiarias and pigeonpea intercrops in the crop-livestock system.** Vinicius Carreteiro Gomes[1]*, Paulo Roberto de L. Meirelles[2], Maria Eugênia Z. Mercadante[1], Raquel Vasconcelos Lourençon[2], Natalia Santos Leal[2], Ciniro Costa[2], Erikelly Aline Ribeiro de Santana[2], André Michel de Castillos[2]. *[1]Instituto de Zootecnia (IZ), APTA Nova Odessa, SP, Brazil. [2]Universidade Estadual Paulista "Julio de Mesquita" (UNESP), Faculdade de Medicina Veterinária e Zootecnia (FMVZ), Botucatu, SP, Brazil.*

75. **Nutritional composition and *in vitro* digestibility of rehydrated corn grain silages with addition of soybean by-product.** Viviane C. Gritti*[1], Tamara T. Tres[2], Clóves C. Jobim[1], Fernando A. Jacovaci[1], Antônio V. I. Bueno[1], Matheus G. Ribeiro[1] and Dheyme C. Bolson[1]. *[1]UEM, Maringá, PR, Brazil, [2]UDESC, Chapecó, SC, Brazil*

Friday, June 10 - Session I (11:00 - 12:00)

Physiology and Biometeorology, Ambience, and Animal Welfare

1. **Effect of stress on the gene expression of IGF-1, Bax and Bcl-2 in mammary tissue of goats at 60th days of lactation.** Gabriela F. Bomfim*[1], Giovana K. F. Merighe[2], Fernando C. Rohwedder[2] e João A. Negrão[2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]FZEA-USP, Pirassununga, SP, Brazil.*

2. **Effect of different levels of cortisol about the viability of goat mammary epithelial cells at 60th and 180th days of lactation.** Gabriela f. Bomfim*[1], Giovana K. F. Merighe[2], Iago V. T. Carraschi[2], Fernando C. Rohwedder[2], João A. Negrão[2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]FZEA-USP, Pirassununga, SP, Brazil*

3. **Thermoregulatory and blood osmolality consequences of salt loading in chicks *(Gallus gallus).*** Giuliana M. A. Garcia*[1,2], Lucas A. Zena[2,3], Lara Amaral[1,2], Kênia C. Bícego[1, 2]. *[1]FCAV-UNESP, Jaboticabal, SP, [2] Brazil, National Institute of Science and Technology in Comparative Physiology (INCT-Fisiologia Comparada). Brazil. [3]PIPGCF-UNESP/UFSCAR, Jaboticabal, SP*

4. **Cardiorespiratory and thermal responses to hypercapnia of broiler chicks exposed to CO_2 in the incubation.** Lívia P. Espinha[1], Kassia M. Santos*[1], Vitor R. de Almeida[1], Kênia C. Bícego[1], Marcos Macari[1], Luciane H. Gargaglioni[1], Glauber S. F. da Silva[1]. *[1] Department of Animal Morphology and Physiology, São Paulo State University - (UNESP / FCAV), Jaboticabal, SP, Brazil;*

5. **Influence of gonadal Hormones in Ventilatory Responses to Hypercapnia in Wistar rats.** Danuzia A. Marques*[1], Debora de Carvalho[1], Kenia Bicego[1] and Luciane Gargaglioni[1].*[1]Animal Morphology and Physiology São Paulo State University Jaboticabal Brazil*

6. **The inclusion of liquid hatchery waste increases the breakdown of solids and biogas production in anaerobic co-digestion with bovine waste.** Ana Carolina Amorim Orrico[1*], Walter Renato Teixeira Lopes[1], Marco Antonio Previdelli Orrico Junior[1], Rodrigo Garófallo Garcia[1,] Jorge de Lucas Junior[2], Jaqueline Lagemann de Andrade[1], Aline Rodrigues Torres[1], Andressa Genezini[1]. *[1] FCA – UFGD, Dourados, MS, Brazil. [2]FCAV-UNESP, Jaboticabal, SP, Brazil*

7. **Liquid hatchery waste improves the breakdown of volatile solids and increases methane production in co-digestion with bovine waste.** Ana Carolina Amorim Orrico[1*], Walter Renato Teixeira Lopes[1], Marco Antonio Previdelli Orrico Junior[1], Rodrigo Garófallo Garcia[1,] Jorge de Lucas Junior[2], Débora Maurício Manarelli[1], Luana Pael Costa[1], Juliana Dias de Oliveira[1]. *[1] FCA – UFGD, Dourados, MS, Brazil. [2]FCAV-UNESP, Jaboticabal, SP, Brazil*

8. **Heat exchange mechanisms of native hairy sheep in a tropical environment.** Jacinara Hody Gurgel Morais Leite[1], Débora Andrea Evangelista Façanha[1]*, Roberto Gomes da Silva[1], Wallace Sostene Tavares da Silva[1], Wilma Emanuela da Silva[1], Renato Diógenes Macedo Paiva[1], Josiel Borges Ferreira[1], Thyarlon Bergson Chaves Lima[2], Luis Alberto Bermejo Asensio[3]. *[1]UFERSA, Mossoró, RN, Brazil. [2]UVA, Sobral, CE, Brazil,[3]ULL, La Laguna, Canaria, Spain*

9. **Seasonal variation of thermoregulatory characteristics of hair sheep in semiarid environment.** Wilma Emanuela da Silva[1], Débora Andréa Evangelista Façanha[*1], Josiel Borges Ferreira , Walace Sostene Tavares da Silva[1], Jacinara Hody Gurgel Morais Leite[1] , Renato Diógenes Macedo Paiva[1]. *[1]*UFERSA*, Mossoró, RN, Brazil*

10. **Acid-basic equilibrium associated to evaporative thermolysis in Brazilian locally adapted ewes.** Débora Andréa Evangelista Façanha[*1]; Fabrício Xavier Morais[1]; José Moreira de Oliveira Filho[1]; Chromácio Calafange Medeiros[1]; Jacinara Hody Gurgel Morais Leite[1]; Josiel Borges Ferreira[1]; Wilma Emanuela da Silva[1], José Ernandes Rufino de Sousa[1]. *[1]*UFERSA*, Mossoro, RN, Brazil*

11. **Influence of the Rainy Season in Marajó Island, Pará, Brazil on the Thermal Comfort of Buffalo Heifers in Two Rearing Systems.** Diego V. Vasconcelos[1], Letícia G. Athaíde*[2], Jamile A. R. da Silva[1], Antônio Vinícius C. Barbosa[1], Yan Carlos C. Cruz [1] , Rafaella de Paula P. Noronha[1], and Carla Osana R. Adami[1]. *[1]UFRA, Belém, PA, Brazil, [2]UFPA, Castanhal, PA, Brazil.*

12. **Thermal Comfort of Crossbred Dairy Cows with Different Furs and Shade Availability in the Climate Conditions of Paragominas, Pará, Brazil.** Juliana Cristina de C. Budel[1], Geisielly S. Araújo[1], Núbia de Fátima A. dos Santos[3], José de B. Lourenço Junior[1], Jamile A. R. da Silva[2], Antônio Vinícius C. Barbosa[2], Letícia G. Athaíde[1]*. *[1]UFPA, Castanhal, PA, Brazil, [2]UFRA, Belém, PA, Brazil, [3]UFRA, Paragominas, PA, Brazil.*

13. **Assessment of the Thermal Environment for Rearing Horses in Ananindeua, Pará, Brazil.** Letícia G. Athaíde*[1], Jamile A. R. da Silva[2], José de B. Lourenço Júnior[1], Lucieta Guerreiro Martorano[3], Messy H. A. Pantoja[1], Waléria Cristina L. Joset[2], and Yan Carlos C. Cruz[2]. *[1]UFPA, Castanhal, PA, Brazil, [2]UFRA, Belém, PA, Brazil, [3]Embrapa Eastern Amazon, Belém, PA, Brazil.*

14. **Correlations between Climate and Physiological Variables of Horses Reared in the Eastern Amazon.** Letícia G. Athaíde*[1], Jamile A. R. da Silva[2], José de B. Lourenço Júnior[1], Lucieta Guerreiro Martorano[3], Messy H. A. Pantoja[1], Yan Carlos C. Cruz[2], and Waléria Cristina L. Joset[2]. *[1]UFPA, Castanhal, PA, Brazil, [2]UFRA, Belém, PA, Brazil, [3]Embrapa Eastern Amazon, Belém, PA, Brazil.*

15. **Bioclimate diagnosis for broilers in the Amazon region.** José Anchieta de Araujo*[1], Andressa Fernandes Monção[1], Romero Kadran Rodrigues Vieira[1]. *[1]Universidade Federal do Sul e Sudeste do Pará (FCAM/IEDAR/UNIFESSPA).*

16. **Aluminum sulfate and stocking density effects on poultry litter characteristics.** Joyce J. M. Furlan[1], Adrielle M. Ferrinho*[2], Lenise F. Mueller[2], Maisa L. N. Furlan[2], Mariana Zanata[2], Marina Colucci Izeppi[2], Fernando Baldi[3], and Angélica S. C. Pereira[1]. *[1]FMVZ-USP, Pirassununga, SP, Brazil, 2FZEA-USP, Pirassununga, SP, Brazil; 3FCAV-UNESP, Jaboticabal, SP, Brazil.*

17. **Drip loss and breast fillets (*Pectoralis major*) colouring of two commercial broiler lines submitted to different heat exposure times.** Luciana Ruggeri Menezes Gotardo[1], Mara Regina Bueno de Mattos Nascimento[1], João Paulo Rodrigues Bueno[1], Aline Monteiro dos Santos[1], Otávio Cintra Lemos Olivieri*[1], and Rodrigo Lemos Olivieri Rodrigues Alves[1]. *[1]FAMEV-UFU, Uberlândia, MG, Brazil.*

