

CESAR ARMANDO VELASQUEZ RIOS

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OBJECTIVE

Hardworking and organized, with a background in solutions in agriculture, working on time and under budget while working as a team member or team leader. Enjoy creative problem-solving and exposure to multiple projects, and I would excel in the collaborative environment in which your company prides itself.

EDUCATION

COLORADO STATE UNIVERSITY

Fort Collins

Graduate Research Assistant

Fall 2023-

Thesis: *"Effects of extended colostrum feeding to calf-fed dairy-beef cross steers on health, performance, fecal resistome, and carcass characteristics."*

CLEMSON UNIVERSITY

Clemson, SC

Master of Animal Science

Summer 2023

Thesis: *"Effect of source of trace minerals on nutrient digestibility and rumen fermentation of dairy cows."*

ZAMORANO UNIVERSITY

Honduras

Bachelor of Animal Science

Dec 2018

Minor: Livestock

Thesis: *"Analysis of the effects of cattle meat crunching on reproductive parameters at the Guapinolapa ranch, Chontales, Nicaragua."*

LANGUAGES

- Spanish Native language
- Proficient in the English language

EXPERIENCE

CLEMSON UNIVERSITY

Clemson, South Carolina

Research Assistant

Jan 2021- Dec 2023

- Help design, execute, and analyze experiments for my master's thesis
- Being a co-author on one paper
- Participated in undergraduate teaching classes (6)
- Developed teaching materials for undergraduate courses (4)

LA VICTORIA RANCH

Honduras

Herd Manager

Jan 2019 – Dec 2020

- Supervised a crew of 8 members.
- Ensured that equipment was operated and maintained correctly
- Design a reproductive and nutrition program
- Provide economic reports monthly for improvements

KAINER DAIRY

Weimar, Texas

Intern

Jan 2018 – May 2018

- Obtain training and experience
- Being involved in their animal welfare program

ZAMORANO UNIVERSITY

Honduras

Research assistant

Jan 2015 – Dec 2018

- Design, and analyzed experiments for my bachelor's thesis
- Publish my thesis on the website of the university
- Participated in different congresses for growing products
- Knowledge of Dairy Industry

SKILLS

- Institutional Animal Care and Use Training
- Research Occupational Health Training
- Office 365 (Word, PowerPoint, Excel)
- Statistical Analysis System (SAS), JMP
- Formulate diets in NRC 2001
- Concentrate formulation Excel
- Blood Collection from adult cattle via tail vein
- Blood Collection from adult cattle via the jugular vein
- Blood sample processing
- Milk sampling from Cattle
- Research, writing, and peer reviewing
- Rumen sample collection from cattle
- Fecal and urine collection on cattle
- Growing and harvesting crops
- Dairy process
- Meat process
- Using fermenter for nutrition trials
- Neutral Detergent Fiber Assay
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AWARDS

Fellowship granted by the Y-Cross Ranch to pursue graduate studies in Colorado State University in 2024-2025.

Fellowship granted by Clemson University to pursue graduate studies in the United States in 2020

Fellowship granted by the program “Becas 20/20” Honduras to pursue graduate studies in the United States in 2020

Fellowship granted by the program “Becas 20/20” Honduras to pursue undergraduate studies in Honduras 2015

ACTIVITIES

- Ruminant Nutrition Journal Club. Animal Science Department. Fall 2020 - Spring 2021; Fall 2021 – Spring 2022; Fall 2022 – Spring 2023
- Association of Student Government (ASG), Clemson university, 2021-2022
- Forage Journal Club. Animal Department. Fall 2020- Spring 2021

INTERESTS

- Improvement in young animals
- Calf production on Beef on dairy requirements
- Create solution for problems on in young calves

JOURNAL ARTICLES

1. Oskey, M., C. Velasquez, O. M. Pena, J. Andrae, W. Bridges, G. Ferreira, and M. J. Aguerre. 2022. Yield, nutritional composition, and digestibility of conventional and brown midrib (BMR) pearl millet as affected by planting and harvesting dates and interseeded cowpea. *Animals* 2023, 13, 260. <https://doi.org/10.3390/ani13020260>
2. Peña, O.M.; Velasquez, C.; Ferreira, G.; Aguerre, M.J. Yield, Nutritional Composition, and In Vitro Ruminant Digestibility of Conventional and Brown Midrib (BMR) Corn for Silage as Affected by Planting Population and Harvest Maturity. *Agronomy* 2023, 13, 1414. <https://doi.org/10.3390/agronomy13051414>
3. Aguerre, M.J.; Peña, O.M.; Velasquez, C.; Ferreira, G. Nutritional Composition and In Vitro Ruminant Digestibility of Crabgrass (*Digitaria sanguinalis* (L.) Scop.) in Monoculture or Interseeded with Cowpea (*Vigna unguiculata* (L.) Walp) and Lablab (*Lablab purpureus* (L.) Sweet). *Animals* 2023, 13, 2305. <https://doi.org/10.3390/ani13142305>.