

**University of Puerto Rico
Mayagüez Campus
College of Agricultural Sciences**

Annual Report 2024-2025

Submitted by:

Dr. Raúl E. Macchiavelli
Dean and Director

July 30, 2025

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General Information of the Dean's Office and Associated Units

A. Mission and Vision

1. Mission and Vision of the College of Agricultural Sciences

The College of Agricultural Sciences at the Mayagüez Campus of the University of Puerto Rico was founded with the establishment of the College of Agriculture in 1911, which became known a year later as the College of Agriculture and Mechanical Arts (CAAM). The 1942 University of Puerto Rico Law created the College of Agriculture. According to the 1966 University Law and Certification Number 13 of 1968 of the Higher Education Council, the College of Agricultural Sciences integrates formal education, research, and educational activities aimed at the community in various agricultural and complementary areas. These complementary and interdependent functions are carried out through a three-dimensional organizational scheme composed of the Faculty of Agricultural Sciences, the Agricultural Experimental Station, and the Agricultural Extension Service.

Mission - To develop new technologies through education, research, and extension to innovate in the production of agricultural inputs and products for humans and animals through an economically viable, sustainable, safe, and global agriculture that contributes to the improvement of the quality of life of society.

Vision - The College of Agricultural Sciences must be at the forefront in formal and non-formal education, as well as in research, seeking innovation in sustainable tropical agriculture systems and human and environmental sciences that benefit individuals, communities, and society in general.

2. Mission and Vision of the Faculty of the Agricultural Sciences

The Faculty of Agricultural Sciences (FAS) is the unit of the College of Agricultural Sciences (CAS) in charge of formal education. The Faculty of Agricultural Sciences is responsible for offering undergraduate and graduate programs. It offers 13 undergraduate programs and 10 graduate programs. The undergraduate programs leading to a Bachelor of Science in Agricultural Sciences are: Agricultural Sciences (General), Agronomy, Crop Protection, Horticulture, Soils, Agricultural Education, Agricultural Extension, Agricultural Economics, Agribusiness, Animal Science, and Agricultural and Environmental Systems. In addition, it offers a Bachelor of Science in Food Science and a three-year Pre-Veterinary program. The graduate programs leading to a Master of Science degree are: Agricultural Education, Agricultural Extension, Agricultural Economics, Animal Science, Agronomy, Soils, Horticulture, Crop Protection, and Food Science and Technology; in addition to the online Master's degree in Agricultural Economics. The PhD program in Tropical Agriculture started in August 2024.

Mission - To develop through education, research, and extension new technologies that innovate in the production of inputs and agricultural products for humans and animals through an economically viable, sustainable, safe, and global agriculture that contributes to the improvement of the quality of life of society.

Vision - The College of Agricultural Sciences must be at the forefront of both formal and non-formal education, as well as research, seeking innovation in sustainable tropical agriculture systems and in human and environmental sciences that benefit individuals, communities, and society as a whole.

3. Mission and Vision of the Agricultural Extension Service

The Puerto Rico's Agricultural Extension Service (PRAES) aims to educate individuals or communities through non-formal education for self-management. It has four educational programmatic areas: Agriculture, Marketing and Natural Resources (AMNR), Family and Consumer Sciences (FCS), Youth and 4-H Clubs, and Community Resources Development and (CRD). As part of the AMNR and FCS programs, pesticide application and management certifications, and the food safety course are provided. In addition, PRAES has the Plant Diagnostic Clinic.

Mission – To improve the quality of life of people living in socio-economic vulnerability through participatory action via a non-formal education process based on scientific research and focused on the aspirations and needs of families and communities.

Vision - Integrate the knowledge and know-how generated by the University System, governmental and non-governmental organizations, farmers, housemakers, youth, and communities to address their aspirations and needs. Establish partnerships with our collaborators to achieve common goals through non-formal education and participatory action.

4. Mission and Vision of the Agricultural Experiment Station

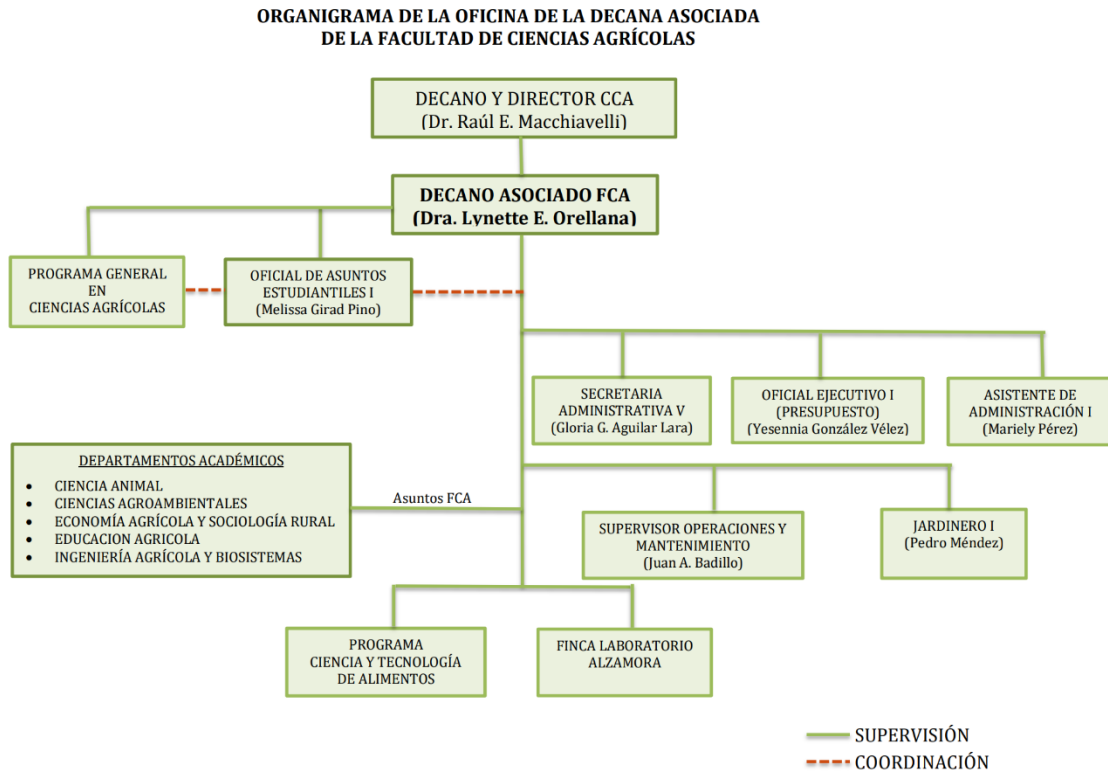
The Agricultural Experiment Station (AES) whose main purpose is to conduct research in agricultural sciences has seven main research areas: Milk and Meat Production Systems, Plant Genetic Resources, Plant Breeding and Production Systems, Integrated Pest Management and New and Emerging Diseases, Natural Resources and Environment, Agricultural Economics, Marketing and Community Development, Food Safety, Science and Technology, and Renewable Energy.

Mission - Promote a research program in tropical agriculture that safeguards the sustainability of food production and environmental conservation in Puerto Rico and the Caribbean, improving the quality of life and conservation of natural resources.

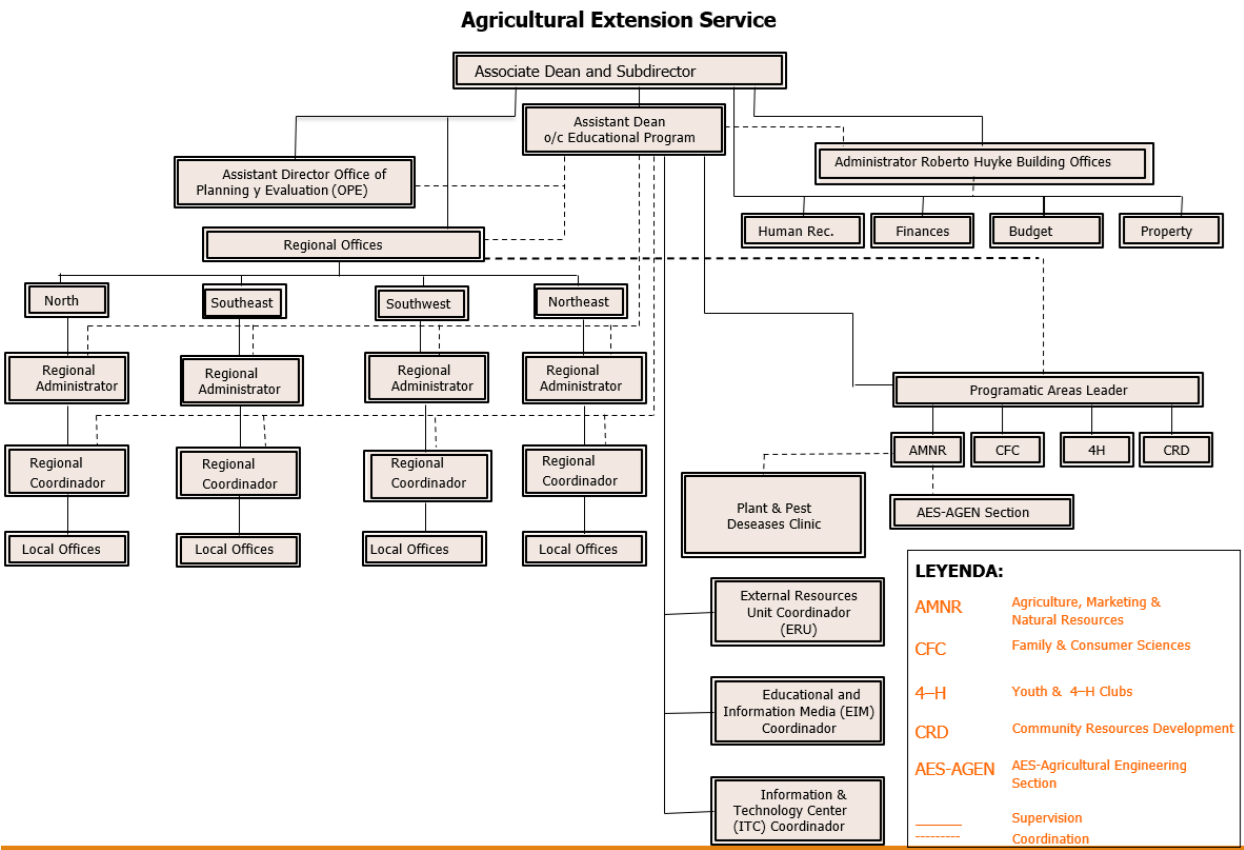
Vision - The Agricultural Experimental Station will be a leader in research that develops knowledge and technology in sustainable tropical agriculture for Puerto Rico and the Caribbean region.