18. **Poultry raising on perforeted plastic floor and this effect on the concentration of ammonia and carbon dioxide in facilities kept in thermal comfort temperature.** Eduardo Alves de Almeida*[1], Lilian Francisco Arantes[1], Aline Cristina Sant´anna[2], Renato Luis Furlan[1], Marcos Macari[1]. *[1]Departamento de Morfologia e Fisiologia Animal, FCAV, UNESP, Jaboticabal, SP, Brazil; [2]Departamento de Zootecnia, FCAV, UNESP, Jaboticabal, SP, Brazil*

19. **Effect of the conventional poultry litter replacement per plastic floor drilled on the performance of broiler chickens raised in thermal comfort.** Eduardo Alves de Almeida*[1], Raphael Nogueira Bahiense[2], Lilian Francisco Arantes[1], Aline Cristina Sant´anna[3], Renato Luis Furlan[1], Marcos Macari[1]. *[1]Departamento de Morfologia e Fisiologia Animal, FCAV, UNESP, Jaboticabal, SP, Brazil; [2]Universidade Federal de Minas Gerais, ICA/UFMG, Montes Claros, MG, Brazil,[3]Departamento de Zootecnia, FCAV, UNESP, Jaboticabal, SP, Brazil*

20. **Thermal Behaviour of fiber cement tiles and metallic tiles with simple and double layers.** Eduardo Alves de Almeida*[1], Fernando Augusto de Souza[1], Adhemar Pitelli Milani[2], Renato Luis Furlan[1], José Eduardo Piteli Turco[2]. *[1]Departamento de Morfologia e Fisiologia Animal, FCAV, UNESP, Jaboticabal, SP, Brazil; [2]Departamento de Engenharia Rural, FCAV, UNESP, Jaboticabal, SP, Brazil*

21. **Prediction of respiratory rate and body temperature of pigs in heat stress using fuzzy system.** Rodrigo F. Oliveira*[1], Rony A. Ferreira[2], Lucas H. P. Abreu[2], Tadayuki Y. Júnior[2], Dian Lourençoni[2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]UFLA, Lavras,MG, Brazil.*

22. **Internal Temperature of Girolando (Holstein×Gir) heifers in integrated crop, livestock (ICLS) and forestry (ICLFS) systems.** Cássia Caroline de Souza Saraiva*[1], Ana Karina Dias Salman[2], Pedro Gomes da Cruz[2], Hemerson Maciel Veit[3], Henrique Nery Cipriani[2], Giovanna Araújo de Carvalho[1], Elaine Coimbra de Souza[1,5] and Eduardo Schmitt[4]. *[1]Undergraduate student of Animal Science, FIMCA, Porto Velho, RO, Brazil, [2]Researcher, EMBRAPA, Porto Velho, RO, Brazil, [3]Graduate student, PPGCA – UNIR, Rolim de Moura, RO, Brazil,[4]UFPel, Pelotas, RS, Brazil, [5]FAPERO scholarship*

23. **Association between temperament, physiological indicators of stress and growth in beef cattle.** Anielly de Paula Freitas[1*], Maria Lucia Pereira Lima[1], Gabriela Geraldi Mendonça[1], Natália Trevizan[1], Bianca Vilela Pires[1], Flávia Fernanda Simili[1] and Claudia Cristina Paro de Paz[1,2]. *[1]Instituto de Zootecnia, IZ/APTA, Centro APTA Bovinos de Corte, Sertãozinho, SP, Brazil, [2]Faculdade de Medicina de Ribeirão Preto, FMRP/USP, Ribeirão Preto, SP, Brazil.*

24. **Individual aggressive behavior of zebu bulls in pre-slaugter pens and its relationship to meat pH.** Claudia Córdoba Escobar[1,2], Guillermo Correa Londoño[3,5], Rolando Barahona-Rosales[4,5], Ariel Tarazona Morales[2,4,5*]. *[1]HTM Group Foundation, [2]BIOGENESIS Research Group, [3]Departamento de Ingeniería Agronómica, [4]Departamento de Producción Animal [5]Facultad de Ciencias Agrarias, Universidad Nacional de Colombia, Medellín, Colombia.*

25. **Zebu group behavior during the pre-slaughter pens waiting.** Claudia Córdoba Escobar[1,2], Guillermo Correa Londoño[3,5], Rolando Barahona-Rosales[4,5], Ariel Tarazona Morales[2,4,5*]. *[1]HTM Group Foundation, [2]BIOGENESIS Research Group, [3]Departamento de Ingeniería Agronómica, [4]Departamento de Producción Animal [5]Facultad de Ciencias Agrarias, Universidad Nacional de Colombia, Medellín, Colombia*

26. **Effect of meteorological parameters above core body temperature of dairy cattle under tropical conditions.** Esteban Gil Restrepo[1], Ariel Tarazona Morales[2,3,4*]. *[1]BIOGENESIS research group, [2]Departamento de Producción Animal, [3]Facultad de Ciencias Agrarias, Universidad Nacional de Colombia, Medellín, Colombia*

27. **Influence of prenatal disease challenge during pregnancy on maternal care of sheep.** Cristiane G. Titto*[1], Fábio L. Henrique[1], Evaldo A. L. Titto[1], Henrique B. Hooper[1], Lina F. Pulido-Rodriguez[1], Thays M. C. Leme-dos Santos[1], Alfredo M. F. Pereira[2], Adroaldo J. Zanella[3]. *[1]FZEA/USP, Pirassununga, SP, Brazil, [2]Universidade de Évora, Évora, Portugal, [3]FMVZ/USP, Pirassununga, SP, Brazil*

28. **Effect of birth order and dominance hierarchy of mare on proximity of the foal from birth until weaning.** Cristiane G. Titto,1*, Raquel F. Calviello[1], Evaldo A. L. Titto[1], Alfredo M. F. Pereira[2]. *[1]FZEA/USP, Pirassununga, SP, Brazil, [2]Universidade de Évora, Évora, Portugal*

29. **Performance, carcass and meat quality traits of Nellore bulls immunocastrated at different ages.** Douglas Henrique Silva de Almeida[1,2], Fernanda Macitelli Benez[1,4], Janaina da Silva Braga[1,3], Arquimedes José Riobueno Pellecchia[1]and Mateus José Rodrigues Paranhos da Costa[1,3]. *[1]ETCO, Grupo de Estudos e Pesquisas em Etologia e Ecologia Animal, [2]Programa de Pós-Graduação em Zootecnia, FCAV, UNESP, Jaboticabal-SP, Brazil, [3]Departamento de Zootecnia, FCAV, UNESP, Jaboticabal, SP, Brazil. [4]UFMT-Campus Universitário de Rondonópolis, Rondonópolis, MT, Brazil.*

30. **The role of combinations between fasting intervals and lairage times on pigs' welfare, stomach content and carcass and meat quality.** Filipe Antonio Dalla Costa*[1,2], Osmar Antonio Dalla Costa[3], Arlei Coldebella[3], Antonio Guidoni[3] (in memorian), Eliane Bodanese[4], Adriano Cleiton Holdefer[5], and Arlan Marcos Lorenzzetti[5]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]ETCO, Jaboticabal, SP, Brazil, [3]EMBRAPA Swine and Poultry, Brazil, [4]Cooperativa Central Aurora Alimentos, Brazil, [5]Cooperativa de Produção e Consumo Concórdia - Copérdia, Brazil*

31. **The evaluation of bone composition and carcass quality traits on back fracture in pigs stunned using electrical system.** Filipe Antonio Dalla Costa*[1,2], Osmar Antonio Dalla Costa[3], Gustavo Júlio Mello de Lima[3], Arlei Coldebella[3], Eliane Renuncio[4], Adriano Cleiton Holdefer[5], and Arlan Marcos Lorenzzetti[5]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]ETCO, Jaboticabal, SP, Brazil, [3]EMBRAPA Swine and Poultry, Brazil, [4]Cooperativa Central Aurora Alimentos, Brazil, [5]Cooperativa de Produção e Consumo Concórdia - Copérdia, Brazil*

32. **Using qualitative behavior assessment to characterize maternal protective behavior in Nellore cows.** Franciely Costa[1,2], Tiago Valente*[1], Karen Góis[1], Maria Camila Ceballos[1], Marcia del Campo[2], and Mateus Paranhos da Costa[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]INIA, Tacuarembó, Uruguay.*

33. **Use of qualitative behavior assessment to evaluate the maternal protective behavior in dairy and beef cattle - A preliminary study.** Franciely Costa*[1,2], Karen Camille Góis[1], Maria Camila Ceballos[1], Tiago Valente[1], Aline Sant'Anna[1,3], Marcia del Campo[2], and Mateus Paranhos da Costa[1]. *[1]Grupo de Estudos e Pesquisas em Etologia e Ecologia Animal, Departamento de Zootecnia, FCAV, UNESP, Jaboticabal, SP, Brasil. [2]Instituto Nacional de Investigación Agropecuária, Tacuarembó, Uruguay. [3]UFJF, Departamento de Zoologia, Juiz de Fora, MG, Brasil.*

34. **Relationship between maternal protective behavior and milking reactivity of Girolando cows – A preliminary study.** Karen Camille Góis[1], Maria Camila Ceballos[1], Aline Sant'Anna[1,2], Tiago Valente[1], Douglas Henrique Almeida[1] and Mateus Paranhos da Costa[1]. *[1]Grupo de Estudos e Pesquisas em Etologia e Ecologia Animal, Departamento de Zootecnia, FCAV, UNESP, Jaboticabal, SP, Brasil. [2]UFJF, Departamento de Zoologia, Juiz de Fora, MG, Brasil.*

