**Juan Carlos Ramos**

San Marcos, Guatemala

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|  |  | 330 Morrison HallDepartment of Animal ScienceCornell UniversityIthaca, NY 14853Ph: (531) 207-6339 |

**profesSional Profile**

* Technical knowledge in agricultural production and environmental management.
* Extension and outreach competences to identify research needs and transfer knowledge and technologies between academia, farmers, and stakeholders.

**EDUCATION**

2020 – 2022 **Master of Science**

 Mechanized Systems Management

 Biological Systems Engineering Department

 University of Nebraska-Lincoln

 Thesis: Assessment of manure treatment technology adoption and feedlot

 runoff monitoring opportunities

 **Advisors:** Amy Schmidt, Ph.D., P.E. and Richard Stowell, Ph.D., P.E.

2014 – 2017 **Bachelor of Science**

 Engineering in Environment and Development

 Zamorano University, Zamorano, Honduras

 Thesis: Tourist potential of the municipal head of San Antonio de Oriente,

 Francisco Morazán, Honduras

 **Advisors:** Bernardo Trejos, Ph.D. and Matha Calix, M. Sc.

2011 – 2013 **Agricultural Technical High School**

 Agricultural Training School (*Escuela de Formación Agrícola*, EFA)

 Caxaque Village, San Marcos, San Marcos, Guatemala

**LANGUAGES**

Spanish

English

**COURSES, TRAININGS AND HONORS**

**dATE COURSE, seminar OR honor LOCATION**

2022 Third place, Ron Sheffield Memorial Student Poster Oregon, Ohio

 Competition. Waste to Worth Conference

2021 Behavioral Research Investigators and Key Personnel. IRB Online

2020 Search Process Seminar for staff search committee Lincoln, Nebraska

 in UNL

2018 Missouri Department of Natural Resources Princeton, Missouri

 Concentrated Animal Feeding Operations (CAFOs)

 Class B Operator Certificate

 All-Terrain Vehicle Certified

 Tractor Operator Certified

 Land Application Operator Certified

2017 Science and Technology of Coffee (30 hours), Francisco Morazán, Honduras

 Zamorano and Foundazione Ernesto Illy

2015 – 17 2015, 2016 and 2017 Honor Roll, Francisco Morazán, Honduras

 Zamorano University

2013 Ing. Agro. Belarmino R. Barrios Prize for San Marcos, Guatemala

Highest Academic Honors, EFA

**Professional experience**

**On-Farm Research Coordinator** June 2022 – Present

Nutrient Management Spear Program

Department of Animal Science, Cornell University

Ithaca, New York

**Graduate Research Assistant** January 2020 – May 2022

University of Nebraska-Lincoln

Lincoln, Nebraska

**Land and Nutrient Management Technician Intern** May 2018 – May 2019

Smithfield Hog Production, Princeton, Missouri

**Temporal Research Technician Intern** January – April 2017

Smith Center for International Sustainable Agriculture

Institute of Agriculture, University of Tennessee

Knoxville, Tennessee

**Fertilization Department Intern** August – November 2013

Guatemalan Sugarcane Research and Training Center,

CENGICAÑA

Santa Lucía Cotzumalguapa, Escuintla, Guatemala

**Extension publications**

* Manure Treatment Technology Adoption by Swine Producers: Feedback Needed. [Nebraska Pork Talk Magazine](https://www.nepork.org/wp-content/uploads/2022/01/Pork-Talk-Jan-Feb-Mar-22.pdf) Volume 54 No. 1. January 2022.
* Transition of the [Nebraska Odor Footprint Tool](https://agsiteplanner.unl.edu/tools/NOFT/) from a spreadsheet to an online platform. Co-leader. January 2022.
* Antibiotic use in food animals and its effect on antimicrobial resistance spread and human health. Animal Manure Management, [UNL Water Website](https://water.unl.edu/article/animal-manure-management/antibiotic-use-food-animals-and-its-effect-antimicrobial-resistance) and [LPELC Website](https://lpelc.org/antibiotic-use-in-food-animals-and-its-effect-on-antimicrobial-resistance-spread-and-human-health/). May 2021.
* Critical Questions for New Animal Feeding Operations. [AgSitePlanner](https://water.unl.edu/critical-questions). Co-autor and content development leader. March 2021.
* Water productivity in meat and milk production in the US from 1960 to 2016 (Part I). Animal Manure Management, [UNL Water Website](https://water.unl.edu/article/animal-manure-management/water-productivity-meat-and-milk-production-us-1960-2016-part-i). July 2020.
* Water productivity in meat and milk production in the US from 1960 to 2016 (Part II). Animal Manure Management, [UNL Water Website](https://water.unl.edu/article/animal-manure-management/water-productivity-meat-and-milk-production-us-1960-2016-part-i). July 2020.

**Professional societies**

Soil Science Society of America (SSSA) 2022 – Present

American Society of Agronomy (ASA) 2022 – Present

American Society of Agricultural and Biological Engineers (ASABE) 2020 – 2022

**Conferences attended**

Waste to Worth Conference. April 2022

Oregon, Ohio

ASABE Annual International Meeting Meeting/Conference July 2021

Online

ASABE Annual International Meeting Meeting/Conference July 2020

Online

**Extracurricular Activities**

Okinawan Goju Ryu Karate: Gokyu rank (green belt). June 2020 – May 2022

Lincoln Martial Arts Center

Lincoln, Nebraska

Primary Programmer April 2021 – April 2022

BSE Graduate Student Association

Lincoln, Nebraska

Photography Juried Exhibition March 2022

ARTELATINX 2022, Gallery 1516

Omaha, Nebraska