

# OSCAR ALEJANDRO OJEDA ROJAS

## Curriculum Vitae

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### Education

- 2016 – 2020      **Ph.D. in Animal Sciences.** Emphasis on economy of livestock production  
University of São Paulo, Pirassununga, Brazil  
Dissertation: An agent-based simulation model to evaluate the technical, economic and financial performance of reproductive technologies in beef cattle.  
PhD scholarship financed by the Coordination for the Improvement of Higher Education Personnel (CAPES; Brazilian Ministry of Education)
- 2013 – 2015      **M.Sc. in Management and Innovation in Animal Industry**  
University of São Paulo, Pirassununga, Brazil  
Thesis: Simulation Model for Economic Analysis of the Use of Reproductive Biotechnologies in Dairy Herds. (Original language: Portuguese)
- 2010 – 2013      **Postgraduate Studies in Cattle Theriogenology**  
College of Agricultural Sciences, National University of Córdoba, Córdoba, Argentina.  
Thesis: Determination of Follicular Dynamics, Growth and Regression of the Corpus Luteum of Multiparous Buffaloes and Heifers of the Murrah Breed in the Colombian Tropics.
- 2001 – 2006      **Doctor of Veterinary Medicine**  
University of Tolima, Ibagué, Tolima, Colombia

### Language Skills

Spanish  
English  
Portuguese

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## Areas of Specialization

Animal Reproductive Physiology  
Animal Reproductive Biotechnologies  
Beef and Dairy Cattle Management and Production  
Beef and Dairy Herd's Economic Performance  
Simulation models

## Professional Experience

2022 – To date	<p><b>MS/Resident</b> University Of Florida, College of Veterinary Medicine, Department of Large Animal Clinical Sciences, Gainesville, Florida, United States Responsibilities: Instruction, service, and research activities with food animals (dairy 80%). Clinical activities with animals used for research at the University, also at private farms and ranches</p>
2021 – 2022	<p><b>Beef Cattle Intern</b> Deseret Ranch, St. Cloud, Florida, United States Responsibilities: Learn about the culture and expectations of the farm, division, and company. Become familiar with the ranch's standard operating procedures. Participate in planning meetings and work as part of the team in the units. Additionally, animal care, feeding, pasture rotation, infrastructure maintenance and pasture management</p>
2020 – 2021	<p><b>Dairy Cattle Intern</b> Cindale Dairy Farms, Marianna, Florida, United States Responsibilities: Treatment and drug administration, feeding, rotating pastures, maintaining infrastructure, and pasture management</p>
2015 – 2016	<p><b>Doctor of Veterinary Medicine</b> Sagrado Coração de Jesus Agricultural Company, Bofete, São Paulo, Brazil <u>Responsibilities:</u> Planning activities related to the Dairy and Bubaline herd as well as sheep production. I was in charge of timed artificial insemination programs, reproductive and sanitary management of cows, buffaloes, and sheep. I was also responsible for the systematization of all data using the "Ganadero TP" Software</p>
2011 – 2013	<p><b>Technical Director</b> Educational Foundation for equity and rural development. International agricultural training center (CIFA). Puerto Salgar, Cundinamarca, Colombia <u>Responsibilities:</u> As technical director, I was in charge of the sanitary and reproductive programs of dairy, beef and bubaline cattle. I coordinated all the activities related to hay and corn-silage production. I managed human resources, financial administration, and I had to program the academic activities of the center</p>