35. **Association between temperament and reproductive performance of Girolando bulls.** Monique Carvalhal*[1,3], Aline Sant'Anna[2,3], Lívia Carolina Magalhães Silva[3], Marcos Brandão Dias Ferreira[4], Marcos Vinícius Gualberto Barbosa da Silva[5], Mateus José Rodrigues Paranhos da Costa[3,6]. *[1]Estudante do programa de Pós-Graduação em Zootecnia, Faculdade de Ciências Agrárias e Veterinárias, UNESP, 14884-900 - Jaboticabal, SP - Brasil; [2]Professora do Departamento de Zoologia, ICB-Universidade Federal de Juiz de Fora, Juiz de Fora, MG - Brasil; [3]Grupo de Estudos e Pesquisas em Etologia e Ecologia Animal (Grupo ETCO);[4]Empresa de Pesquisa Agropecuária de Minas Gerais-EPAMIG, 31170-495-Belo Horizonte, MG- Brazil [5] Empresa Brasileira de Pesquisa Agropecuária, Centro Nacional de Pesquisa de Gado de Leite, 36038-330 - Juiz de Fora, MG – Brasil; [6]Professor do Departamento de Zootecnia, Faculdade de Ciências Agrárias e Veterinárias, UNESP, 14884-900 - Jaboticabal, SP – Brasil.*

36. **Infrared thermography as indicator of physical effort in horses.** Pedro Henrique Esteves Trindade*[1] ; Maria Camila Ceballos[1] ; Antonio Sergio Ferraudo[1], Maria Lúcia Pereira Lima[2], Guilherme de Camargo Ferraz[1], Mateus J. R. Paranhos da Costa[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil. [2] Instituto de Zootecnia, Sertãozinho, SP, Brazil*

37. **Use of multivariate analysis to characterize the handling traits of stabled horses.** Pedro Henrique Esteves Trindade*[1]; Filipe Antonio Dalla Costa[1]; Antonio Sergio Ferraudo[1] Daniel Bartole de Sousa[2]; Mateus J. R. Paranhos da Costa[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]Federal University of Goiás, Campus Jataí, GO, Brazil.*

38. **Temperament of Guzerá cows and heifers.** Rogério R. Vicentini* [1], Luana L. Souza[1], Maria Gabriela C. D. Peixoto[2], Diana C. F. Oliveira[3], Frank A. T. Bruneli[2], Maria Luiza Franco4 , Maria de Fátima A. Pires[2]. *[1]Pós Graduando, Instituto de Zootecnia (IZ), Centro APTA Bovinos de Corte, Sertãozinho, SP, Brazil, [2]Pesquisador, Embrapa Gado de Leite, Juiz de Fora, MG, Brazil, [3]Pós Graduanda, UFVJM, Diamantina, MG, Brazil, 4Graduando, CES/JF, Juiz de Fora, MG, Brazil*.

39. **Behavior of pigs in enriched environment: alternatives to extend the animals' interest towards the enrichment.** Simone Pereira Machado[1], Fabiana Ribeiro Caldara[1*], Luciana Foppa[1], Liliane Maria Piano Gonçalves[1], Rafael de Moura[1], Rodrigo Garófallo Garcia[1], Janaina Silveira Oliveira[1], and Viviane Maria Oliveira dos Santos Nieto[2]. *[1]FCA-UFGD, Dourados, MS, Brazil, [2]FAMEZ-UFMS, Campo Grande, MS, Brazil*

40. **Effects of high airline pressures on stunning cattle with pneumatically powered captive bolt guns.** Steffan Edward Octávio Oliveira*[1,2], Neville George Gregory[3], Filipe Antonio Dalla Costa[1,2], Maria Camila Ceballos Betancourt[1,2], Mateus José Rodrigues Paranhos da Costa[1,2], and Osmar Antonio Dalla Costa[4]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]ETCO, Jaboticabal, SP, Brazil, [3]Royal Veterinary College, London, UK, [4]EMBRAPA Swine and Poultry, Brazil*

41. **Efficiency of low versus high airline pressure on stunning cattle with penetrating captive bolt guns.** Steffan Edward Octávio Oliveira*[1,2], Neville George Gregory[3], Filipe Antonio Dalla Costa[1,2], Karen Camille Rocha Góis[1,2], Mateus José Rodrigues Paranhos da Costa[1,2], and Osmar Antonio Dalla Costa[4]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]ETCO, Jaboticabal, SP, Brazil, [3]Royal Veterinary College, London, UK, [4]EMBRAPA Swine and Poultry, Brazil*

Non-Ruminants

42. **Meta-analytical study on the effects of antibiotic growth promoters on productive pig performance.** Bruna Schroeder*[1], Ines Andretta[1], Andrea Machado Leal Ribeiro[1], Kátia Maria Cardinal[1], Marcos Kipper[1], Vitória Hansen[1], Silvana Mahl Rauber[1], and Felipe Hickmann[1]. *[1]Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, Brazil.*

43. **Meta-analysis of performance responses of broiler fed diets containing β-mannanase.** Bruna Schroeder*[1], Ines Andretta[1], Marcos Kipper[1], Vinícius Rodrigues de Quadros[2], Vitória Hansen[1], Silvana Mahl Rauber[1], and Julia Perin[1]. *[1]Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, Brazil. 2Elanco Saúde Animal, São Paulo, SP, Brazil.*

44. **Meta-analysis of performance responses and carcass traits of pigs fed diets containing β-mannanase.** Bruna Schroeder*[1], Ines Andretta[1], Marcos Kipper[1], Vinícius Rodrigues de Quadros[2], Vitória Hansen[1], Silvana Mahl Rauber[1], and José Zacarias Rampi[1]. *[1]Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, Brazil. [2]Elanco Saúde Animal, São Paulo, SP, Brazil.*

45. **Population knowledge and preferences about pig meat.** Joana Schroeder de Souza[1], JuliaGuazzelli Pezzali[1], Kátia Maria Cardinal[1], Ines Andretta[1], Andrea Machado Leal Ribeiro[1].*([1]UFRGS- Universidade Federal do Rio Grande do Sul, Porto Alegre, Rio Grande do Sul, Brasil).*

46. **Meta-analysis of the effect of fractions of fiber in neutral detergent fiber and acid detergent for finishing pigs.** Joselito Bastos da Silva Junior[2], Leonardo Augusto Fonseca Pascoal*[1], Luciano Hauschild[3], Inês Andreta[4], Marcos Kipper da Silva[4], Terezinha Domiciano Dantas Martins[1]. *[1]CCHSA-UFPB, Bananeiras, PB, Brasil, [2]CCA-UFPB, Areia, PB, Brasil, [3]FCAV-UNESP, Jaboticabal, SP, Brazil, [4]UFRGS, Porto Alegre, Brasil.*

47. **Bioavailability of different sources of phosphorus to growing pigs.** Alini Mari Veira[1]*, Luciano Hauschild[1], Marco Fagundes[2], Luan Sousa dos Santos[1], Welex Cândido Silva[1], Jaqueline de Paula Gobi[1], Dani Perondi[1], Heloísa Cristina Alves[1]. *[1]Faculdade de Ciências Agrárias e Veterinárias (FCAV) – UNESP, Jaboticabal, [2]Timab.*

48. **Digestibility of diets with enzymatic complex for growing pigs.** Natália Yoko Sitanaka*[1], Fábio Enrique Lemos Budiño[2], Andréia Donizete Chagas Vilas Boas[2], José Evandro de Moraes[2,] Daniel Malagoli[2], Carla Cachoni Pizzolante[2], Daniela Fagotti Soares[2]. *[1] UEM, Maringá, PR, Brazil, [2]Instituto de Zootecnia, Nova Odessa, SP, Brazil.*

49. **Piglets' behavior influenced by the weaning age in the maze with glass walls.** Alícia Zem Fraga*[1], Valdir Ribeiro Júnior[2], Aloízio Soares Ferreira[2], e Francisco Carlos de Oliveira Silva[2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2] DZO- UFV, Viçosa, MG, Brazil.*

50. **Addition of L-glutamine + glutamic acid and L-arginine in the diet of weaned pigs.** Leonardo Augusto Fonseca Pascoal*[1], David Rwbystanne Pereira da Silva[2], Flávio Gomes Fernandes[1], Terezinha Domiciano Dantas Martins[1], José Humberto Vilar da Silva[1], Ricardo Romão Guerra[2], Aparecida da Costa Oliveira[2]. *[1]CCHSA-UFPB, Bananeiras, PB, Brazil, [2]CCA-UFPB, Areia, PB, Brazil.*

51. **Iron chelate in sow diets and effects of iron supplementation in piglets.** Carine Araújo Barros[2], Leonardo Augusto Fonseca Pascoal*[1], Pedro Henrique Watanabe[3], Terezinha Domiciano Dantas Martins[2], Tiago Andrade da Silva[3]. *[1]CCHSA-UFPB, Bananeiras, PB, Brazil, [2]CCA-UFPB, Areia, PB, Brazil, [3]CCA-UFC-, Fortaleza, CE, Brazil.*

52. **Phytogenic associated with organic acids in diets of newly-weaned piglets increases the count of *lactobacillus* spp**. Fabrício Faleiros de Castro1*2, Maria Cristina Thomaz1, Patrícia Versuti Arantes Alvarenga1, Marco Monteiro Lima1, Daniela Junqueira Rodrigues1, Manuela Vantini Marujo1, and Maryane Sespere Faria de Oliveira1. [1]*FCAV – UNESP, Jaboticabal, SP, Brazil;* 2Process FAPESP: 2013/11387-3 (Scholarship)

53. **Effects of types of fiber and reduced level of protein on growth performance and gastrointestinal transit time of weanling pigs.** Manuela V. Marujo[1*], Maria C. Thomaz[1], Caio A. Silva[2], Marco M. Lima[1], Fabrício F. Castro[1], Daniela J. Rodrigues[1], Maryane S. F. Oliveira[1]. *[1]FCAV/UNESP, Jaboticabal, SP, Brazil; [2]UEL, Londrina, PR, Brazil.*