2. Organizational Chart of associated units under the College of Agricultural Sciences

a. Faculty of Agricultural Sciences



b. Agricultural Extension Service



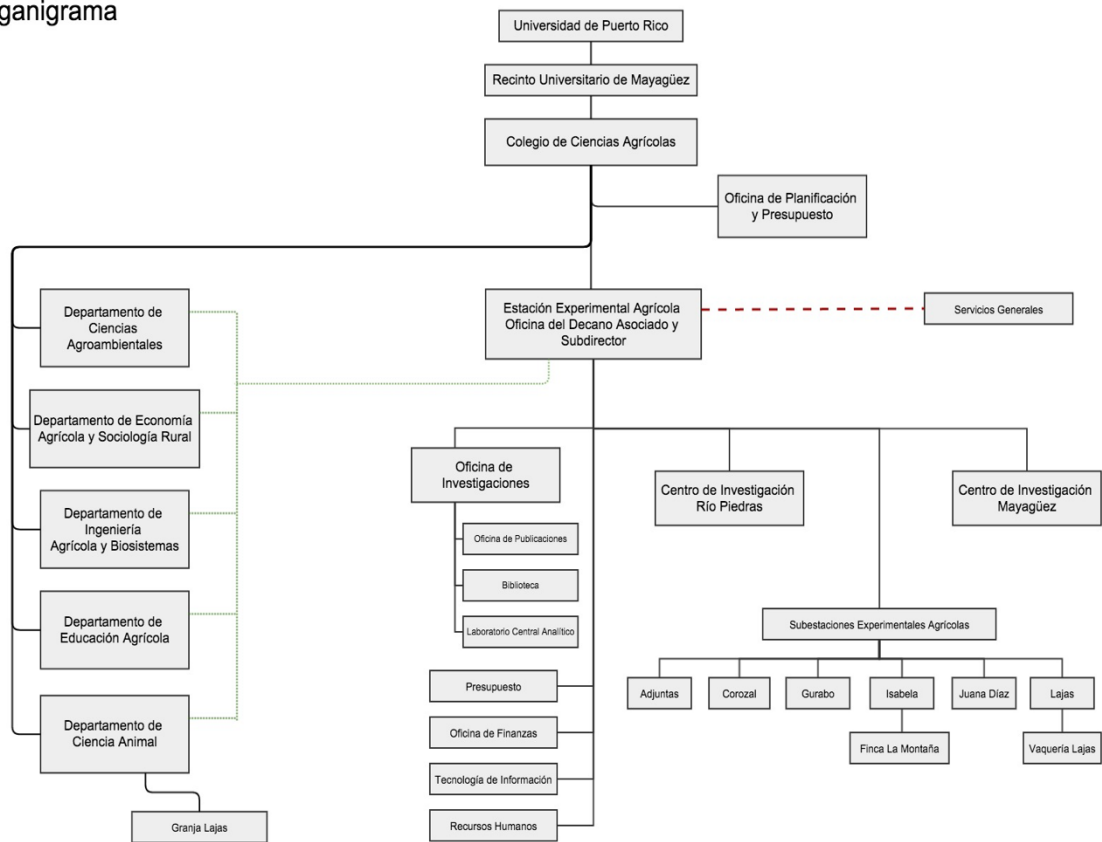
c. Agricultural Experiment Station

Universidad de Puerto Rico
Recinto Universitario de Mayagüez

Colegio de Ciencias Agrícolas

Estación Experimental Agrícola

Organigrama



Report of initiatives, activities and achievements in accordance with the Strategic Plan and International Activity**A. Executive Summary**

For the fiscal year 2024-2025, we continued to face significant challenges, as in previous years, due to the budget cuts imposed by the Fiscal Adjustment Plan (PROMESA Federal Law). With the budget reduction at all levels of the UPR university system, the services offered have been seriously affected in the three dimensions of our work: research, teaching, and outreach. On the other hand, we are also affected by the continuous loss of qualified managerial personnel and the lack of resources to hire replacements. As of today, we are still in the process of restoring the damage caused by hurricanes Irma and Maria in 2017, and Fiona in 2022. On the other hand, we are still dealing with delays in research projects caused by the COVID-19 pandemic. However, thanks to the commitment of our human resources, both teaching and non-teaching staff, the Agricultural Experimental Station (AES) continued its research activities. Likewise, the Agricultural Extension Service (PRAES) continued to work diligently to fulfill its mission while improving Strategic Planning and Evaluation processes, restructuring its administrative reporting and monitoring system, and expanding initiatives to strengthen non-formal education. On the other hand, the Faculty of Agricultural Sciences (FAS), through its academic departments, continued its mission to train professionals who can contribute their acquired knowledge to the development of agriculture in our country.

Throughout the 2024–2025 academic year, the College of Agricultural Sciences (CAS) executed a robust calendar of activities focused on student engagement, recruitment, outreach, academic recognition, and community involvement. These efforts reflect the College's commitment to promoting academic excellence, professional development, and institutional visibility. Highlights include:

1. Student Engagement and Integration

- Welcome Freshman 2024–2025 (August 1, 2024): Introduced incoming students to the administrative personnel and academic departments through targeted orientation sessions.
- Back to the RUM @ CCA (August 29, 2024): Fostered community building among students, faculty, and staff to support the transition of first-year students.
- 802–25 Open House (May 17, 2025): Designed for incoming students starting in August 2025, this event facilitated early engagement and orientation within the College.

2. Student Recognition and Celebration

- Honor Students Recognition Ceremony (February 3, 2025): Celebrated the academic achievements of 135 high-performing students from the 2023–2024 academic year.
- Promotion to Professional Life (June 11, 2025): Activity aimed to graduating students with guidance and resources as they prepared for their transition into the workforce.

- Celebrating the Holiday Spirit (December 13–20, 2024): A festive activity that encouraged students to share messages of gratitude and build a sense of community.
3. Outreach and Recruitment
- Expo Graduandos, Porta del Sol (October 3–4, 2024): Connected with high school seniors through informative outreach led by the Associate Dean's Office and the Department of Animal Science.
 - Open House UPRM (October 24, 2024): Promoted the College's 13 undergraduate academic programs through departmental presentations and interactive demonstrations.
 - Graduate Studies Open House (February 6, 2025): Offered prospective students detailed information on Master's and doctoral opportunities.
 - Puerto Rico Home Garden Expo (May 2–4, 2025): Engaged the broader community at Plaza Las Américas to increase awareness of CAS academic offerings.
 - Agriculture Week Challenge 2025 (June 16–20, 2025): Introduced high school students to career paths in agricultural sciences via a hands-on summer camp.
4. Academic Enrichment and Institutional Advancement
- Welcome Ceremony – Doctoral Program in Tropical Agriculture (December 3, 2024): Officially welcomed the inaugural cohort of nine doctoral students, marking a milestone in the College's academic expansion.
 - Agro Plug 2025 (March 27–29, 2025): An educational fair organized by students featuring academic exhibits, workshops, and research initiatives.
 - Agro Market (Oct. 17 & Nov. 14, 2024; Feb. 20 & Apr. 3, 2025): Provided entrepreneurial opportunities for students to promote and sell their agricultural products.

Through these comprehensive initiatives, the College of Agricultural Sciences continues to foster academic excellence, community engagement, and the professional development of its students.

In 2024, the Puerto Rico Agricultural Extension Service (PRAES) commemorated its 90th anniversary, celebrating nearly a century of significant contributions to education, community empowerment, and sustainable development. PRAES stands as the sole unit dedicated to non-formal education within both the College of Agricultural Sciences (CAS) and the University of Puerto Rico (UPR) System. Through a robust faculty and a multidisciplinary approach, PRAES employs diverse educational strategies to transfer science-based knowledge beyond traditional academic settings. Its programming reaches a wide spectrum of audiences—including farmers, youth, families, and community members—to promote healthier lifestyles, sustainable economic and technological practices, and social and environmental transformation, thereby fostering a more resilient and empowered Puerto Rican society. These contributions align directly with Objective 6 of the UPRM Strategic Plan: "To impact Puerto Rican society."

Each year, PRAES implements two structured island-wide methods—Merit Review and the Stakeholder Input Process (CASEA)—to assess the needs of its target populations. These assessments inform the development of its Annual Plan of Work and guide the design of programs and projects within its four programmatic areas.

This annual report presents the various initiatives, activities, and achievements accomplished during this fiscal year. We express our gratitude to all staff members and personnel for their demonstrated commitment during these challenging times.

B. Objective I: Institutionalize a culture of strategic planning and assessment

1. Developing and updating metrics

Agricultural Extension Service

During the 2024–2025 academic year, the Puerto Rico Agricultural Extension Service (PRAES) launched the Program Evaluation and Reporting System (PEARS), a new online platform designed to provide real-time data on the performance of Extension personnel. This system not only facilitates the systematic documentation of programmatic activities but also enables timely, data-informed decision-making to improve service delivery. PRAES emphasizes the collection of both process and outcome data, aligning its evaluation efforts with short-, medium-, and long-term indicators as outlined in the Program’s Logic Model. Comprehensive training workshops on the effective use of the PEARS platform were delivered to all PRAES faculty across the island. Currently, 35 Action Plans are active within the platform, each detailing specific educational activities and performance objectives. Regarding the Stakeholder Input Process, PRAES implemented a strategic initiative to reorganize and revitalize the Agricultural Extension Service Advisory Committees (CASEA) throughout Puerto Rico. In conjunction with the recruitment of twenty-one new Agricultural Agents and Family and Consumer Sciences Educators, this effort seeks to strengthen the relationship between newly appointed personnel and established farmers, community leaders, and local organizations. The initiative is intended to enhance collaborative engagement, improve programmatic outreach, and ensure that Extension services remain adaptive and responsive to the dynamic needs of Puerto Rican communities.

Department of Agricultural and Biosystems Engineering

The Department of Agricultural and Biosystems Engineering approved two new assessment plans: one for student learning and another for resources and services. Both plans establish the framework and evaluation processes, with the specific areas and metrics to be determined annually by the department’s Assessment Committee. The plans will be implemented in the 2025-2026 academic year and will be periodically revised as needed to ensure their effectiveness and alignment with departmental and institutional objectives.

Department of Agricultural Economics and Rural Sociology

Appraisal activities (academic and/or administrative)

- Meetings during the semesters of the departmental Academic Affairs Committee. IMI's and Quotas, departmental award evaluations were reviewed.
- Semi-annual meetings of the departmental Graduate Committee.
- Semi-annual meetings of the Personnel Committee: promotions, recruitment, partial appointments for retirees.

2. Improvement initiatives based on metrics

To foster a culture of strategic planning and evaluation, the CAS has the Strategic Planning and Evaluation Committee, which carries out the following functions: a) Develop and ensure the implementation of strategic and evaluation plans of the College of Agricultural Sciences; b) Develop integrated methods among all units and departments to track, support, and provide visibility to the activities and metrics of the CAS Strategic Plan; c) Develop integrated evaluation activities, guidelines, and/or recommendations to systematically assess the different processes outlined in the Strategic Plans; d) Review the results of the evaluation activities of the units and provide recommendations; and e) Present a semi-annual report to the Dean and Director on the work and activities carried out by the committee.