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- 2010 - 2011      **Ranch manager**  
Las Tinajas Agricultural Company, La Constancia Farm. Puerto Berrio, Antioquia, Colombia  
Responsibilities: I planned all the activities related to the breeding of pure Brahman cattle, animals' sales, the sanitary and reproductive programs, and general health of the herd. Additionally, I was in charge of financial management and human resources management
- 2010 - 2010      **Technical and Business Consultant**  
National Service of Learning (SENA). Duitama, Boyacá, Colombia  
Responsibilities: As an advisor to the program of Young Rural Entrepreneurs, I was responsible for the implementation, technical, and productive evolution of dairy and beef production projects for the department of Boyacá
- 2008 - 2009      **Ranch manager**  
Velagua Farm. Tolú, Sucre, Colombia  
Responsibilities: I planned all the activities related to the reproductive and fattening of beef cattle, and production and sale of corn silage. I was responsible for the TAI program and sanitary management. I was also in charge of financial management and human resources management
- 2005 - 2008      **Ranch manager**  
Gancebu Farm. Tolú Viejo, Sucre, Colombia  
Responsibilities: In this position I was in charge of the breeding of pure Brahman and Guzerat cattle and the production and sale of corn silage. I had to plan all the activities related to reproductive, sanitary, and nutritional management, as well as financial management and human resources management

## **Publications: Original Research papers and Conference papers**

Ojeda-Rojas, O.A. Bustos-Coral, D. Sartorello, G. Reijers, T.S.S.S. Pugliesi, G. Mercadante, M.E.Z. Goulart, R.S. Nunes, R. Gameiro, A.H. **An agent-based simulation model to compare different reproductive strategies in cow-calf operations: Economic performance.** Submitted to Theriogenology. December 30<sup>th</sup> 2021

Ojeda-Rojas, O.A. Gonella-Díaz, A.M. Bustos-Coral, D. Sartorello, G. Reijers, T.S.S.S. Pugliesi, G. Mercadante, M.E.Z. Gameiro, A.H. **An agent-based simulation model to compare different reproductive strategies in cow-calf operations: Technical performance.** Theriogenology. v. 160. 102-115, 2021

Díaz-Rodríguez, F. Ojeda-Rojas, O.A. Pugliesi, G. Ferraz Junior, M. V. Binelli, M. Vaz Pires, A. Perozzi Gameiro, M. Gameiro, A.H. **The Economy of Puberty and Early Pregnancy Diagnosis in Nellore and Nellore X Angus Females** Journal of Agricultural Studies. v. 8 n. 1. 165-179, 2020

# OSCAR ALEJANDRO OJEDA ROJAS

Reijers, T.S.S.S. Sartorello, G.L. Ojeda-Rojas, O.A. Raineri, C. Nogueira, M. Silva, R. Brito, T.B. Gomes Monteiro, A. L. Gameiro, A.H. **Economic Assessment of the Productive Parameters in Meat Sheep Production Using Discrete Event and Agent-Based Simulation.** Journal of Agricultural Studies v. 3, n. 3, 2019

Martins, T. Sponchiado, M. Ojeda-Rojas, AO. Gonella-Diaza, AM. Batista, EOS. Cardoso, BO. Rocha, CC. Basso, AB. Binelli, M. **Exacerbated Conceptus Signaling Does Not Favor Establishment of Pregnancy in Beef Cattle.** Journal of Animal Science and Biotechnology. v. 9, n. 87, 2018

Martins, T. Pugliesi, G. Sponchiado, M. Gonella-Diaza, AM. Ojeda-Rojas, AO. Diaz, F. Ramos, R. Basso, AC. Binelli, M. **Perturbations in the Uterine Luminal Fluid Composition Are Detrimental to Pregnancy Establishment in Cattle.** Journal of Animal Science and Biotechnology v. 9, n. 70 2018

Gonella-Diaza, A.M. Ojeda-Rojas, O.A. Grajales Lombana, H. Abuabara, Y. Hernández, A. **Serum concentration of sex-steroids, endometrial expression of their receptors, and endometrial morphology during the estrous cycle in Bos taurus Criollo and crossbred cows.** Journal of Applied Animal Research. v. 46, n. 1, 2018

Ojeda-Rojas, AO. Gonella-Diaza, AM. Sá Filho, MF. Nunes, R. Gameiro, AH. **A Simulation Model to Evaluate the Economic Consequences of Insemination Programs in Dairy Herds: Timed Artificial Insemination and Sex-Sorted Semen.** Revista Brasileira de Zootecnia. v. 47, 2018