54. **Environmental impacts of precision feeding programs applied in Brazilian pig production.** Ines Andretta*[1], Candido Pomar[2], Luciano Hauschild[3], Marcos Kipper[1], Bruna Schroeder[1], and Vitória Hansen[1]. *[1]Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, Brazil, [2]Agriculture and Agri-Food Canada, Sherbrooke, QC, Canada. [3]Universidade Estadual Paulista "Júlio de Mesquita Filho", Jaboticabal, SP, Brazil.*

55. **Evaluation of voluntary feed intake and feeding behavior of group-housed growing pigs through the use of automated intelligent precision feeders.** Luan Sousa dos Santos[*1], Paulo Henrique Reis Furtado Campos[2], Luciano Hauschild[1], Ines Andretta[3], Welex Cândido da Silva[1], Cintia Fracaroli[1], Natalia dos Santos Fanelli[1], Juliana Carolina Florêncio Ravagnani Martins[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]UFVJM, Diamantina, MG, Brazil, [3]UFRGS, Porto Alegre, RS, Brazil.*

56. **Pig's response to sequential feeding system with a variation in amino acid levels.** Welex Cândido da Silva*[1], Luan Sousa dos Santos[1], Luciano Hauschild[1], Alexandre de Mello Kessler[2], Alini Mari Veira[1], Heloisa Cristina Alves[1], Bruna Schroeder[2], Izabela Maria Corrêa[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil; [2]UFRGS, Porto Alegre, RS, Brazil.*

57. **Impact of precision feeding and crude protein levels for pigs reared in tropical climate.** Dani Perondi*[1], Luciano Hauschild[1], Jaqueline de Paula Gobi[1], Ines Andretta[2], Aline Remus[1,3] and Candido Pomar[3]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]UFRGS, Porto Alegre, RS, Brazil, [3]AAFC, Sherbrooke, QC, Canada.*

58. **Net energy levels in diets with low crude protein on the performance of heavy pigs.** Cintia Fracaroli*[1], Dani Perondi[1], Luciano Hauschild[1], Luan Sousa dos Santos[1], Welex Cândido da Silva[1], Alini Mari Veira[1], Jaqueline de Paula Gobi[1], Juliana Carolina Florêncio Ravagnani Martins[1].*[1]FCAV/UNESP – Jaboticabal-SP.*

59. **The environmental consequences of feeding growing-finishing pigs with reduced dietary nutrient levels.** Alessandra N. T. R. Monteiro*[1,2], Teresinha M. Bertol[3], Paulo Armando V. de Oliveira[3], Arlei Coldebella[3], Alexandre de M. Kessler[1] and Jean-Yves Dourmad[4].*[1]UFRGS, Porto Alegre, RS, Brazil, [2]CNPq Foundation, Brasília, DF, Brazil, [3]Embrapa Suínos e Aves, Concórdia, SC, Brazil, [4]INRA, UMR1348 Pegase, Saint-Gilles, France.*

60. **Correlation between urinary infection and reproductive performance of sows.** Rafael de Moura[1], Fabiana Ribeiro Caldara[1*], Luciana Foppa[1] Liliane Maria Piano Gonçalves[1], Simone Pereira Machado[1], Rodrigo Garófallo Garcia[1], Carolyne Alves Calado[1], and Giuliano Reis Pereira Muglia[1]. *[1]FCA-UFGD, Dourados, MS, Brazil*

61. **Nutritional adjusts using InraPorc model to gestating sows housed in deep bedding systems.** Cheila Roberta Lehnen*[1], Raquel Melchior[2], Ines Andretta[2], Marcos Kipper[2], João Otavio Hilgemberg[1] and Fernanda Maria Denck[1]. *[1]BioModel, UEPG, Ponta Grossa, PR, Brazil, [2]UFRGS, Porto Alegre, RS, Brazil.*

62. **The accuracy of dual-energy x-ray absorptiometry to estimate pig carcass dissected and chemical composition.** Marcos Kipper*[12], Candido Pomar[1], Marcel Marcoux[1]. *[1]Agriculture and Agri-Food Canada, Sherbrooke, QC, Canada. [2]Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, Brazil.*

63. **Tryptophan intake for maintenance of Japanese quail.** Miryelle Freire Sarcinelli*[,1], Nilva Kazue Sakomura[1], Edney Pereira da Silva[1], Marcos José dos Santos Batista[1], Katiani Silva Venturini[1], Juliano César de Paula Dorigam[1], Isabela Trevizani[1]. *[1]FCAV - UNESP, Jaboticabal, SP, Brazil.*

64. **Effect of energy levels on responses of laying Japanese quails.** Diana M. C. Castiblanco*[1], Silvana M. B. Artoni[1], Edney P. Silva[1], Elaine T. Santos[1], Michele B. De Lima[1], Jessica L. G. Guzman[1], Saliha Samidi[1], Gabriela D. Censão. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

65. **Evaluation of prediction models of protein requirements in meat-type quail.** Mariana F. Zanon Ferreira[1], Simara Márcia Marcato[*1], Vittor Zancanela[1], Daiane de Oliveira Grieser[1], Caroline Espejo Stanquevis[1], Eline Maria Finco[1], Taciana M. Moraes de Oliveira[1], Mateus Silva Ferreira[2], e Tainara Ciuffi Euzébio[1]. *[1]UEM, Maringá, PR, Brazil, [2] UEM, Umuarama, PR, Brazil.*

66. **Performance of Japanese quails in production fed levels of metabolizable energy and digestible lysine.** Lidiane Staub*[1], Ana Paula Silva Ton[2], Wanessa Daróz Matte[2], Igor Willian Wrobel Straub[2], Camila Ribeiro Almeida[2], Marcela Daiane Gouveia de Moraes[2] and Nariane Silva Gonçalves[2]. *[1]UEM, Maringá, PR, Brazil, [2]UFMT, Sinop, MT, Brazil.*

67. **Digestible isoleucine requirements for Japanese quails in laying phase.** Vinícius Duarte de Oliveira *[1], Nilva Kazue Sakomura[1], Edney Pereira da Silva[1], Karla Nathaly Meza Martinez[1], Marcos José Batista dos Santos[1], Gabriela Beribelli[1] and Euclides Braga Malheiros[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

68. **Quality of eggs of Japanese quails housed in high density.** Daniela Fagotti Soares *[1], Carla Cachoni Pizzolante[1], José Evandro de Moraes[1], Keila Maria Roncato Duarte[1], Fabio Enrique Lemos Budinõ[1], Natália Yoko Sitanaka[2] and Weber Vilas Boas Soares[1]. *[1]Institute of Animal Science, Nova Odessa, SP, Brazil, [2]UEM, Maringá, PR, Brazil.*

69. **Digestible protein levels for Nile tilapia in early growth stages[1].** Thiago Matias Torres do Nascimento*[2,5], Julian David Alvarado Castillo[2], Cleber Fernando Menegasso Mansano[3], Edney Pereira da Silva[4], Nilva Kazue Sakomura[4] and João Batista Kochenborger Fernandes[2.] *[2]CAUNESP, Jaboticabal, SP, Brazil, [3]UNESP, Dracena, SP, Brazil, [4]FCAV-UNESP, Jaboticabal, SP, Brazil.*

70. **In-barrel moisture on extrusion parameters and kibble macrostructure in cat foods.** Francine M. Peres[1], Mayara Aline Baller[1], Peterson D. G. Pacheco[1], Thaila Cristina Putarov[1], Mariana Monti[1], Bruna Agy Loureiro[1] and Aulus C. Carciofi[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

71. **Methionine and cystine requirements for kittens.** Joyce Sato[1*], Mônica E. Z. Merenda[1], Aline T. Uemoto[1], Mateus S. Pereira[1], Katiani S. Venturini[2], Edney P. Silva[2], Aulus C. Carciofi[2] and Ricardo S. Vasconcellos[1]. *[1]UNIVERSIDADE ESTADUAL DE MARINGÁ, Maringá, PR, Brazil, [2]FCAV-UNESP, Jaboticabal, SP, Brazil*

72. **Hydroxyproline and starch intake and urinary supersaturation for calcium oxalate in cats.** Fernanda S. Mendonça*[1], Raquel S. Pedreira[1], Mariana Monti[1], Bruna A. Loureiro[1], Thaila C. Putarov[1], Ludmilla G. Di Santo[1], Amanda Vitta[1], Claudia A. S. Nogueira[1], Aulus C. Carciofi[1.] *[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

73. **Effect of diet on the intestinal enzymes activity and weight gain of young paiches (*Arapaima gigas*), raised in cages in peruvian amazon.** Wilson Castillo-Soto*[1], Henry Revilla Aguirre[2], Juan Lao Gonzales[2]. *[1] Medicina Veterinaria y Zootecnia,Universidad Privada Antenor Orrego,Trujillo, Perú. [2]Universidad Nacional Agraria de la Selva, Tingo María, Perú.*

74. **Red orange extract reduces fat body in Wistar rats that received high calorie diet.** Beatriz Almeida Rodrigues[1], Lizandra Amoroso[1]*, Gabrielle Queiroz Vacari[1], Vinicius Gallati[1], Felipe Perissini[1], Matheus Nobile[1], Silvana Martinez Baraldi Artoni[1], Fabiana Cirino dos Santos[1]. *[1]Faculdade de Ciências Agrárias e Veterinárias - UNESP, Univ Estadual Paulista, Campus de Jaboticabal.*

Friday, June 10 - Session II (17:30 - 18:30)

Ruminants and Forages

1. **Intake of dry matter and nutrient from forage of goats grazing deferred Urocloa grass with supplementation levels.** Danrlei Carvalho dos Santos[1], Mara Lúcia Albuquerque Pereira[2], Diego da Hora Souto[3], Herymá Giovane De Oliveira Silva[2], Paulo José Presídio Almeida[3], Karine Pinheiro de Oliveira[*1], Érick Rocha da Silva[1] and Larisse Borges Sousa[4]. *[1]Graduando em Zootecnia– UESB, Itapetinga, BA, [2]Professor curso de Zootecnia – UESB, Itapetinga, BA, [3]Mestre em Zootecnia – UESB, Itapetinga, BA, [4]Mestrando em Zootecnia – UESB, Itapetinga, BA.*