During this year, the committee met frequently to address priorities in the objectives of the CAS Strategic Plan and its implementation. As part of **Objective 4 - Increase and Diversify Sources of Income for the CAS**, the activity of establishing a training program for the ethical and optimal management of fiscal and human resources was carried out. Ms. Vanessa Alequín Báez, Administrative Officer for Equal Employment Opportunity (EEO) and American with Disabilities Act (ADA Law), collaborated with the committee in preparing a training plan aimed at personnel with managerial and administrative functions so that, in addition to acquiring knowledge, they could develop skills and abilities to assist them in the exercise of sound public administration. The following workshops were coordinated by Ms. Alequín and conducted during the fiscal year 2024-2025:

Equal Employment Opportunity Office				
Staff Training Plan (including faculty and non-faculty) – Fiscal Year 2024-2025				
Lecturer	Agency/ Entity	Date	Theme	Participants
Dra. Ana Gonzalez	FHC, Inc.	September 6, 2024	Nourishing myself (self-care skills)	64
Mrs. Maria Abrams	Women Prosecutor Office	October 3, 2024	Warning signs of gender violence	53
Dr. Javier Laboy	FHC Inc.	October 10, 2024	Stress and anxiety	101

Dra. Ruth Mercado	UPR Cayey	October 18, 2024 October 25, 2024	Technological assistance for labor inclusion (focus on people with disabilities)	10 8
Dra. Ruth Mercado	UPR Cayey	October 18, 2024 October 25, 2024	Functional diversity for inclusion	15 12
Dra. Ana Gonzalez	FHC Inc	February 11, 2025	Navigating our emotions	64
Dra. Ana Gonzalez	FHC Inc.	February 18, 2025	Challenges of a leader	92
Mrs. Iris Soto Mrs. Alveliz Guzman	Liaison Office RUM	February 25, 2025	Retirement Process at UPR System for Extension Service personnel and faculty	15
Mrs. Iris Soto Mrs. Alveliz Guzman	Liaison Office RUM	March 12, 2025	Retirement Process at UPR System for Agricultural Experiment Station personnel	22
Dra. Ruth Mercado	UPR Cayey	March 21, 2025	Emotional intelligence to be more competitive in the workplace	15
Dr. Mauricio Lizama	PRATP UPR RP	April 3, 2025	Technology assistance for computers and tablets	39
Dra. Ruth Mercado	UPR Cayey	May 9, 2025	Functional diversity for inclusion	5
Dra. Ruth Mercado	UPR Cayey	May 9, 2025	Emotional intelligence to be more competitive in the workplace	100

Agricultural Extension Service

PRAES Planning and Evaluation Office strengthened the Stakeholders and Merit Review process by incorporating two qualitative research methodologies. Initially, a focus group was conducted to explore and document the priority needs identified by programmatic collaborators, including representatives from both governmental agencies and non-governmental organizations. Subsequently, a nominal group technique was employed to systematically classify and prioritize these identified needs based on relevance and feasibility. Transcripts from meetings of CASEA were subjected to rigorous content analysis, focusing on thematic frequency and potential impact. The findings from these qualitative assessments were instrumental in informing the development and refinement of the PRAES NIFA Plan of Work FY2026, ensuring that programmatic strategies remain closely aligned with stakeholder priorities and emerging community needs.

Agricultural Experiment Station

Below is a breakdown of some key activities undertaken as part of Gurabo Substation ongoing initiatives to continue positively impacting various communities:

- Field Days (2) led by Dr. Verónica Negrón, each welcoming 15 Animal Science students. Attendees received a guided tour of the EEA, where they were introduced to various ongoing projects, including a presentation on the work carried out at the Animal Reproduction Research Center.
- Agroecological Producers and Promoters Course, offered in collaboration with El Josco Bravo and facilitated by Dr. Alfredo Aponte Zayas, with approximately 20 participants.
- The Eastern Soil and Water Conservation District held its 2024 Annual Assembly at the Gurabo EEA, aimed at providing a space for farmers and communities to strengthen strategic alliances, share resources, and promote effective collaboration (approx. 30 participants).
- Field Day on Soil Sampling and Results Interpretation, conducted by Dr. Julia O'Hallorans, as part of project Z-402 (approx. 30 participants).

3. Assessment of results**Agricultural Extension Service**

Five months following the implementation of the PEARS platform, a total of 1,821 programmatic activities were documented, involving the engagement of 1,080 volunteers who collectively reported approximately 13,000 hours of service. Notably, 97% of these activities were delivered through in-person modalities, underscoring the continued emphasis on face-to-face community engagement within PRAES programming.

In February 2025, a total of 38 CASEA and 4 Merit Reviews meetings were conducted across the four Administrative Regions of PRAES, bringing together 435 stakeholders representing the organization's four Programmatic Areas. These sessions served as critical forums for participatory planning and needs assessment. The most frequently cited community needs, which were subsequently integrated into the PRAES Fiscal Year 2026 Action Plan, included: infrastructure deficiencies (47.4%), services for senior citizens (42.1%), youth employment opportunities (34.2%), the development of community gardens and promotion of local food production (28.9%), community organization and leadership development (26.3%), and family and emotional health support (26.3%).

Agricultural Experiment Station

Approximately \$25,687.00 in revenue was generated through the sale of compost, vegetables, plantains, pumpkins, pineapples, peppers, taro, malanga, papayas, replacement heifers, and breeding bulls at Gurabo Substation. In addition, approximately \$37,400 was recorded as inter-account transfers from the shipment

of livestock to the Lajas Substation. Looking ahead, the Substation expects to continue generating income through the sale of surplus products resulting from ongoing research projects at the Gurabo Substation. To support these efforts, we remain committed to promoting and disseminating our mission and research outcomes. Community interest in the Gurabo Substation continues to grow, as reflected in the steady increase in social media followers. There has also been an expansion in the amount of land used for planting and research. As part of Project H-372, under the IR-4 Integrated Pest Management Program led by Dr. Wilfredo Robles, crops such as pineapples, bananas, and papayas were planted and harvested. Furthermore, Project H-547, focused on rotational grazing of small ruminants, was launched to further expand our impact across multiple agricultural sectors.

Department of Agricultural Economics and Rural Sociology

A five-year evaluation conducted on the academic programs by our department.

Department of Agricultural Education

Through Dr. Janitza Saavedra, CAEP standards for student performance assessment and the agricultural education curriculum were implemented as part of the program's reaccreditation process. The program's impact was also evaluated based on the perceptions of school principals, cooperating teachers, and alumni.

4. Resources assigned to meet the objectives of the strategic plan.

Faculty of Agricultural Sciences

The amount of \$10,772.40 was assigned for the following academics activities:

- “Back to the RUM at CCA” on August 29, 2024 for new and regular students (\$2,342)
- Open House UPRM on October 24, 2025 (\$994)
- Welcome activity to students of Doctoral Program in Tropical Agricultural in Puerto Rico on December 3, 2024 (\$345)
- Honor Roll Student Activity of Faculty of Agriculture Sciences on February 3, 2025 (\$4,804)
- Open House of Business Administration on March 29, 2025 (\$100)
- Open House of Faculty of Agriculture Sciences at UPRM on May 17, 2025 (\$1,395)
- Promotion to Professional Life on June 11, 2025 (\$3,134.40)

Agricultural Extension Service

To support the advancement of strategic plan objectives —specifically, the institutionalization and continuous enhancement of a culture of evaluation and assessment, as well as the implementation of agile and efficient administrative

processes—PRAES has adopted a new Program Evaluation and Reporting System (PEARS). This online platform, developed and provided by Canopy, a Public Benefit Limited Liability Company (LLC), offers state-of-the-art, real-time data management and analytical tools designed to facilitate the planning and evaluation of Extension objectives and personnel performance. The annual cost of access, which includes licensing, service, and technical support, is \$25,000. The platform's user-friendly interface, robust analytical capabilities, real-time data accessibility, and operational reliability significantly exceed those of existing institutional resources, rendering it a superior solution for meeting strategic planning objectives. Funding for the annual PEARS license is secured through PRAES's self-generated revenues, specifically from the Pesticide Certification Program.

Agricultural Experiment Station

As part of the resources allocated to support the strategic plan objectives of the Agricultural Experiment Substations, new hires were made to fill Farm Worker positions using external research funds. In addition, the stations received administrative funds and project-based funding to cover expenses related to maintenance, repairs, and the sustainability of ongoing projects.

C. Objective 2: To lead higher education throughout Puerto Rico while guaranteeing the best education for our students

1. Curricular reviews

Department of Agroenviromental Sciences

The five-year evaluation of the curricular sequence in Plant Biosecurity was completed, and final report submitted. The quinquennial evaluations for the undergraduate and graduate programs in Agronomy, Soil and the Five-year evaluation of the curricular sequence in Natural Resources are in the final stages and final reports for the three evaluations are pending.

Department of Animal Science

The Department of Animal Sciences developed a curricular sequence in Meat Industries.

Department of Agricultural Education

Dr. Janitza Saavedra participated in the reengineering process of the academic programs of the Department of Agricultural Education.

2. Recognition given to teaching staff for academic and/or professional achievements

Faculty of Agricultural Sciences

Dra. Merari Feliciano-May 9, 2025, received the “Chancellor’s Distinguished Research & Innovation Award 2025”.

Agricultural Experiment Station

A Service Recognition Ceremony for Agricultural Experiment Station personnel was held at the University of Puerto Rico at Mayagüez (UPRM), during which employees were honored for years of service.

Department of Agroenvironmental Sciences

- Dr. Oscar Abelleira: Plaque of Appreciation – Natural Resources Association (ARENA) – April 23, 2025
- Dra. Merari Feliciano: Chancellor’s Distinguished Faculty (Agricultural Science Faculty) Research and Creative Endeavor Award 2025

Department of Agricultural Education

Dr. Janitza Saavedra Lugo was recognized as Outstanding Woman of the Northern District 2025 by the College of Agronomists in March 2025.

3. Initiatives to strengthen teaching

- i. New or different technology used in the classroom

Department of Agroenvironmental Sciences

- Dr. Wilfredo Robles use: Drones for Weed Monitoring in the Weed Control course (PROC4017). In addition, he used mobile applications and electronic platforms on the Pesticides and their use in Agriculture (PROC4019) course.
- In the Nursery Management Course, Dr. Lizette González incorporates Sustainability practices (solar-powered irrigation system and the use of green plants manure).
- Dr. Linares used digital platforms to conduct interactive genetics exercises in the course Plant Breeding (CFIT 4007).
- Dr. Macchiavelli adopted new statistical software (Navure®) to the courses AGRO5005 and AGRO6600.

- ii. Teacher training activities (Please refer to Attachments I and II)

- 4 Student important achievements in academic competitions, sport, or cultural activities

Faculty of Agricultural Sciences

- Participation of students from the College of Agricultural Sciences in the State Competitions of the Future Farmers of America (FFA) – Junely Nieves, General Program in Agricultural Sciences.
- Participation in the Annual Art Exhibition at the UPRM Art Museum (MUSA) – Víctor A. Robles Molina, Food Science Program, with an acrylic painting on canvas titled "Miedo a sonār" and Eliudes S. Camps Marcano, Agroenvironmental Science Department presented two ceramic pieces: "Las quenepas del expreso" and "Las últimas guanábanas de Goyín".
- Participation of students from the Doctoral Program in Tropical Agriculture in the SESO Agricultural Fair – Alberto Maldonado.