Raineri, C. Ojeda, A. Gameiro, A. **Custos de produção na agropecuária: da teoria econômica a aplicação no campo.** [Production Costs in Agriculture: from Economic Theory to Field Application]. Empreendedorismo, Gestão e Negócios. 4 (4): 194-211, 2015. ISSN: 2238-0515

Sá Filho, MF. Nichi, M. Soares, JG. Vieira, LM. Melo, LF. Ojeda, A. Campos Filho, EP. Gameiro, AH. Sartori, R. Baruselli, PS. **Sex-Sorted Sperm for Artificial Insemination and Embryo Transfer Programs in Cattle.** Animal Reproduction. 11 (3): 217-224. 2014. ISSN: 1806-9614

Ojeda, A. Londoño, R. Gutierrez, C. Gonella-Diaza, AM. **Follicular Dynamics, Corpus Luteum Growth and Regression in Multiparous Buffalo Cows and Buffalo Heifers.** Rev. MVZ Córdoba. 19(2):4130-4140, 2014. ISSN: 0122-0268

## Continuing Education

### AnyLogic Simulation Software

GENOA. São Paulo, Brazil, July of 2017

### Economic and Marketing Analysis in Brazilian Livestock

# OSCAR ALEJANDRO OJEDA ROJAS

Laboratory of Socioeconomic Analyzes and Animal Science. Faculty of Veterinary Medicine and Animal Science. University of São Paulo, Pirassununga, 2017

## **Territorial Metabolism, Animal Production, and Environment**

Laboratory of Socioeconomic Analyzes and Animal Science. Faculty of Veterinary Medicine and Animal Science. University of São Paulo, Pirassununga, 2017

## **Material Flows in Brazilian Animal Production Between 1992 and 2013: Proposal of Mathematical Modeling to Reassess Sustainability in Relation to the Use of Nitrogen, Phosphorus and Potassium**

Laboratory of Socioeconomic Analyzes and Animal Science. Faculty of Veterinary Medicine and Animal Science. University of São Paulo, Pirassununga, 2017

## **Production Costs in Dairy Cattle**

AgriPoint Consultory. Piracicaba, São Paulo, 2016

## **Can Public-Private Partnerships Facilitate Entrepreneurship and Innovation in Agribusiness?**

Center for Comparative Studies on Health and Well-Being. Faculty of Veterinary Medicine and Animal Science. University of São Paulo, Pirassununga, 2015

## **IV Symposium on Agribusiness and Management**

Foundation of Agrarian Studies Luiz de Queiroz. Piracicaba, São Paulo, 2015

## **Market Intelligence in the Dairy and Dairy Sector**

Laboratory of Socioeconomic Analyzes and Animal Science. Faculty of Veterinary Medicine and Animal Science. University of São Paulo, Pirassununga, 2014

## **In Company - Advanced Excel**

Moraes Business management courses. Pirassununga, São Paulo, 2014

## **FutureBeff: High Technology and Genomics for Profit Maximization in Animal Protein Industry**

Laboratory of Socioeconomic Analyzes and Animal Science. Faculty of Veterinary Medicine and Animal Science. University of São Paulo, Pirassununga, 2013

## **International Symposium on Reproductive Biotechnology in Cattle, Buffalo and Small Ruminants**

Bogotá, Colombia, 2012

## **Awards and Distinctions**

November of 2016

### **Best Poster Presentation.**

**Efeito da variação na taxa de detecção de cio sobre parâmetros técnicos e econômicos em rebanhos leiteiros** [Effect of Variation of Estrus Detection Rate on Technical and Economic Parameters in Dairy Herds]

X Simpósio de Pós-graduação e pesquisa em nutrição e produção animal.

Departamento de Nutrição e Produção animal

Faculdade de Medicina Veterinária e Zootecnia - FMVZ / USP

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## Other relevant information

### **Colombian Red Cross Volunteer 1998 – 2000**

As a volunteer, I developed activities related to the accompaniment of the victims of the armed conflict in Colombia and migrant population, reestablishment of family contacts, promotion and prevention actions in populations where the health sector does not have a scope, care and transport to injured, reduction, mitigation and recovery in emergencies, intervention in the educational sector with activities or workshops of peace, action, and coexistence.