2. **Nutrients digestibility in goats at deferred pasture supplemented with concentrate levels.** Érick Rocha da Silva, Mara Lúcia Albuquerque Pereira[2], Diego da Hora Souto[3],Herymá Giovane De Oliveira Silva[2],Paulo José Presídio Almeida[3],Karine Pinheiro de Oliveira[*1],Larisse Borges Sousa and Nadjane Vieira da Silva[1]. *[1]Graduando em Zootecnia – UESB,Itapetinga, BA,[2]Professor curso de Zootecnia – UESB, Itapetinga, BA, [3]Mestre em Zootecnia – UESB,Itapetinga, BA.*

3. **Intake and digestibility in Nellore bulls on pasture fed with two levels of starch-based supplement with or without oil.** Antônio J. Neto[1], Tiago A. Simioni*[1] and Telma T. Berchielli[1]. *[1]College of Agrarian Sciences and Veterinary Sciences, State University of Sao Paulo, FCAV-UNESP, Jaboticabal, SP, Brazil.*

4. **Effect of starch-based supplementation level combined with oil on protozoa population of young Nellore steers grazing tropical pasture during rainy season.** Antônio J. Neto[1], Tiago A. Simioni*[1], Luis G. Rossi[1], Juliana D. Messana[1], and Telma T. Berchielli[1]. *[1]College of Agrarian Sciences and Veterinary Sciences, State University of Sao Paulo, FCAV-UNESP, Jaboticabal, SP, Brazil.*

5. **Dry matter intake and feed efficiency of Nellore bulls finished with different feedlot time.** Aline Domingues Moreira[1*], Ana Paula Reiff Janini[1], Paloma Helena Gonçalves[1], Felipe Almeida Nascimento[1], Marco Aurélio Morais Soares Costa[1], Flávio Pinto Monção[2], Flávio Dutra de Resende[2] and Gustavo Rezende Siqueira[2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]APTA, Polo Regional da Alta Mogiana, Colina, SP, Brazil*

6. **Use of essential oil on feedlot diet.** Alvair Hoffmann[1*], Diego Monteira Renesto[1], Andre Luis da Silva Valente[1], Rondineli Pavezzi Barbero[1], Lutti Maneck Delevati[1], Rhaony Gonçalves Leite[1], Tiago Luís da Ros Araújo[1] and Ricardo Andrade Reis[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

7. **Nitrogen metabolic evaluation of grazing bulls receiving concentrate supplementation in the finishing phase.** Amanda A. Perestrelo[1], Edneia P. Rosa[2], Josilaine A. C. Lima*[2], Henrique J. Fernandes[1], Vinícius M. D. Souza[1], Yasmin S. Falcão[1], and Douglas N. Pereira[1]. *[1]UEMS, Aquidauana, MS, Brazil, [2]UFMS, CampoGrande, Brazil.*

8. **Daily intake of grazing beef cattle receiving concentrate supplementation in the finishing phase.** Amanda A. Perestrelo[1], Edneia P. Rosa[2], Josilaine A. C. Lima*[2], Henrique J. Fernandes[1], Aline T. Wiebusch[1], Jânio G. Pepi[1], and Karina H. S. Sagisaka[1]. *[1]UEMS, Aquidauana, MS, Brazil, [2]UFMS, CampoGrande, Brazil.*

9. **Nitrogen balance in Nellore steers fed with crude glycerine associated with soybean oil.** Ana Veronica L. Dias[*1], Yury T. Granja-Salcedo[1], Telma T. Berchielli[1], Vinícius C. Souza[1], Juliana D. Messana[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

10. **Effect of starch-based supplementation level combined with oil on ruminal microbiota of finishing Nellore steers grazing tropical pasture during dry season.** Antônio J. Neto[*1], Juliana D. Messana[1], Yury T. Granja-Salcedo[1], Andressa F. Ribeiro[1], and Telma T. Berchielli[1]. *[1]College of Agrarian Sciences and Veterinary Sciences, State University of Sao Paulo, FCAV-UNESP, Jaboticabal, SP, Brazil.*

11. **Protozoa population in finishing Nellore steers fed with two levels of starch-based supplement with or without oil grazing tropical pasture during dry season.** Antônio J. Neto[*1], Luis G. Rossi[1], Juliana A. Torrecilhas[1], Erick E. Dallantonia[1], Monaliza O. Santana[1], and Telma T. Berchielli[1]. *[1]College of Agrarian Sciences and Veterinary Sciences, State University of Sao Paulo, FCAV-UNESP, Jaboticabal, SP, Brazil.*

12. **Starch-based supplementation level combined with oil on meat quality traits of young Nellore bulls.** Antônio J. Neto[1], Juliana A. Torrecilhas[1], Giovani Fiorentini[1], and Telma T. Berchielli[1]. *[1]College of Agrarian Sciences and Veterinary Sciences, State University of Sao Paulo, FCAV-UNESP, Jaboticabal, SP, Brazil.*

13. **Supplement intake behavior and weight gain per area of Nellore cattle finished with high intake supplementation in pasture.** Beatriz Lima Vellini*[1], Ivanna Moraes de Oliveira[2], Rodolfo Maciel Fernandes[1], Ana Paula Reiff Janini[1], João Marcos Beltrame Benatti[3], Flávio Dutra de Resende[1,2] and Gustavo Resende Siqueira[1,2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]APTA, Polo Alta Mogiana, Colina/SP, Brazil, [3]Trouw Nutrition/Bellman*

14. **The effect of yeast associated with yeast cell wall on performance and blood parameters from Nellore in stocker grazing phase.** Elias San Vito*[1], Marcos Aronovich[2], Josiane Fonseca Lage[3], Erick Escobar Dallantonia[1], Pablo de Sousa Castagnino[1], Amanda Garcia Mantovani[1], Carolina Cristina dos Santos[1], Telma Teresinha Berchielli[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]PESAGRO-RIO, RJ, Brazil, [3]Trow Nutrition Brazil, SP, Brazil.*

15. **Methane emissions from Nellore young bulls fed supplements with additives during the rainy season.** Erick Escobar Dallantonia, Josiane Fonseca Lage, Elias San Vito, Pablo de Souza Castagnino, Lutti Maneck Dellevatti, Ricardo de Andrade Reis, and Telma Teresinha Berchielli. *UNESP – Univ. Estadual Paulista, Jaboticabal, São Paulo, Brazil*

16. **Ruminal degradation of dry matter and the fibrous fraction of elephant grass silage with differents levels of crude glycerin.** Flávio P. Monção*[1], João P. S. Rigueira[2], Eleuza C. J. de Sales[2], Carlos F. N. Pereira[2], Daniel A. A. Pires[2], Dorismar D. Alves[2], Sidnei T. dos Reis[3] and Euclides R. de Oliveira[4]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]UNIMONTES, Janaúba, MG, Brazil, [3] UFS, São Cristovão, SE, Brazil, [4]UFGD, Dourados, MS, Brazil*

17. **Supplementation protocols for Nellore young bulls during growing phase in transitional from rainy to dry season.** Flávio P. Monção*[1], Michele A. P. Alves[2], César Borges[3], Rodolfo M. Fernandes[1], Cleisy F. do Nascimento[1], Ivanna M. de Oliveira[4], Flávio D. Resende[4] and Gustavo R. Siqueira[4]. *[1] FCAV-UNESP, Jaboticabal, São Paulo, Brazil; [2] UNIFEB, Barretos, Brazil;[3] Phibro Animal Health Corporation; [4] Professor UNESP e APTA, Colina, São Paulo, Brazil*

18. ***In vitro* evaluation of *Lithothamnium calcareum* algae on the gas production and dry matter degradability.** Gabriela Benetel*[1], Flávia Alves Melo[1], Katiéli Caroline Welter[1], Gisele Maria Fagundes[1], Priscila Sales Maldonado[1], Tatiane Ninomya Ribeiro[1], Roberta Cavalcante Cracco[1], Ives Cláudio da Silva Bueno[1]. *[1]Department of Animal Science, College of Animal Science and Food Engineering, University of São Paulo, Pirassununga, Pirassununga, São Paulo, Brazil.*

19. **Effect of tannin-rich forages on *in vitro* ruminal fermentation and methane production.** Gisele Maria Fagundes [1], Elisa Maria Pedroso de Lima[1], Gabriela Benetel[1*], Katiéli Caroline[1] Welter[1], Paulo de Méo Filho[1], Flávia Alves Melo[1], Thais Brochado[1]and Ives Cláudio da Silva Bueno[1]. [1]*FZEA-USP, Pirassununga, SP, Brazil*.