Agricultural Extension Service

- Jafet Santos, a student in Agroenvironmental Sciences and College 4-H member, was recognized as a 4-H National Bee Champion for his knowledge and skills in beekeeping practices and was a finalist in the 4-H Youth in Action Leadership Program which recognizes 4-H youth who are making a significant impact in their communities.
- A 4-H delegation comprised of four students, was awarded a \$3,800 scholarship to support their participation and presentation titled Safe Space at Juan Ponce de León school at the 2025 Ignite 4-H Conference. This youth summit helps teens develop their leadership through inspiring speakers, hands-on workshops, and off-site experiences.

Department of Agroenvironmental Sciences

- Academic and Scientific Dissemination Following Study Abroad in Belize- Following a two-week study abroad program in Belize, during which students gained knowledge about Mayan soils, a forum was held on October 29, 2024, to present and discuss the experiences and academic insights gained during the trip (May 19 to June 7, 2024).
- Additionally, in December 2024, students and faculty participated in the Annual Assembly of the Puerto Rican Society of Agricultural Sciences (SOPCA), where a research poster was presented highlighting the most relevant soil types observed in Belize, including Vertisols, Mollisols, and Alfisols.

Department of Animal Science

Karla N. Ormaza-Rivera (1st place oral presentation) and Adriana P. Lugo-Tosado (1st place poster presentation) during the annual SOPCA meeting. December 2024.

Department of Agricultural Economics and Rural Sociology

5th Applied Economic Annual Congress. 20 undergraduate and graduate students participated in the 5th Applied Economic Annual Congress, on May 9, 2025.

5. Strengthening of facilities for academic use

i. Improvements to facilities

Faculty of Agricultural Sciences

Acquisition of three water fountains in the building

Agricultural Experiment Station

As part of improvements to the electrical power system at Gurabo Substation, Project Z-401—a proposal for the installation of solar panels at the Animal Reproduction Laboratory (CIRAT)—was approved. This initiative will benefit both research personnel and participating students.

Department of Agroenvironmental Sciences

- New Equipment (projector and Projector Screen) to Enhance Laboratory Instruction in Soil Sciences.
- Installation of Renewable Energy Systems in Shade Structures Used for Teaching Purposes (Finca Alzamora).

Department of Agricultural Economics and Rural Sociology

Institutional Technology Funds: \$27,787.74

- Desktop acquisition (17): \$25,967.74

ii. Acquisition of specialized equipment

Department of Animal Science

The Department of Animal Sciences acquired a Real Time PCR, a refrigerated centrifuge and a lab-quality refrigerator.

Department of Agricultural and Biosystems Engineering

The Department of Agricultural and Biosystems Engineering enhanced its academic and research infrastructure through the acquisition of specialized equipment to support student learning and faculty research. During the 2024–2025 academic year, 21 workstation computers and a Leaf Porometer were

acquired with funds from the Cuota de Tecnología. These resources will support the establishment of the Remote and Proximal Sensing Center in the 2025–2026 academic year and contribute to instruction and research on plant-environment interactions and geospatial technologies.

Additionally, Dr. Javier A. Huertas acquired a Bambu 3D Laser Printer, a Falcon2 Pro Laser 60W Engraver & Cutter, and an HP T210 24-inch Thermal InkJet Plotter Printer using research project funds under HATCH Project 557. These tools enhance the department's capacity for applied research and student training in agricultural processing and design.

Department of Agricultural Economics and Rural Sociology

Upgraded 17 licenses of the STATA program

D. Objective 3: To increase and diversify the Institution's sources of revenue

1. Initiatives to obtain funds

Agricultural Extension Service

During academic year 2024–2025, the Pesticide Applicator Program (PAP), administered by PRAES, delivered a total of 100 training courses, resulting in the certification of 985 regular pesticide applicators and 82 commercial-grade applicators. These activities generated \$219,141.00 in program revenues. Additionally, PAP secured an external contract with the Puerto Rico Department of Agriculture's Administration for the Development of Agricultural and Livestock Industries (ADEA), yielding an additional \$200,000. The program's total annual revenue for the period amounted to \$419,141.00.

Between October 2024 and March 2025, the Family and Consumer Sciences Program, administered by PRAES, certified 417 new participants from the food industry through its Food Safety Certificate Course Program. This initiative generated \$34,850 in revenues.

The recently established Master Gardeners Program, implemented by PRAES, successfully completed its inaugural certification course, enrolling 150 participants and generating \$22,500 in revenue. The program is anticipated to catalyze a growing interest in sustainable agriculture across Puerto Rico, positioning Master Gardening as an emerging trend. This initiative is expected to contribute to the continued expansion of PRAES's revenue base.

2. Own income and intended use.

Agricultural Extension Service

A portion of the revenues reported in Objective 3-1 is being allocated to support structural improvements and necessary repairs within PRAES offices, as well as to cover operational expenses associated with the implementation and maintenance of the new Program Evaluation and Reporting System (PEARS).

Agricultural Experiment Station

Fiscal year 2025 has produced income of \$114,084.00 as of 4/30/25 at Juana Díaz Substation. The projection for the remainder of the year until 6/30/25 is \$27,000.00, for a combined total of \$141,084.

At the Adjuntas Substation, income is generated through the production of disease-free citrus trees and coffee trees, which are sold to farmers through the Department of Agriculture. Coffee bean seeds are produced and sold to the Department of Agriculture. We also produce disease-free citrus vegetative material for grafting. This generated \$56,551.00 in equity for this fiscal year (2024-2025).

At Gurabo Substation, the sale of compost continues as an additional source of self-generated income, along with the sale of various crops harvested, generating approximately \$5,372.00. A breakdown is provided below:

Initiative/Project	Source type(internal, external, or Self-generated Income)	Amount	Purpose/Intended use
Breeding and Sale of Holstein Cattle	Self-generated Income	\$57,715.00 approx.	Development and Management of the Gurabo Substation Herd (Reflected in A-021 Livestock PI)
Other Products (plantain seeds, squash, plantains, taro, among others)	Self-generated Income	\$5,302.00 approx.	Maintenance and Expansion of the Crop Project (Reflected in A-021 Experimental PI)
Land Leasing	Self-generated Income	\$1,000.00	Reflected in A-021 Experimental PI

Department of Agricultural Economics and Rural Sociology

- Funds received for course offerings through RUMex:
ECAG 3005-001D (Principles of Agricultural Economic Analysis)
ECAG 3007-001D (Computer Use in Agricultural Sciences)

The department accumulates 20% of the surplus after payment of the salaries and marginal benefits of the teachers of the sections that belong to that department as established by Certification 21-46 in Number XV, letter B, point

3. Collaboration agreement (purpose, validity, and agency name)

Organization	Effective Date	Purpose
Asociación Hecho en Puerto Rico, Inc.	04/09/24 – 04/09/27	Agricultural Experiment Station – Promotion and sales of seed from ‘Proyecto de Semillas Selectas’; vending machines in Plaza Las Americas.
Department of Economic Development and Commerce	05/22/24 – 05/21/29	Agricultural Experiment Station - Administrative support for the development of the Food Science and Technology Program. Dr. Lynette Orellana – Project Leader
Department of Agriculture - ADEA	08/29/24 – 06/30/25	Agricultural Experiment Station – Contract for the Purchase and Sale of Seeds and Other Agricultural Materials – Adjuntas Subexperiment Station.
Tropical Dairy Genetics LLC	09/13/24 – 09/13/26	Agricultural Experiment Station - procurement by TDG of Holstein Slick IVF Frozen DT Embryos.

E. Objective 4: To implement efficient and expedient administrative procedures

1. Automation of processes

Agricultural Extension Service

Following the implementation of the new Automated Assistance Reporting System, UKG Pro Workforce (known as Kronos), a series of five training workshops were conducted to facilitate institutional adoption. As a result, a total of 129 non-academic staff members were formally certified in the effective use of the system.

2. Establishment and documentation of internal administrative procedures

Agricultural Extension Service

In conjunction with the implementation of the new reporting platform, PEARS, the Office of Planning and Evaluation of the Puerto Rico Agricultural Extension Service (PRAES) undertook a comprehensive review and revision of all related planning and administrative documents and procedures. This effort aimed to ensure alignment with the platform's reporting requirements and enhance the efficiency of program evaluation processes. Among the revised instruments and procedural guides are the following: Formulario PE-1 (Educational Activities Evaluation Form), Formulario PE-2 (Municipality Demographic Data Form), Formulario PE-3 (CASEA Annual

Report on Priorities and Achievements), Formulario CE-9 (Time and Effort Distribution per Action Plan), Digital Educational Activity Assistance Form, Methodological Guide for Conducting CASEA Nominal Groups, and Guide for the Conduction of CASEA Meetings. All these documents are easily accessible online on PRAES website.

3. Evaluation of administrative processes

Faculty of Agricultural Sciences

The executive officer of the Faculty constantly evaluates the document routing processes for signatures, such as LD-T002 and RH-T002. She establishes review channels to make it easier for essential personnel to check these documents, ensuring that they can continue through the signing process without being returned due to errors related to Human Resources and Budget.

4. Improvement and recognition activities aimed at administrative and support staff.

Faculty of Agricultural Sciences

Administrative Professionals Day was an activity carried out to recognize the work, effort, and excellent performance of the support staff of our Faculty. May 1, 2025.

Agricultural Extension Service

Under the theme 90 Years of Commitment and Transformation: A Legacy of Participatory Education, an educational, fellowship, and recognition event honoring the non-teaching personnel of the Agricultural Extension Service was held on June 7, 2024. The activity brought together approximately 170 participants at the facilities of Finca La Zafra, located in the Municipality of Gurabo, to celebrate the enduring contributions of the Agricultural Extension Service to Puerto Rican society. The event also served to acknowledge the vital role played by non-teaching staff in advancing the institution's mission. A formal awards ceremony was held, during which several non-teaching employees were recognized for their exemplary service and dedication. Special distinction was given to two staff members who have each dedicated 56 years of service to the institution, highlighting their extraordinary commitment and legacy.

Agricultural Experiment Station

The conference room is used to offer government ethics workshops as a training activity for administrative and support staff at Gurabo Substation. Additional workshops are being coordinated to strengthen employees' skills in their respective work areas. In addition, an educational workshop on the proper use and handling of the first aid kit located in the main buildings was provided to Gurabo Substation personnel.

The Adjuntas Substation uses Adobe Sign to facilitate and streamline administrative processes. The Semilla Selecta website is used for the sale of citrus trees, coffee trees, and coffee flour. The digital punch card has been introduced to record employee attendance.

The Lajas Substation maintains its seed sales system through the website: semillas.eea@uprm.edu, where seeds produced at the Substation are available for purchase. Customers can order seeds online using electronic payment methods, and the seeds are shipped by mail. Soon, we will implement the PIVOT payment system to streamline the collection process. Additionally, we are developing a network of seed vending machines at commercial locations across the island to improve consumer access. Currently, there is one located at Plaza Las Americas, at the University of Puerto Rico at Mayagüez, and at the Botanical Garden in Rio Piedras.

Department of Animal Science

April 22, 2025. Department of Animal Science's Picnic at Finca Alzamora to celebrate the week of administrative staff where faculty and graduate students were also invited.

Department of Agricultural and Biosystems Engineering

The College of Agricultural Sciences organized an activity on May 1, 2025, at the Tarzán Room to recognize the contributions of administrative staff. The Department of Agricultural and Biosystems Engineering participated in this event, which aimed to acknowledge and promote the continued commitment and service of non-teaching personnel within the College.