20. **Performance of grazing suckling beef calves receiving concentrate supplementation with different energy sources.** Josilaine Aparecida da Costa Lima*[1], Mário Fonseca Paulino[2], Victor Valério de Carvalho[2], Roman Enrique Maza Ortega[2], Deilen Paff Sotelo Moreno[2], Felipe Henrique de Moura[2], Marcos Rocha Manso[2]. *[1]UFMS, Campo Grande, MS, Brazil, [2]UFV,Viçosa, MG, Brazil*

21. **Metabolic evaluation of grazing suckling beef calves supplemented with different energy sources.** Josilaine Aparecida da Costa Lima*[1], Mário Fonseca Paulino[2], Victor Valério de Carvalho[2], Roman Enrique Maza Ortega[2], Deilen Paff Sotelo Moreno[2], Marcos Rocha Manso[2], Jéssika Almeida Bitencourt[2]. *[1]UFMS, Campo Grande, MS, Brazil, [2]UFV,Viçosa, MG, Brazil*

22. **Intake and digestibility of diets supplemented with or without phosphorus by feedlot Nellore bulls.** Laís de Oliveira Lima*[1], Vinícius C. Souza[1], Juliana D. Messana[1], Telma T. Berchielli[1,2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]Membro INCT/CA – UFV, Viçosa, MG, Brazil*

23. **Effect of different supplementation levels and additives on Nellore steers performance finished on pasture.** Letícia Custódio*[1,2], Renan L. Miorin[1,2], Danúbia N. Figueira[1,2], João A. Alves Neto[3], Verônica C. Mota[1,2], Rodolfo M. Fernandes[1,2], Flávio D. Resende[1,2] and Gustavo R. Siqueira[1,2]. *[1]FCAV-UNESP, Jaboticabal, [2]APTA-Polo Alta Mogiana, Colina-SP, [3]Campo Rações e Minerais LTDA.*

24. **Effect of encapsulated nitrate as an alternative source of nitrogen, with or without elemental sulphur, on nutrient intake and digestibility of beef cattle.** Lucas R. Rebelo*[1], Irene C. Luna[2], Yury T. Granja-Salcedo[1], Juliana D. Messana[1], Izabelle A. M. A. Teixeira[1] and Telma T. Berchielli[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]SRUC, Edinburgh, Scotland, United Kingdom.*

25. **Use of encapsulated nitrate in supplements for grazing cattle during the rainy season reduces methane emission.** Rodolfo Maciel Fernandes*[1], Rosa Toyoko Shiraishi Frighetto[2], Leandro Sakamoto[3], Alexandre Berndt[4], Rafael Canonenco de Araujo[5], Flavio Dutra de Resende[6], and Gustavo Rezende Siqueira[6]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]EMBRAPA, Jaguariúna, SP, Brazil, [3]USP, Pirassununga, SP, Brazil, [4]EMBRAPA, São Carlos, SP, Brazil, [5]GRASP Ind. e Com. LTDA, Curitiba, PR, Brazil, [6]APTA – Polo Alta Mogiana, Colina, SP, Brazil.*

26. **Methane emission of young Nellore bulls grazing Marandu pasture in wet season.** Jefferson Fabiano Werner Koscheck[1], Lutti Maneck Delevatti*[2], Rhaony Gonçalves Leite[2], Diego Monteira Renesto[2], Adriana Cristina Ferrari[2], Octávio de Almeida Guimarães Bisneto[2], André Luis da Silva Valente[2] and Ricardo Andrade Reis[2]. [1] *Bellman/TrouwNutrition; [2]FCAV-UNESP, Jaboticabal, SP, Brazil.*

27. **Morphological characteristics of rumen epithelium of finishing Nellore bulls fed low-fiber diets from forage and feed additives.** Laura B. Toseti*[1] , Elaine Magnani[2] , Jeferson G. Augusto[3], Cleisy F. do Nascimento[4], Ana Carolina. J. Pinto[4], Danilo D. Millen[5], Renata H. B. Arnandes[1]. [1] IZ-APTA Bovinos de Corte, Sertãozinho, SP, Brazil, [2] FZEA, Pirassununga, Brazil, [3] FEIS-UNESP, Ilha Solteira, Brazil, [4] FCAV-UNESP, Jaboticabal, Brazil, [5] FCAT-UNESP, Dracena, Brazil

28. **Substitution of the protein source in the concentrate for corn co-product at Nellore young bulls in the finishing phase on feedlot.** Tiago Luís Da Ros de Araújo*[1], Alvair Hoffmann[1], Diego Monteira Renesto[1], Lutti Maneck Delevatti[1], Rhaony Gonçalves Leite[1], André Luis da Silva Valente[1], Pablo de Souza Castagnino[1] e Ricardo Andrade Reis[1]. *[1]FCAV/Unesp, Jaboticabal, São Paulo, Brazil.*

29. **Crude glycerin associated with oil in the diet may limit the rumen biohydrogenation in Nellore steers.** Yury T. Granja-Salcedo*[1], Vinícius C. Souza[1], Villamil Torres[2], Ana V. Dias[1], Juliana D. Messana[1], and Telma T. Berchielli[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil. [2]Universidad de Los Llanos, Villavicencio, Colombia.*

30. **Thermodynamic description of linoleic and α-linolenic acid biohydrogenation in the rumen: A computational approach.** Julian A. C. Vargas*[1,2], Edgar E. D. Caicedo[2], and Claudio V.D.M Ribeiro[3]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]Universidad Nacional de Colombia, Bogotá, Colombia, [3]Universidade Federal da Bahia, Salvador, BH, Brazil.*

31. **Ruminal biohydrogenation and duodenal flow of fatty acid by Nellore steers fed with different sources of forage in high-concentrate diets.** Juliana D. Messana*[1], Ana Laura E. G. F. Carvalho[1], Andressa F. Ribeiro[1], Giovani Fiorentini[1], Elias San Vito[1],Telma T. Berchielli[1,2]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]Membro INCT/CA – UFV, Viçosa, MG, Brazil*

32. **Prediction of body weight based on the heart girth in adult females Nelore.** Alessandra Silva Rodrigues Medeiros[1], Letícia Fernanda de Oliveira*[1], Cristiano Gonzaga Jayme[1]. [1]*Instituto Federal do Sudeste de Minas Gerais, Rio Pomba, MG, Brazil.*

33. **Carbon footprint of beef cattle response to digestibility and crude protein ratios.** Abmael da Silva Cardoso*[1], Liziane de Figueiredo Brito[1], Estella Rosseto janusckiewicz[1], Tiago Silva do Nascimento[1], Ricardo Andrade Reis[1], and Ana Cláudia Ruggieri[1]. *[1] FCAV-UNESP, Jaboticabal, SP, Brazil.*

34. **Soil CO_2 emission in response to nitrogen fertilizer in Marandu grass pasture under grazing by beef cattle.** Elisamara Raposo*[1,2], Lutti Maneck Delevatti[1,3], **Luíza Freitas de Oliveira Melo[1,3],** Tiago Luís Da Ros de Araújo[1,3], Liziane de Figueiredo Brito[1,4], Estella Rosseto Janusckiewicz[1,4], Ricardo Andrade Reis[1,5] and Ana Cláudia Ruggieri[1,5]. **[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]CNPq scholarship, [3]Capes scholarship, [4]PNPD/CAPES scholarship, [5]CNPq productivity scholarship.*

35. **Soil CO_2 emission in Xaraes grass pasture under post-grazing residues in rainy and dry seasons.** Elisamara Raposo*[1,4], Leandro Galzerano[2], Fabiana Marques de Assumpção[1], Jonathan Versuti[1], Alan Rodrigo Panosso[3], Liziane de Figueiredo Brito[1,5], Estella Rosseto Janusckiewicz[1,5] and Ana Cláudia Ruggieri[1,6]. **[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]IFAM Manaus, AM, Brazil. [3]FEIS-UNESP, Ilha Solteira, SP, Brazil, [4]CNPq Scholarship, [5]PNPD/CAPES Scholarship, [6]CNPq productivity Scholarship.*

36. **Methane emissions of grazing sheep in a silvopastoral system with different shades.** Paola Palauro Spasiani[1], Tiago Silva do Nascimento[2*], Euclides Braga Malheiros[2,4], Alexandre Berndt[3,4], Ricardo Andrade Reis[2,4], Ana Cláudia Ruggieri[2,4]. *[1]UFLA, Lavras, MG, Brazil, [2]FCAV-UNESP, Jaboticabal, SP, Brazil, [3]EMBRAPA – Pecuária Sudeste, São Carlos, SP, Brazil*, *[4]CNPq Researcher scholarship*

37. **Differences in height and mass of massaigrass pastures in silvopastoral systems with different arboreal spacings.** Paola Palauro Spasiani[1,2], Tiago Silva Nascimento[1,3], Luíza Freitas de Oliveira*[1,2], Liziane de Figueiredo Brito[1,4], Ana Cláudia Ruggieri[1,5]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]CAPES Scholarship, [3]PROPE Scholarship, [4]PNPD/CAPES Scholarship, [5]CNPq productivity Scholarship.*

38. **SPAD index to evaluate the level of nitrogen at monocrop and Crop Livestock Integration System.** Flávia Fernanda Simili*[1], Gabriela Geraldi Mendonça[2], Jeferson Garcia Augusto[3], Heloisa de Almeida Fidelis[1], Henrique Moreira Lopes[1], Claudia Cristina Paro Paz[1,4]. *[1]Instituto de*

Zootecnia/APTA/SAA, Sertãozinho, SP, Brasil, [2]FMVZ-USP, Pirassununga, SP, Brasil, [3]FEIS-UNESP, Ilha Solteira, SP, Brasil, [4]FMRP-USP, Ribeirão Preto, SP, Brasil

39. **Anatomical characteristics of forage species from the caatinga in different conditions in the northeastern semi-arid region.** Daniely Sales Guedes[1], Divan Soares da Silva[*2], Alberício Pereira de Andrade[2], Fabiola Vitti Môro[3], and [4]Cesar Augusto Pompeo Teles. *[1]Doutoranda em Zootecnia-PDIZ-UFRPE/UFPB/UFC, [2]Docentes PDIZ-UFPB, Areia, PB, Brazil, Bolsista CNPq, [3]FCAV-UNESP, Jaboticabal, SP, Brazil, [4]Graduação-FCAV-UNESP, Jaboticabal, SP, Brazil.*

40. **Agronomic and chemical characteristics of sugarcane varieties for forage production in semi-arid regions.** Albericio P. de Andrade*[1,2], Janieire D. C. Bezerra[2], Geane D. Gonçalves[3], José M. de S. Campos[4], Mauro W. de Oliveira[5] and José R. S. do Nascimento Júnior[2]. *[1]PPGCAP-UAG/UFRPE, Garanhuns, PE, Brazil, [2]PDIZ-UFPB, Areia, PB, Brazil, [3]UAG/UFRPE, Garanhuns, PE, Brazil, [4]UFV, Viçosa, MG, Brazil, [5]CECA/UFAL, Rio Largo, AL, Brazil.*

41. **Chemical and nutritional composition of cactus pear, genera *Opuntia* and *Nopalea.*** Francisco Abel lemos Alves[1], Albericio Pereira de Andrade*[2] , Riselane de Lucena Alcântara Bruno[2] , André Luiz Rodrigues Magalhães[3], Divan Soares da Silva[2] and Airon Aparecido Silva de Melo[3]. *[1]Agronomic Institute of Pernambuco, Av. General San Martin, 1371, Bongi, 50761-000, Recife-PE, Brazil, [2]Federal University of Paraíba, Centre of Agricultural Sciences, Campus II, 58397-000, Areia-PB, Brazil, [2]Federal Rural University of Pernambuco, Academic Unit of Garanhuns, 55292-270, Garanhuns-PE, Brazil.*

42. **Characterization of *Mamilot sculente* tannic leaves and cutting extract and *Mimosa caesalpiniifolia* peel for additive employment on ruminant diet.** Delci D. Nepomuceno[1], Michel C. Vieira[1], Thainá L. Risso[*1], Leonardo F. Morais[1], Roberto C. Lelis[1], and João Carlos C. Almeida[1]. *[1]UFRRJ, Seropédica, RJ, Brazil.*

43. **Flavonoids isolation of the macrotilome forage legume (*Macrotyloma axillare*).** Delci D. Nepomuceno[1], Ilna G. Silva[1], Thainá L. Risso[1*], João Carlos C. Almeida[1], Mário G. Carvalho[1]. *[1]UFRRJ, RJ, Brazil*

44. ***Stylosanthes guianensis* cv. BRS Bela managed as organic fodder bank for supplementation of lactation crossbred cows in the Cerrado.** Fernanda Galdino[1], João Paulo Horta Vieira de Miranda[1], Sergio Lucio Salomon Cabral Filho[1], Gilberto Gonçalves Leite[1], João Paulo Guimarães Soares[2], Gustavo José Braga[2], Allan Kardec Braga Ramos[*2], Marcelo Ayres Carvalho[2]. *[1]FAV-UnB, Brasília, DF, Brazil,[2]Embrapa Cerrados, Planaltina, DF, Brazil.*

45. **Organic management of *Brachiaria brizantha* cv. Marandu pasture mixed with *Stylosanthes* spp. in the Cerrado.** João Paulo Guimarães Soares[*1], Allan Kardec Braga Ramos[1], Gustavo José Braga[1], João de Deus Gomes dos Santos Jr.[1], Francisco Duarte Fernandes[1], Eder de Souza Martins[1], Breno Rodrigues dos Reis[1] and Juaci Vitória Malaquias[1]. *[1]Empresa Brasileira de Pesquisa Agropecuária -Embrapa Cerrados, Planaltina, DF, Brazil.*

46. **Effect of swine biofertilizer dose and height of residue in production, digestibility and crude protein of Piata grass.** Franciely de O. Neves[*1], Carla Crone[1], Marco A. P. Orrico Junior[1], Daniel C. Alves[1], Ana Carolina A. Orrico[1], Stanley R. Centurion[2] and Paulo L. Carnavale[1]. *[1]FCA - UFGD, Dourados, MS, Brazil, [2]UFG, Goiás, GO, Brazil*

47. **Organic compost on Piatã grass fertigation.** Franciely de O. Neves[*1], Carla Crone[1], Marco A. P. Orrico Junior[1], Ana Carolina A. Orrico[1], Adriano P. da Silveira[1], Carolina N. Moitinho[1] and Brenda B. de Mattos[1]. *[1]FCA-UFGD, Dourados, MS, Brazil*

48. **Characteristics of forage mass of *Panicum maximum* cv. Mombaça under nitrogen doses in Af climate.** Joelma Kyone S. de Oliveira[1], Darlena Caroline da C. Corrêa[*1], Antônio Marcos Q. Cunha[1], Bruna Isaura da C. Figueiredo[1], Nauara Moura L. Filho[2], Felipe Nogueira Domingues[1], Aníbal Coutinho do Rêgo[2], Cristian Faturi[2] e Alysson Jorge. O. Sousa[3] . *[1]UFPA, Castanhal, PA, Brazil, [2]UFRA, Belém, PA, Brazil.[3]IFPA, Castanhal, PA, Brazil*

49. **Forage accumulation of *Panicum maximum* cv. Mombaça under nitrogen fertilization in Af climate.** Joelma Kyone S. de Oliveira[1], Darlena Caroline da C. Corrêa[*1], Antonio Marcos Q. Cunha[1], Bruna Isaura da C. Figueiredo[1], Felipe Nogueira Domingues[1], Aníbal Coutinho do Rêgo[2], Cristian Faturi[2] e Alysson Jorge. O. Sousa[3] . *[1]UFPA, Castanhal, PA, Brazil, [2]UFRA, Belém,, PA, Brazil.[3]IFPA, Castanhal, PA, Brazil.*

50. **Brachiaria productivity harvested at two heights and fertigated with treated sewage effluent and mineral fertilizer.** Miquéias Gomes dos Santos[1*], Geffson de Figueredo Dantas[1], Rogério Teixeira de Faria[1], Natã Rodrigues Costa[1], João Victor De Souza Detomini[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil*

51. **Productivity of Marandu grass under irrigation and nitrogen levels in Northern São Paulo.** Miquéias Gomes dos Santos[1], Rogério Teixeira de Faria[1], João Alberto Fischer Filho[1], Geffson Figueredo Dantas[1], Elienay Ferreira da Silva, Izabela Paiva Martins. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil*

52. **Different doses of phosphorous and lime on *Paspalum regnellii* crop.** Saulo de Tarso Cossalter[1, 4], Karen Carolina da Silva[2, 4], Suzana Tamiris Bonfadini[3,4, 5], Cristiana de Gaspari Pezzopane[4], Mariana Vieira Azenha[4], Tatiane Beloni[4], and Patrícia Menezes Santos[*4]. *[1]Centro Universitário Moura Lacerda, Ribeirão Preto, SP, [2]Universidade Federal de São Carlos, São Carlos, SP, [3]UEMS, Aquidauana, MS, [4]Embrapa Pecuária Sudeste, São Carlos, SP, [5]Bolsista PIBIC/CNPq*

53. **Effect of phosphorous levels during establishment of *Paspalum regnellii* cv. BRS Guará.** Karen Carolina da Silva[1, 4], Saulo de Tarso Cossalter[2, 4], Raissa Coutinho Tomaz Reganassi[1, 4], Cristiana de Gaspari Pezzopane[4], Mariana Vieira Azenha[4], Tatiane Beloni[4], and Patrícia Menezes Santos[*4]. *[1]Universidade Federal de São Carlos, São Carlos, SP, [2]Centro Universitário Moura Lacerda, Ribeirão Preto, SP, [3]UEMS Aquidauana, MS, [4]Embrapa Pecuária Sudeste, São Carlos, SP, [5]PIBIC/CNPq.*

54. **Strategies of resource-use of *Panicum maximum* cultivars.** Suzana Tamiris Bonfadini[1,4,5], Raissa Coutinho Tomaz Reganassi[2,4], Fábio Henrique Pereira[3,4], Tatiane Beloni[4], Mariana Vieira Azenha[4], Cristiana de Gaspari Pezzopane[4] and Patricia Menezes Santos*[4]. *[1]UEMS, Aquidauana, MS, [2]UFSCar, São Carlos, SP, [3]UNICEP, São Carlos, [4]Embrapa Pecuária Sudeste, São Carlos, SP, [5]PIBIC/CNPq.*

55. **Production and nutritional value of forage sorghum in potassium doses function and soil management systems.** Thays Syntya A. da Costa[1], Leticia G. Athaide*[1], Messy H. A. Pantoja[1], Diego Correia Sodré[2], Ana Carolina C. Jucá[2] , Camila da C. Cordeiro[2] , Jessivaldo R. Galvão[2]. *[1]UFPA, Castanhal, PA, Brazil,[2]UFRA, Belém, PA, Brazil*

56. **Components of post-grazing biomass of aruana grass grazed by ovine under rotational grazing with four levels of supplementation.** Francisco Gleyson da Silveira Alves[*1], Elayne Cristina Gadelha Vasconcelos[2], Alano Albuquerque Luna[2], Wesley do Nascimento Sousa[3], Magno José Duarte Cândido[4], Ellen da Costa Gomes[2], Rafael Rodrigues da Silva[1]. *[1]Masters Degree's Student of the Graduate Program in Animal Science of the Federal University of Ceará – UFC, Fortaleza, CE, Brazil, [2]Doctoral Degree's Student of the Integrated Doctorate Program in Animal Science–PDIZ/UFC/UFPB/UFRPE, Fortaleza, CE, Brazil, [3]Agronomist, [4]Professor at the Federal University of Ceará – UFC, Fortaleza, CE, Brazil.*

57. **Forage accumulation rate in mixed pastures under different defoliation frequencies.** Igor Machado Ferreira*[1], Iury Augusto de Freitas Cruvinel[1], Fernanda Pereira[1], Bruno Grossi Costa Homem[1], Luis Alberto Depablos Alviarez [1], Michael David Batista Luaemar de Oliveira [1], Márcio André Stefanelli Lara [1], Daniel Rume Casagrande[1]. *[1]Federal University of Lavras-Dept. of Animal Science, UFLA, Lavras, MG, Brazil*.

58. **Symmetry among leaflets on legumes.** Igor Machado Ferreira*[1], Iury Augusto de Freitas Cruvinel[1], Fernanda Pereira[1], Ailton Diego da Rosa [1], Bruno Grossi Costa Homem[1], Fernanda de Kássia Gomes [1], Márcio André Stefanelli Lara [1], Daniel Rume Casagrande[1]. *[1]Federal University of Lavras-Dept. of Animal Science, UFLA, Lavras, MG, Brazil*.