Department of Agricultural Education

An activity was held under the theme: "90 Years of Commitment and Transformation: A Legacy of Participatory Education" for the non-teaching staff of the Agricultural Extension Service. The event took place on Friday, June 7, 2024, at the La Zafra Farm in the municipality of Gurabo. The Secretary of the Department of Agricultural Education participated.

F. Objective 5: To strengthen research and competitive creative endeavors

1. Quantity of external funds received, by source, for research and creative work.

Agricultural Extension Service

Agency/Entity Name	Amount
USDA-NIFA	\$859,834.10
USDA-NRCS	\$1,152,874.99
SOUTHERN RESEARCH & EDUCATION	\$91,089.00
USDA-FS	\$135,000.00
FOUNDATIONS	\$38,062.00
NIFA/SMITH LEVER 3(B) & (C) FY 2024 (Capacity Funds)	\$7,575,792.00
EFNEP (Capacity Funds)	\$1,474,452.00
RREA (Capacity Funds)	\$13,500.00
TOTAL	\$11,340,604.10

Agricultural Experiment Station

Agency/Entity Name	Amount
Hatch, McIntire Stennis, Animal Health (Capacity funds)	\$2,310,642.36
National Institute of Food and Agriculture (USDA-NIFA)	\$441,719.72
Other	\$5,354,806.36
TOTAL	\$8,107,168.44

2. Total number of proposals submitted and approved by department.

Agricultural Extension Service

During the reporting period, a total of 17 competitive proposals were submitted to various sources for a total of \$4,048,033.68. Of these, 11 were awarded (\$1,290,040.96), and 2 are pending for approval (\$44,750.00).

Department	Number of proposals submitted	Number of proposals approved	Number of proposals declined	Number of proposals pending
Animal Science	0	0	0	0
Agroenvironmental Sciences	5	4	1	0
Agricultural Economics and Rural Sociology	2	2	0	0
Agricultural Education	4	1	3	0

Department	Number of proposals submitted	Number of proposals approved	Number of proposals declined	Number of proposals pending
Agricultural Engineering and Biosystems	1	1	0	0
Other (includes agricultural agents who are not assigned to academic departments)	6	4	0	2

Agricultural Experiment Station

For the fiscal year 2024-2025 a total of 25 competitive proposal were submitted for a total of \$4,328,660.21. Of these, 14 were approved (\$2,832,286.00) and 5 are pending.

Department	Number of proposals submitted	Number of proposals approved	Number of Proposals declined	Number of proposals pending
Animal Science	3	2	1	0
Agroenvironmental Sciences	18	11	3	4
Agricultural Economics and Rural Sociology	1	0	0	1
Agricultural Education	1	0	1	0
Agricultural Engineering and Biosystems	2	1	1	0

3. Number of new research and creative work projects.

Agricultural Extension Service

The Agricultural Extension Service has 18 new research and creative work projects for fiscal year 2024-2025.

Department	Number of new research and creative work projects
Animal Science	0
Agroenvironmental Sciences	4
Agricultural Economics and Rural Sociology	2
Agricultural Education	1
Agricultural and Biosystems Engineering	1
Other (includes agricultural agents who are not assigned to academic departments)	4

Agricultural Experiment Station

The Agricultural Experiment Station has 13 new research and creative work projects for fiscal year 2024-2025.

Department	Number of new research and creative work projects
Animal Science	2
Agroenvironmental Sciences	10
Agricultural Economics and Rural Sociology	0
Agricultural Education	0
Agricultural and Biosystems Engineering	1

4. Number of ongoing research and creative work projects.

Faculty of Agricultural Sciences

Project Administered by the Research and Development Center (R&DC)

Department	Number of ongoing research and creative work projects
Agroenvironmental Sciences	3

Agricultural Extension Service

The total number of projects administered by the PRAES during fiscal year 2024-2025 is 23.

Department	Number of ongoing research and creative work projects
Animal Science	3
Agroenvironmental Sciences	7
Agricultural Economics and Rural Sociology	4
Agricultural Education	1
Agricultural and Biosystems Engineering	1
Other (includes agricultural agents who are not assigned to academic departments)	7

Agricultural Experiment Station

The total number of research projects managed by the AES during fiscal year 2024-2025 is 128. Projects under the AES research program are carried out at the six

experimental substations (Adjuntas, Corozal, Gurabo, Lajas, Isabela, Juana Díaz) and at the Research Center in Río Piedras.

Department	Number of ongoing research and creative work projects
Animal Science	23
Agroenvironmental Sciences	87
Agricultural Economics and Rural Sociology	9
Agricultural Education	1
Agricultural and Biosystems Engineering	8

5. Brief description of new and ongoing projects with significant impact.

Agricultural Extension Service

- Education and Conservation Practices for Sustainable Agriculture in Puerto Rico
- NIFA Rapid Response to Extreme Weather Events
- Puerto Rico's Sustainable Practices Outreach Project
- Rescuing the Criollo Cattle of Puerto Rico
- Conservation practices to comply with FSMA law and NRCS policies
- Socially Disadvantage Farmers & Ranchers
- Development of Water Harvesting Facilities, Irrigation Systems
- Tools through PRAES to enhance coffee quality and marketing opportunities
- Are our bees superheroes? Their role as pollinators and plant propagation
- Transition to Organic Partnership Program
- Farm Administration Program
- Enabling Climate-Smart Decisions in Tropical Dairy Farms
- 4-H La Casa de Todos a positive and safe space for all
- 4-H youth leaders respond to community needs using sciences knowledge
- 4-H Beyond Ready
- 4-H Bugs & Fungi Adventure
- 4-H Mobile Theatre
- 4-H Opportunity for Youth in Equity (OYE)
- Strengthening of rural and urban communities through sustainable production and consumption models
- NRCS Community Gardens Project
- Healthy and Sustainable Families: personal finances & access to healthy food
- Health and well-being: adoption of practices that promote healthy lifestyles
- Food security: Access to affordable, healthy & safe food for all

Agricultural Experiment Station

At Gurabo Substation, we have several important projects that strengthen competitive research and address the needs of the agricultural community. Below is a breakdown of some of the most impactful ones from this year:

- H-535 – Evaluation of New Plantain (*Musa* spp.) Cultivars for Potential Commercial Production in Puerto Rico
Dra. Martha C. Giraldo Zapata
USDA-\$200,000.00
Project Objective(s): Evaluation of agronomic traits, disease and pest susceptibility, and yield performance of new plantain cultivars in the collection.
- H-538 - Estrus synchronization and detection protocols comparison in Tropical Holstein
Dra. Verónica Negrón Pérez
USDA-\$220,000.00 (4 años) (Jan 2024-Nov 2027)
Objectives – To compare estrus synchronization protocols and estrus detection methods in slick and non-slick Holstein cows, with the overall goal of identifying the optimal approach for tropical conditions.
- H-547 - Sustainable grazing systems for small ruminants
Dr. Alfredo Aponte Zayas
USDA-\$198,000.00 (4 años) (Jan 2024-Nov 2027)
Project Objective(s): Evaluate pasture composition stocking rate, forage yield, seasonal distribution (beta value), persistence, composition, height, N uptake and forage quality of forages under a sustainable rotational grazing system with paddocks divided with electric fencing and occupation times of one- and three-days using goats. Evaluate soil health, and fertility additionally animal health, weight gain, and reproductive performance over time data will be evaluated for future references. Developed educational and outreach activities to promote horizontal knowledge distribution among farmers, agricultural professionals, and other stakeholders.
- C-517 – Research Organic Farm.
Dra. Julia O'Hallorans
USDA \$11,000 (2011-Present)
Objectives: To demonstrate USDA organic certification processes to farmers interested in organic agriculture, improve crop management techniques under the organic system, and promote organic farming through publications, demonstrations, validations, field days, and the sale of certified organic seeds.
- A-021 Experimental– Sales of Products from the Gurabo Experimental Farm
Agro. Ramón A. Couto Marrero
Gurabo Substation (2018-Presente)
Objectives: Generate funds for the maintenance and sale of varieties, crops, and seed propagation material.
- A-021 Ganado– Raising and Management of Cattle
Agro. Ramón A. Couto Marrero
Gurabo ubstation (2019-Present)

Objectives: Management of slick-haired heifers from RUM to promote their development and the genetic improvement of the herd.

- Z-402 Florida Organic Growers - Southeast Regional Center For Organic Transition

Dra. Julia O'Hallorans

USDA NIFA \$75,000 annual

Gurabo Substation (2023-2028)

Project Objective(s): Develop Farmer-to-Farmer Mentoring Resources. Community building among organic farmers and transitional to organic farmers through field days. Technical assistance and training for organic transitional farmers. Collect data on impacted individuals/communities.

At Isabela Substation, we conduct research to develop new bean varieties under Project H-351, led by Dr. Consuelo Estévez and Dr. James Beaver. Various pesticides are being studied under Project H-372, led by Dr. Wilfredo Robles. Various agricultural practices for yams are being evaluated under Project H-522, led by Dr. Merari Feliciano. New pigeon pea varieties are being developed under Project H-94V, led by Dr. Diego Viteri. Pasture and forage varieties are being studied and improved under Project H-519, led by Dr. Elide Valencia. Disease-free citrus varieties are being identified and propagated under Project Z-284, led by Dr. Consuelo Estévez. Various avocado cultivation practices are being studied under Project H-402, led by Dr. Elvin Roman Paoli and Dr. Rebeca Tirado. Genetic material from Yautia continues to be evaluated in the H-94D project led by Dr. Marta Giraldo.

At Corozal Substation the IR-4 project, "Pesticide application field training for root and tuber crops" has significant impact.

Department of Agroenvironmental Sciences

- Dra. Martha Giraldo Research: Recovery and Strengthening of Root Crop Production for Food Security in Puerto Rico. The recovery of celery root planting material for farmers in Puerto Rico's mountainous regions represents a strategic effort to restore a crop that is uniquely produced on the island. Similarly, the re-establishment of commercial cassava cultivation constitutes significant progress toward reducing the island's dependence on imported staple foods. The prevention of genetic loss in the taro (yautía) collection due to viral diseases is a critical priority. For both local farmers and the agricultural sector at large, the preservation of taro seed material is essential to safeguarding the island's food security. In response, integrated management practices and the multiplication of clean planting material through tissue culture have been implemented as viable strategies to support local production. Moreover, integrated pest management initiatives for root crops such as sweet potato, taro, and yam have been developed using educational outreach materials. These include a series of illustrated guides featuring comic-style characters—Super Batatas, Super Yautías, and Super Ñames—aimed at engaging children, youth, and the general public in an island-wide awareness campaign. These efforts are designed to

increase both the production and local consumption of these traditional crops. All educational guides are published and accessible online in Spanish, English, and French, contributing to broader public access and regional knowledge exchange.

- Dr. Wilfredo Robles Research: Registration of Pesticides for Tropical Crop Protection. The registration of two pesticides was successfully obtained. These products will contribute significantly to the management of pests and diseases affecting tropical crops such as coffee, banana, and mango
- Dra. Irma Cabrera Research: Protecting the Fruit Sector of Puerto Rico from the Fruit Fly. Support is provided to fruit-exporting farmers in understanding the damage caused by fruit fly larvae and in obtaining certifications that identify the specific fruit fly species present in their produce. The impact of this project lies in enabling farmers to meet export requirements, thus allowing them to successfully access European markets with their fruit products
- Dra. Consuelo Estevez Research: The Puerto Rico Plant Diagnostic Clinic (PRPDC) is part of a consortium of plant diagnostic laboratories established in 2002 by USDA - NIFA (National Institute of Food and Agriculture) and the Office of Homeland Security to enhance agricultural biosecurity and safeguard US agriculture and natural systems. The insect and disease diagnostic data is submitted to the NPDN (National Plant Diagnostic Network) national repository at the Center for Environmental and Regulatory Information Systems CERIS at Purdue University. The PRPDC is an accredited plant diagnostic laboratory that meets quality standards to conduct timely and quality detections.
- Prof. Jose Zamora Research: The use of artificial light (powered by solar energy) was developed to induce off-season flowering in pitahaya. This approach successfully advanced flowering by six weeks, enabled some fruit production year-round, and increased the number of flowers by 35% during the regular flowering season. Farmers are beginning to implement artificial lighting systems (powered by solar energy) in their pitahaya plantings.
- Prof. Wanda Almodovar Research: Integrated Pest and Pollinator Management Two trainings were offered (Pollinator Curriculum Guide and Identification and IPM of Pests and Diseases in Tree Nurseries), along with ten activities (including field days, exhibits, and workshops). Outreach efforts reached approximately 12,000 people through Facebook and Instagram posts. The pollinator webpage was maintained and updated, and the Bee Campus initiative was established at the University of Puerto Rico at Mayagüez (UPRM)

Department of Animal Science

- LEADING to Federal Agency Employment offer scholarships, educational tours, paid USDA internships, and research opportunities for undergraduate and master's students.
- Expanding the TExAS Scholars program provides scholarships, research experiences, and outreach shadowing opportunities for undergraduate students.
- PR-GOSHEPI offers scholarships, research experiences, and internship opportunities for both undergraduate and graduate students.

Department of Agricultural and Biosystems Engineering

- Development of hydrological and energy balance models for the U.S. Virgin Islands to support agricultural planning and drought assessment (Harmsen).
- Assessment of sediment transport using proximal sensing technologies and simulated rainfall events (Acuña).
- Development of value-added products from surplus tropical fruits, including dehydrated fruit and marinade dressings (Pérez-Muñoz).

Department of Agricultural Economics and Rural Sociology

Dr. Leticia Gayol submitted the following proposal in February 2023 to the Hatch Program (Agricultural Experiment Station) “Impact of Hiring Imported Agricultural Workers on Coffee, Vegetable, and Root Crop Farms: Management Strategies.”

Department of Agricultural Education

- Dr. Yvonne Laracuenta Bernat:
Project: Validation of a Curriculum Guide on Ageism - During the 2024-2025 academic year, the school carried out an intergenerational educational project focused on validating a curriculum guide on ageism. This initiative responds to the need to educate younger generations about prejudice against older adults, promoting values such as respect, empathy, and social justice.
- Dra. Janis Del Rosario - Below is a summary of three outstanding projects:
 - ✓ Theatrical Production: La venta del bacalao rebelde
This project involved the creation, production, and performance of an original theatrical play aimed at 4-H youth, youth leaders, agricultural agents, and family and consumer sciences educators. The play was designed with both educational and recreational goals, addressing topics such as values, decision-making, teamwork, and critical thinking.
 - ✓ Project: Bringing Youth and Elders Together: Theatre for Older Adults: This innovative project brought together university students and older adults in a collaborative artistic process. Through theatre, both generations shared experiences, promoted mutual respect, and co-created a play that was presented in community venues.
 - ✓ Ongoing Project: 4-H Mosquito Theatre LAB
Currently in development, the 4-H Mosquito Theatre LAB is an educational and creative initiative that uses theatre to raise awareness about public health issues such as dengue fever, disease prevention, and environmental care. This project combines science, art, and youth engagement to achieve meaningful educational and social impact in.

6. Impact outcomes of research and creative work projects

Department of Agroenvironmental Sciences

- Dr. Diego Viteri and Dra. Angela Linares
Release of Pigeon Pea and Common Bean Varieties/Germplasm with Disease Resistance and Desirable Agronomic Traits. USPTO patent granted on March 28, 2025, for two pigeon pea germoplasma lines: IIPG 7 and IIPG 1 1
- Dr. Wilfredo Robles: Evaluation of Botanical Extracts for the Control of Insect Pests and Weeds. Proyecto IR-4 2024-25

Department of Animal Science

LEADING to Federal Agency Employment during the year provided scholarships to 10 undergraduates, six master, and two doctorate students. Also, with this project UPRM hosted in November 2024, the annual LEADING Symposium and USDA Career fair in which over 120 students and faculty from Texas, New Mexico and Puerto Rico participated.

Department of Agricultural and Biosystems Engineering

The hydrological model for St. Croix is fully operational and generates daily data on 25 agro-hydro-climatic variables, supporting water resource decision-making. Similar models for St. Thomas and St. John will be available by summer 2025

Department of Agricultural Economics and Rural Sociology

Dr. Tatiana Méndez completed her doctoral dissertation, titled "Cadenas de suministro y guerras comerciales: El caso de la soya en el conflicto comercial entre Estados Unidos y China" (2024). This dissertation examines the complex relationships between supply chains and trade wars, with a particular focus on the effects of the U.S.-China trade conflict on the soybean industry. It provides valuable insights into global agricultural markets and trade dynamics.

Additionally, Dr. Méndez presented a poster on Nashville, Tennessee (Extension Risk Management Convention) on a project from the Agricultural Extension Service's non-formal education in marketing, where I shared the findings and insights from this initiative. This work underscores the practical application of marketing strategies in agriculture and highlights the significant impact of education and extension services on the agricultural community.

7. Initiatives to involve students in research and creative work projects.

Department of Animal Science

CIAN Projects that promote research projects: Animal and Food Sources Distance Education Initiative for Current and Potential Students in the Animal Sciences and Related Fields, LEADING to Federal Agency Employment, Expanding the TExAS Scholars program, and PR GOSHEPI. In addition, 70 students did undergraduate research as part of CIAN 4026 and 4027.

Department of Agricultural and Biosystems Engineering

Undergraduate and graduate students participated in research through HATCH projects (Huertas) and the NOAA-RISA project (Harmsen), contributing to modeling, analysis, and data processing. Additionally, Dr. Salvador F. Acuña held weekly meetings with students participating in the project Empowering Future Professionals: A Multidisciplinary Approach toward Agriculture 4.0 Career Readiness in Puerto Rico (USDA-NIFA-RIIA FY 2023). The group included eight undergraduate and two graduate students from the Colleges of Engineering and Agricultural Sciences

Department of Agricultural Education

- Dr. Janitza Saavedra offered assistance to students Paola Santiago Santiago and Alondra Ramos Gerena on the research project: Fostering Agricultural Professionals: A Comprehensive Approach to Recruit and Retain Students in Food and Agricultural Sciences Programs in Puerto Rico. USDA NIFA-funded research project. This project includes: a School Counselor Academy, school visits, and talks to promote careers in agricultural sciences.
- Dr. Edly Santiago Andino had two Work-Study students, Nicolle Reillo and Arianna Maldonado, who assisted her in collecting information to be included in the CAEP and Middle State Report.

8. Number of research collaboration agreements and brief description

Organization	Effective Date	Purpose
Boys and Girls Clubs of PR, Inc.	02/17/22 – 12/31/25	FAC – Memorandum of Understanding with the College of Agricultural Sciences for the exchange of data and information for research on children and youth in Puerto Rico.
Boys and Girls Clubs of PR, Inc.	02/17/22 – 12/31/25	FAC – Memorandum of Understanding with the College of Agricultural Sciences for the exchange of data and information for research on children and youth in Puerto Rico.
Department of Agriculture - ADEA	08/09/23 – 06/30/24	Agricultural Experiment Station - A comprehensive analysis of local coffee production, farm costs and consumer coffee prices.

Organization	Effective Date	Purpose
	Effective Date Extended: 06/30/25	Dr. Julio César Hernández – Project Leader
Department of Agriculture - FIDA	09/05/23 – 09/30/24 Effective Date Extended: 09/30/25	Agricultural Experiment Station - 'Protecting the fruit sector of Puerto Rico from the fruit fly' - Sampling of traps and fruits and monitoring of the fruit fly. Prof. Irma Cabrera Asencio - Project Leader
Department of Agriculture - FIDA	11/13/23 – 12/31/26	Agricultural Experiment Station – 'Evaluation of Cannabinoids Content and other Components in Selected Hemp Varieties using HPLC and GC/MS'. Dr. Miguel Muñoz – Project Leader
Planning Board of Puerto Rico	11/21/23 – 06/30/25	Agricultural Experiment Station - Technical assistance in the production of the quarterly accounts of gross product. Dr. Julio César Hernández – Project Leader
Florida Certified Organic Growers and Consumers, Inc.	01/25/24 – 12/31/24 Effective Date Extended: 12/30/25	Agricultural Experiment Station - Establishment of a Regional Center for the transition from traditional agriculture to organic agriculture in the southeastern region of the United States, including Puerto Rico. Dra. Julia M. O'Hallorans Castillo – Project Leader
Pratt Institute	05/20/24 – 12/15/24 Effective Date Extended: 12/31/25	Agricultural Experiment Station - Project Z-413 'NSF Convergence Accelerator Track J: Aqua Steady, an Alginate-based Hydrogel for Sustainable Agriculture in a Changing Climate'. Dr. David Sotomayor – Project Leader
Puerto Rico Infrastructure Financing Authority	12/30/24 – 12/30/54	Agricultural Experiment Station – Development of an Integrated Platform for Monitoring and Forecasting Harmful Algal Blooms at the San Jose Lagoon in San Juan. Dr. Gustavo Martínez - Project Leader
University of Hawaii	01/24/25 – 09/30/26	Agricultural Experiment Station - for the development of Project Z-407 - Tropical Soil Health Tool Development". Dr. David Sotomayor Ramirez - Project Leader
Gates Agricultural Innovations, LLC	02/20/25 – 02/19/30	Agricultural Experiment Station - to perform research, development, pre-commercial, and regulatory activities necessary for translating early-stage innovations into commercial products. Dr. Martha Giraldo – Project Leader
Department of Natural Resources	04/01/25 – 12/31/25	Agricultural Experiment Station – for the development of the proposal "Determination of the Spatial and Temporal Variability of PFAS Compounds in Reservoirs and Rivers of Puerto Rico. Dr. Gustavo Martínez - Project Leader

9. Most relevant publications and presentations, periodic letters and circulars (Please see to Attachments III, IV and V).

To strengthen formal teaching, non-formal teaching and research, the faculty of the College of Agricultural Sciences submitted several submissions to journals, magazines and articles to different entities for publication. This includes publications in refereed journals, non-refereed journals, periodical letters and circulars. The researchers also made presentations in different forums related to agriculture. Attachment III contains the publications; Attachment IV shows the presentations and Attachment V breaks down the periodic letters and circulars.