59. **Massai yield intercropped with perennial peanut under defoliation frequencies.** Iury Augusto de Freitas Cruvinel*[1], Igor Machado Ferreira[1], Ailton Diego da Rosa[1], Fernanda de Kássia Gomes[1], Otília Henrique Tamele[1], Bruno Grossi Costa Homem[1], Daniel Rume Casagrande[1] and Márcio André Stefanelli Lara[1]. *[1]Federal University of Lavras-Dept. of Animal Science, UFLA, Lavras, MG, Brazil*

60. **Organic carbon contents and stocks in *Brachiaria decumbens* cv. Basilisk swards according to soil base saturation.** Junior Cesar Avanzi*[1], Stefano Francisco Pereira Duarte[1], Bruna Pereira Marins da Silva[1], Luan Jardim de Sousa[1], Flávia Maria Siqueira[1], Caio Augusto Bertolini[1], Pedro Henrique de Cerqueira Luz[1], and Lilian Elgalise Techio Pereira[1]. *[1]FZEA-USP, Pirassununga, SP, Brazil.*

61. **Marandu palisadegrass pasture management intensity and relation to soil organic carbon fractions.** Liziane de Figueiredo Brito*[1], Estella Rosseto Janusckiewicz[1], Mariana Vieira Azenha[1], Abmael da Silva Cardoso[1], Mara Cristina Pessoa da Cruz[1], Euclides Braga Malheiros[1], Ricardo Andrade Reis[1], and Ana Cláudia Ruggieri[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil*

62. **Elephant grass Carajás cv. mass production under different levels of nitrogen and harvest frequencies.** Paulo Henrique Amaral Araújo de Sousa[1], Laylson da Silva Borges[2], Denílson Borges Nogueira[1], Flávia Louzeiro de Aguiar Santiago[3], Franklin Eduardo Melo Santiago[4], Luciano Silva Sena*[2], and Ricardo Loiola Edvan[1]. *[1]UFPI, Bom Jesus, PI, Brazil, [2]UFPI, Teresina, PI, Brazil, [3]UFLA, Lavras, MG, Brazil, [4]IFPI, Uruçuí, PI, Brazil.*

63. **Supplementation and cattle breed effects on utilization of deferred tropical pastures.** Avila, Roxana[1]; Ferrando, Carlos[1]; Torres, Damian[2]. *[1]INTA EEA La Rioja, [2]Universidad Nacional de La Rioja, Sede Chamical. 5380. Chamical, La Rioja. Argentina.*

64. **Chemical composition of Marandu grass in different cutting heights during the rainy-dry season.** Sérgio Antonio Garcia Pereira Junior*[1], Lilian Chambó Rondena Pesqueira-Silva[1], Edimar Barbosa De Oliveira[1], Silvio Márcio Vieira da Silva[1], Thuanny Letícia Alves de Almeida[1], Maria Fernanda Soares Queiroz[1], Carlos Eduardo Avelino Cabral[1] and Rosemary Laís Galati[1]. *[1]FAMEVZ-UFMT, Cuiabá, MT, Brazil*.

65. **Productive characteristics of Convert HD364 grass without nitrogen fertilization and different cutting heights during the rainy-dry season.** Sérgio Antonio Garcia Pereira Junior*[1], Lilian Chambó Rondena Pesqueira-Silva[1], Edimar Barbosa de Oliveira[1], Silvio Márcio Vieira da Silva[1], Edvania da Silva Vasconcelos[1], Kênia Larissa Gomes Carvalho Alves[1], Arthur Behling Neto[1] and Rosemary Laís Galati[1]. *[1]FAMEVZ-UFMT, Cuiabá, MT, Brazil.*

66. **Cutting heights of Marandu grass implanted under low technological level: Chemical composition in rainy-dry season.** Sérgio Antonio Garcia Pereira Junior*[1], Lilian Chambó Rondena Pesqueira-Silva[1], Edimar Barbosa de Oliveira[1], Marcella Martins Nunes Machado[1], Ane Elise Gonçalves Pajanoti[1], Kênia Larissa Gomes Carvalho Alves[1], Maria Fernanda Soares Queiroz[1] and Rosemary Laís Galati[1]. *[1]FAMEVZ-UFMT, Cuiabá, MT, Brazil*

67. **Convert HD364 grass implanted under low technological level and managed with different heights cutting: chemical composition in rainy- dry season.** Sérgio Antonio Garcia Pereira Junior*[1], Lilian Chambó Rondena Pesqueira-Silva[1], Edimar Barbosa de Oliveira[1], Silvio Márcio Vieira da Silva[1], Edvania da Silva Vasconcelos[1], Kênia Larissa Gomes Carvalho Alves[1], Maria Fernanda Soares Queiroz[1] and Rosemary Laís Galati[1]. *[1]FAMEVZ-UFMT, Cuiabá, MT, Brazil.*

68. **Rumen parameters of highly supplemented Nellore cattle on Marandu grass pasture under two herbage allowances[1].** Verônica Aparecida Costa Mota*[1], Rodolfo Maciel Fernandes[1], João Paulo Ramos Costa[1], Guilherme Felipe Berti[2], Chafic Mustafé de Almeida[3], Paloma Helena Gonçalves[1], Flávio Dutra de Resende[1,4], and Gustavo Rezende Siqueira[1,4]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]UNIFEB, Barretos, SP, Brazil, [3]UFMT, Sinop, MT, Brazil, [4]APTA-Polo Alta Mogiana, Colina, SP, Brazil.*

69. **Fatty acid profile in intramuscular fat of Nellore bulls grazing Marandu grass supplemented with protein/energy during the growth phase on wet period and low protein supplement on wet to dry transition period.** Adriana Cristina Ferrari*[1], Rondineli Pavezzi Barbero[1], Lutti Maneck Delevatti[1], Josiane Fonseca Lage[2], Flávio Dutra de Resende[3] and Ricardo Andrade Reis[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil, [2]Supervisora de pesquisa e desenvolvimento de produtos – bovinos de corte, Bellman/Trouw Nutrition, Campinas, SP, Brazil, [3]Pesquisador Científico da Agência Paulista de Tecnologia dos Agronegócios (APTA), Colina, SP, Brazil.*

70. **Additives in beef cattle supplementation grazing Marandu pasture.** Diego Monteira Renesto*[1], Alvair Hoffmann[1], Rhaony Gonçalves Leite[1], Tiago Luís da Ros Araújo[1], Lutti Maneck Delevati[1], Andre Luis da Silva Valente[1], Rondineli Pavezzo Barbero[1]and Ricardo Andrade Reis[1]. *[1]FCAV-UNESP, Jaboticabal, SP, Brazil.*

71. **Enzymatic activity of cellulase in tropical pastures managed with forage allowances by Dairy Cattle**[1]. Estella Rosseto Janusckiewicz*[2,6], Elisamara Raposo[2,7], Bruna Miassi Pereira Russomanno Martins[2], Marcela Azevedo Magalhães[3], Alan Rodrigo Panosso[4], Gabriel Maurício Peruca de Melo[5], Ana Cláudia Ruggieri[2,8]. *[1]study financed by FAPESP, [2]FCAV-UNESP, Jaboticabal, SP, Brazil, [3]UNIVASF, Petrolina, PE, Brazil, [4]FEIS-UNESP, Ilha Solteira, SP, Brazil, [5]UNICASTELO, Descalvado, SP, Brazil, [6]CAPES/PNPD Scholarship, [7]CNPq Scholarship, [8]CNPq productivity Scholarship*

72. **Kinetic paraments of elephant grass hay gas production ammoniated with urea and urease sources.** Leonardo F. de Morais[1], João Carlos de C. Almeida[1], Delci de D. Nepomuceno[1], Thainá de L. Risso*[2], Flavio Henrique V. de Azevedo[3], Raphael dos S. Gomes[3], and Mirton José F. Morenz[4]. *[1]PPGZ-IZ-UFRRJ, Seropédica, RJ, Brasil, [2]Discente em Zootecnia – UFRRJ, Seropédica, RJ, Brasil,[3]LZNA/CCTA/UENF, Campos dos Goytacazes, RJ, Brasil, and [4]Embrapa Gado de Leite, Juiz de Fora, MG, Brasil.*

73. **Kinetic paraments of urea ammoniated Tifton 85 hay gas production at two periods of ammoniation.** Leonardo F. de Morais[1], João Carlos de C. Almeida[1], Delci de D. Nepomuceno[1], Thainá de L. Risso*[2], Barbara Maria G. de Melo[2], Thaís Glaucia B. Moreira[3], and Mirton José F. Morenz[4]. *[1]PPGZ-IZ-UFRRJ, Seropédica, RJ, Brasil, [2]Discente em Zootecnia – UFRRJ, Seropédica, RJ, Brasil, [3]Discente em Medicina Veterinária – UFRRJ, Seropédica, RJ, Brasil, [4]Embrapa Gado de Leite, Juiz de Fora, MG, Brasil.*

74. **Determination of the leaf:stem ratio, protein content and phytochemical prospection of the *Arachis pintoi*, cv. Belmonte.** Thainá L. Risso*[1], Isabelle C. A. Machado[1], Debora R. Oliveira[1], Leonardo F. Morais[1], Delci D. Nepomuceno[1], Mário G. Carvalho[1], and João Carlos C. Almeida[1]. *[1]UFRRJ, Seropédica, RJ, Brazil.*

MAP OF CAMPUS

DIAMOND

affymetrix

GOLD

ABVista

trouw nutrition

SILVER

Leco

Phibro

Yes

Ajinomoto

Alltech

Evonik

BRONZE

kera

Agromix

GRASP

Field

Lallemand

illumina

Suiaves

ICC

TECHNOFEED

Phileo

Rural con

Neogen

SUPPORT

CAPES

PROPG

PROPE

CRMV SP

Fundunesp

FAPESP