10. Graduate assistantships and stipends for research, teaching, and outreach

Graduate assistanship and stipends for research, teaching and outreach							
First Semester 2024-2025							
Department	Research (AES)		Teaching (FAS)		Outreach (PRAES)		Amount Awarded
	Graduate	Under-graduate	Graduate	Under-graduate	Graduate	Under-graduate	
Animal Science	9 \$32,100	25 \$84,825	24 \$51,050				\$167,975.00
Agroenvironmental Scienes	90		29		17	1	\$393,336.75
Agricultural Economics and Rural Sociology	18 \$95,375		6 \$12,300		5 \$15,566.65		\$123,241.65
Agricultural Education	1				1		\$5,752.50
Agricultural and Biosystems Engineering	12 \$61,950		5 \$12,300				\$74,250.00
TOTAL							\$764,555.90

Graduate assistanship and stipends for research, teaching and outreach							
Second Semester 2024-2025							
Department	Research (AES)		Teaching (FAS)		Outreach (PRAES)		Amount Awarded
	Graduate	Under-graduate	Graduate	Under-graduate	Graduate	Under-graduate	
Animal Science	7 \$30,835	28 \$117,555	20 \$41,000				\$189,390.00
Agroenvironmenta l Scienes	51	3	25		7	14	\$388,143.33
Agricultural Economics and Rural Sociology	16 \$59,150		7 \$14,350		4 \$12,450	1 \$2,000	\$87,950.00
Agricultural Education	1						\$5,499.99
Agricultural and Biosystems Engineering	12 \$56,725		5 \$12,900				\$69,625.00
TOTAL							\$740,608.32

G. Objective 6: To impact our Puerto Rican society

1. Participation in community initiatives

Agricultural Extension Service

Educational Programmatic Area	Initiative
Agriculture, Marketing and Natural Resources (AMNR)	Coffee
	Taro Festival, Camuy, January 25-26, 2025
	Field Trip: Growing Sweet Potato, Gurabo, July 3, 2024
	Studies and research on roots and tubers, Isabela, October 23, 2024
	Coffee quality and brewing methods for university students, Adjuntas, June 2024
	Coffee roasting and tasting in Dairy Festival, Hatillo June 2024
	Field Trip: Contour coffee planting, Adjuntas, June 2024
	Coffee harvesting and its importance in the cup, Para la Naturaleza, Lares, August 2024
	Awards Ceremony Organization and Coordination La Taza de Oro, Adjuntas 2024
	Coffee cupping in PROCAFE, Adjuntas - September 2024
	Competition La Taza de Oro 2024, Mayagüez, September 2024
	Educational Table: Specialty Coffee in Cafesta, San Juan, October 2024
	Dairy
	Workshop: Pasture management and sample collection for analysis
	Workshop: Heifer management
	Counseling: Milk Quality
	Counseling: Pasture Management
	Workshop: Automation in agricultural practices in dairy farms
	Workshop: Cheese making for young people
	Agricultural Economy
	Project: Farm Management Project
	Workshop: Developing Your Agribusiness
	Workshop: Grant Proposal Writing
	Natural Resources
	Workshop: Prevention and Control of Mosquito Reproduction
	Workshop: dealing with Avian Influenza
	Workshop: Rainwater Harvesting
	Workshop: Dealing with Natural Disasters
	Workshop: Home Storage, Filtration, and Disinfection for Water Purification
	Workshop: Agroecological Producers and Promoters Course
Family and Consumer Sciences (FCS)	Workshop: Older adults improve their quality of life
	Workshop: Improving nutritional food security in older adults
	Workshop: Consumer Education and Financial Literacy
	Workshop: Food preservation: home canning and dehydration
	Project: Ageism Project
Youth and 4-H Clubs	Congress: Más que listos (Beyond Ready)
	Workshop: Path to a Healthy Life
	Workshop: Youth, Empower Your Health
	Workshop: 4-H Food Preservation Mechanism / FCS-STEM

Educational Programmatic Area	Initiative
	Workshop: Bugs & Fungi Adventure / AGRI-STEM
	Congress: Pollinators 4-H-Pollinator Habitat Ambassador Squad
	Workshop: Four Legs 4-H
	Workshop: OYE (Opportunity for Youth in Equity)
	Workshop: Lead to Change / School for All
	Congress: National 4-H Conference
	Workshop: STEAM Educational Path at the UPR Easter Festival, Río Piedras
	Congress: True Leaders in Equity Institute, Bethesda, MD
Community Resources Development and (CRD)	Workshop: Action Plan for the Development of Safe Spaces. Bo. Paraíso Fajardo
	Workshop: Action Plan for Community Emergencies. Sector Guzmán, Río Grande
	Community Garden: Huerto Sonrisas de mi Tierra. Elena Robles, Orocovis
	Community Garden: Huerto Sonrisas de mi Tierra. Elena Robles, Orocovis
	Workshop: Community Needs Assessment Study. Bo. Santana, Sabana Grande
	Workshop: Development of an Emergency Plan, Santiago/Lima Community, Naguabo
	Workshop: Action Plan for Animal Sanctuary, Barranquitas
	Project: Butterfly House and Community Garden Bravos de Boston, San Juan
	Proposal: USDA Rural Development Proposal to Fund the Installation of Meters in the Community Aqueduct, Anones Community, Naranjito
	Workshop: Action Plan for Veredas del Bosque Community, Río Hondo, Mayagüez
	Workshop: Business Plan for the Monte Grande Community, Cabo Rojo

Agricultural Experiment Station

At Gurabo Substation, several activities were carried out, including:

- Soil Sampling and Analysis Interpretation Workshop, presented by Dr. Julia O'Hallorans.
- Research and Education in Agroecological and Organic Agriculture, held at Finca La Zafra, presented by Dr. Julia O'Hallorans and Dr. Alfredo Aponte.
- Workshop: "Come and Discover Forestry and Organic Coffee Production", offered by Dr. Julia O'Hallorans.
- SOPCA 2024, with participation from Dr. Verónica Negrón.
- Workshop: "Prepare Your Farm for Organic Certification: Simulated Inspection", held in Moca, with participation from Gurabo Substation researchers.

Department of Agroenvironmental Sciences

- Our Research Associate, Victor Gonzalez, participated in and organized different activities:
 - ✓ Forest Bird Workshop and Their Relationship with Insects. The workshop was held at the Río Hondo Community Forest (November 8 and

December 10 and involved fourth- and fifth-grade students from Olga Mas School, located in the Malezas neighborhood of Mayagüez.

- ✓ Agricultural Festival (February 20, 2025) at Eugenio Maria de Hostos School, Las Marias PR.
- ✓ Game Day and Nature Walk through the Trails of the Río Hondo Community Forest (April 25, 2025, W. E. A. V. E. R. - Western Home Education Association a Variety Enriched Resource. "Western Home Education Association - a Variety Enriched Resource"
- ✓ Grand Agricultural Fair at Juan B. Soto School, Aguada PR (April 25, 2025).
- ✓ Short Course on Pollinator Gardens, Río Hondo Community Forest (April 29, May 6 and 13, 2025)
- Laboratory Technician, Luis Collazo, participate in an Agricultural Fair at Pedro Perea Fajardo School in Mayagüez (April 22, 2025) presenting an Entomology and Tissue Culture Booth

Department of Animal Science

Faculty, graduate and undergraduate students presented educational videos to 14 elementary and high schools across the western region of Puerto Rico, reaching a total of 466 students.

Department of Agricultural Education

- Faculty and students participated in the UPR Mayagüez Open House on October 25, 2025.
- There was an informational panel on Teach Ag Day on September 19, 2024, in the Piñero Lobby, where students from courses taught by Dr. Janitza Saavedra Lugo and Dr. Edly Santiago Andino participated, providing information to Agricultural Sciences students.
- Participation of students and faculty in the Open House, San Juan, from May 2 to 4, 2025.
- Dr. Ircha I. Martínez Rodríguez, as a Family and Consumer Sciences professional, participated in community initiatives through the Puerto Rican Association of Family and Consumer Sciences, such as the " Letras de Esperanza" (Letters of Hope) activity, preparing letters and Christmas cards to cheer up older adults who live alone or in nursing homes or who receive services from non-profit organizations.

2. Projects developed to address community needs

Agricultural Extension Service

- Family and Consumer Sciences (FCS) - Through the Family and Consumer Sciences (FCS) program area at PRAES, a diverse range of community projects addresses the needs of individuals and families throughout the Island. This work is made possible thanks to a faculty of 46 FCS Educators who lead initiatives

aimed at promoting healthy and sustainable family lifestyles. Program focus areas include family relationships, health and nutrition, emergency preparedness, food security, and household financial management.

A major emphasis of these projects is on supporting the elderly population. FCS Educators have offered short courses and workshops on community gardening and food preservation at Elderly Centers and in hard-to-reach communities across several municipalities, including Aibonito, Maricao, Loíza, Canóvanas, Ciales, and Añasco. As a result, more than 300 individuals have adopted recommended food safety and preservation practices, improving their overall food security.

Other initiatives in municipalities such as Cidra, Río Piedras, San Sebastián, Bayamón, and Naranjito have impacted over 200 elderly adults. These projects focus on strengthening emotional wellbeing and promoting strategies to help prevent Alzheimer's disease.

In Utuado, Río Grande, Adjuntas, and San Lorenzo FCS projects addressed community health and wellbeing through the promotion of healthy lifestyles and chronic disease prevention. As a result, more than 400 individuals have adopted healthier diets and increased their levels of physical activity. Families in Corozal and school children in Río Grande have benefited from financial education initiatives, leading to improved money and budget management skills.

- Community Resources Development and (CRD) - The Puerto Rico Agricultural Extension Service (PRAES) initiative, Community Self-Management, Economic Development, and Volunteer Resilience Projects During Critical Times, constitutes a transformative program aimed at empowering communities across Puerto Rico to establish resilient, inclusive, and sustainable local economies. Grounded in the principles of community self-governance, agroecology, and participatory development, the program promotes economic revitalization by reinforcing local production systems and decreasing dependency on external markets. Through the advancement of sustainable entrepreneurship, environmental stewardship, and food sovereignty, this initiative simultaneously addresses socio-economic disparities and environmental vulnerabilities, particularly within underserved and at-risk populations.

Central to the program is a robust capacity-building component, offering a comprehensive suite of educational interventions—including workshops, technical advisory services, and experiential training—focused on community-based entrepreneurship, disaster resilience, agroecological practices, and participatory governance structures. During the 2024–2025 academic year, PRAES–CRD provided direct guidance and technical assistance to community groups in the development of 5 community action plans and 3 business plans aimed at fostering local enterprise. Furthermore, in collaboration with the Natural Resources Conservation Service (NRCS), the program facilitated the

establishment of 11 community gardens and one butterfly garden, reinforcing ecological education and community food systems.

- Agriculture, Marketing and Natural Resources (AMNR) - **Rescuing the Criollo Cattle of Puerto Rico** project was developed in response to a comprehensive needs assessment aimed at identifying the key barriers and challenges within the local cattle sector. Criollo cattle have historically played a crucial role in Puerto Rican agriculture, contributing to soil preparation, material hauling, and crop production. Over the years, these cattle have also been instrumental in enhancing the resilience of other cattle breeds, particularly in adapting to the island's unique climatic conditions. In order to raise awareness and promote the Criollo breed, several educational initiatives have been executed, including the publication of two articles in **Agrotemas** (Agro-topics) and four articles in Revista del SEA, the Extension newsletter with a broad readership. Furthermore, a dedicated Facebook page and a messaging group were established to facilitate ongoing communication and collaboration among stakeholders. A forum was also convened, which attracted 69 participants, including researchers and farmers, who engaged in presentations aimed at promoting the Criollo cattle breed.

One of the primary challenges faced by farmers in Puerto Rico is the extreme weather patterns coupled with the rising costs of agricultural inputs. Transitioning to sustainable agricultural practices is not only critical for mitigating these environmental challenges but also for enhancing food sovereignty, preserving natural resources, and ensuring the long-term economic and social well-being of agricultural communities. In response to these needs, a comprehensive Hands-On Field Training program was conducted at a certified organic farm in Gurabo, PR. This training, which consisted of 36 contact hours, provided participants with practical experience in sustainable practices, including contour planting, irrigation system installation, and compost application. As a result, the project contributed to promoting sustainability and resilience within Puerto Rico's agricultural sector, ultimately advancing food security, conservation of natural resources, and economic stability.

In Puerto Rico, small-scale coffee producers have traditionally sold their coffee harvests to middlemen, leading to significant financial losses. Limited knowledge about improving coffee quality has further hindered their ability to access broader markets and attract customers seeking locally produced, high-quality coffee. To address these challenges, a group of Extension Agents from the Puerto Rico Agricultural Extension Service (PRAES) developed the **Los Cafetaleros** educational project. This initiative aims to equip local coffee producers with essential knowledge and skills to enhance coffee quality. Over the course of five years, the project has impacted more than 500 coffee farmers through various educational methodologies, including courses, seminars, workshops, and field days. As a result, many farmers have come to recognize the importance of producing and selling high-quality coffee as a viable means to increase their income.

Bees play an indispensable role in the pollination of crops and the broader ecosystem, contributing significantly to food production. However, following Hurricane María in 2017, Puerto Rico witnessed a dramatic decline in its bee population, with estimates suggesting a reduction of approximately 80%. This event highlighted the urgent need for implementing sustainable pollinator management strategies and increasing public awareness about the critical role of bees in maintaining biodiversity. In response, a collaborative program was developed between PRAES and PRAEX to promote best beekeeping practices. This program combines theoretical and hands-on training to equip community members with the knowledge and tools to protect pollinators. More than 200 community members, 300 4-H Club members, and 30 farmers have been trained in pollinator protection strategies. Additionally, the program facilitated six pollinator festivals across Puerto Rico and the U.S. Virgin Islands (USVI), which served as dynamic learning spaces and attracted over 3,000 participants, further raising awareness about the importance of pollinators in the region.

NIFA Rapid Response to Extreme Weather Events project resulted in the development of a Nutrient Balance Calculator, a digital tool designed to enhance the efficiency of nutrient management planning in agricultural production systems. By supporting informed decision-making, the tool contributes to the advancement of sustainable and educational farming practices. Additionally, the project produced a children's educational activity book focused on home gardening, aimed at fostering early awareness of soil conservation principles and the importance of local food systems.

Sustainable Rotational Grazing Systems for Small Ruminants project provided technical guidance and support to ranchers in the establishment of forage sorghum at the Costa Sur Farm, with a focus on validating sorghum varieties suitable for silage production and permanent subsurface irrigation systems. The resulting silage will be utilized at the Lajas Agricultural Experiment Station dairy to enhance livestock nutrition and reduce reliance on cost-intensive concentrated feed.

Development of Water Harvesting Facilities, Irrigation Systems project provided theoretical-practical workshops to participants who explored the significance of water harvesting, its practical applications within the context of Puerto Rico, and the installation of basic systems for water collection and storage. The training program integrated educational presentations, technical site visits, and hands-on field demonstrations to reinforce learning and promote the adoption of sustainable water management practices.

The Agricultural Engineering Office has demonstrated exemplary performance in advancing innovation and delivering technical support within the agricultural sector. The completion of 59 technical consultations, the development of 21 comprehensive management plans, the design of 8 irrigation systems—7 of

which have been successfully implemented—and the formulation of 3 structural layout plans collectively reflect a robust commitment to enhancing agricultural productivity and operational efficiency. Furthermore, the optimization of pre-existing irrigation infrastructure, the integration of the **WebODM SEA** system, and the acquisition of the **IRRICAD Standalone** software represent significant advancements in the application of precision agriculture technologies. These efforts contribute meaningfully to the effectiveness and sustainability of farming practices. Planned capacity-building initiatives in Irrigation Engineering, along with the ongoing environmental assessments conducted in collaboration with livestock enterprises, continue to reinforce and expand the technical support available to the farming community.

The Socially Disadvantaged Farmers & Ranchers project provided Non-formal education and technical guidance in Spanish to farmers, ranchers, and fisherpersons across three key areas: agribusiness development (3,272 participants), grant proposal writing (1,872 participants), and orientation on USDA program offerings (285 participants). As a component of this initiative, the Agrobusiness Agenda was published—a comprehensive series of educational materials that includes the Toolkit for Agribusiness Entrepreneurs, Developing the Agribusiness Plan, and the Publication Guide for Agribusiness Entrepreneurs. These resources were designed to support capacity building and promote informed decision-making among agricultural stakeholders.

These efforts collectively contribute to the long-term sustainability of Puerto Rico's agricultural sector, while fostering greater community involvement and knowledge sharing in the areas of agribusiness, livestock management, crop production, and environmental conservation. Therefore, strengthening rural and urban communities through sustainable production and consumption models.

Department of Agroenviromental Sciences

- **Plant Health Diagnostics and Educational Outreach for Farmers**
When farmers have problem with diseases Agricultural Agents collect and deliver plant samples. Samples are received and analyze at the Plant Disease Diagnostic Clinic. Each farmer receives a diagnosis report along with specific management recommendations. In addition, training sessions are provided for agricultural agents, farmers, and family and consumer sciences educators. These educators, in turn, offer workshops to 4-H youth and adult participants on home gardening. As part of the workshops, participants are introduced to published educational materials such as the crop guides for sweet potato, taro (yautia), and yam, and are also provided with planting materials.
- **Educational Materials on Disaster Preparedness**
Through the RREA initiative (Renewable Resources Extension Act), educational materials were developed to equip communities with the tools and information needed to respond effectively to natural disasters such as hurricanes.

- **Training in Nursery Disease Identification and Management**
Several trainings were conducted on the identification and management of plant diseases in tree nurseries. These efforts support the production of healthy trees, which are later planted across the island, enhancing the environmental health and overall well-being of the communities where they are established.
- **Community Resilience Development**
The University Institute for Community Development continues to lead efforts aimed at strengthening community resilience across Puerto Rico.

Department of Agricultural and Biosystems Engineering

Dr. Eric W. Harmsen provided weekly data on soil moisture saturation, crop water stress, and rainfall deficits to the Puerto Rico Scientific Drought Committee and participated in its virtual meetings. He also collaborated with the NOAA RISA Caribbean Collaborative Action Network, supporting regional adaptation efforts to extreme weather events such as drought, heat, and flooding.

Department of Agricultural Education

- Dr. Janitza Saavedra Lugo led an Educational Workshop for Agricultural Education Teachers on November 1, 2024, at the Mayagüez University Campus.
- Dra. Ircha Martnez:
 - ✓ On December 7, 2024, at the UPR Botanical Garden, the Agricultural Extension Service Northeast Region held the Expo CFC event for the general community. Four tents were converted into activity pavilions. In the finance pavilion, with the guidance of Dr. Ircha Martínez Rodríguez, Associate Extension Specialist in Consumer Education, a personal finance educational experience was created. This included an educational tour of four simulated areas, including an information center, a store, a bank, and a space simulating a conference room at an Agricultural Extension Service office. About 50 people participated in the event and expressed having learned something new related to personal finance.
 - ✓ On March 13, 2025, Dr. Ircha Martínez Rodríguez, as an Extension Specialist assigned to the Department of Agricultural Education and Program Area Leader for Family and Consumer Sciences at the Agricultural Extension Service, delivered the FCS Empower Yourself conference to 45 CFC professionals working in various work settings. This was part of the International Day of Family and Consumer Sciences Professionals.

3. Initiatives to promote an entrepreneurial mindset and leadership among students

Department of Agricultural Economics and Rural Sociology

- 5th Applied Economics Congress (05/09/2025)
- Dra. Tatiana A. Méndez invited several guest speakers to her courses, as efforts aimed at strengthening connections with the educational community and various

sectors. This fosters the exchange of knowledge and broadens collaboration opportunities. By promoting leadership and cultivating an entrepreneurial mindset among students through initiatives such as conferences and applied research, she inspires innovative project creation, helping shape future leaders in agriculture and beyond.

Department of Agricultural Education

- Dr. Janitza Saavedra served as an advisor to the FFA Organization. She has also collaborated with students from AE HORT and Five Days in Our Land.
- Dr. Ircha I. Martínez Rodríguez, Associate Extension Specialist in Consumer Education, at the invitation of the Department of Education at UPR-Humacao, offered the Professional Leadership workshop to 12 elementary and special education students on April 22, 2025. This workshop was part of a Leadership Academy. The main objective was to provide strategies to facilitate professional leadership development and an entrepreneurial mindset during their teaching careers.

4. Initiatives to promote the values of ethics, justice, and honesty

Agricultural Extension Service

The Opportunity for Youth in Equity (OYE) initiative, part of the Youth and 4-H Clubs Program area within PRAES, is guided by the overarching objective of fostering an inclusive, diverse, and welcoming environment within 4-H Puerto Rico—one in which all youth experience a profound sense of belonging and empowerment. This initiative specifically seeks to address barriers faced by individuals with physical impairments and those impacted by discriminatory practices, thereby advancing equity and inclusion within the broader community. In alignment with these goals, three OYE youth leaders collaborated with members of a local association for individuals who are blind, participating in field trips to pollinator gardens. Working in partnership with the 4-H Pollinator Ambassador Squad, they contributed to the evaluation and redesign of a 4-H pollinator garden located at the San Juan Botanical Garden. Additionally, two members of the Collegiate 4-H chapter at the University of Puerto Rico, Mayagüez Campus, led the development of **En Señas**, an innovative series of educational video clips designed to convey various topics through American Sign Language (ASL).

Agricultural Experiment Station

To promote the values of ethics, justice, and honesty, and to engage with students and school-aged youth, Gurabo Substation collaborates with the Boy Scouts of America and the 4-H Program of the Agricultural Extension Service, providing facilities and offering workshops. This includes sponsorship of Troop 432 – Gurabo, among others.

During the year, several workshops and presentations have been offered to personnel, aimed at strengthening their commitment to ethical behavior at Juana Díaz Substation.

Department of Agricultural Economics and Rural Sociology

Dr. Felipe Veluk organized the UPR-2025 Climate Action Week, during the period from April 21-26, 2025. This initiative brought together students, faculty, staff, and community members across multiple campuses of the University of Puerto Rico to engage in meaningful dialogue and action around climate resilience. Through a hybrid format of in-person and virtual events, the week featured workshops, panels, educational and cultural activities focused on sustainable agriculture, community-based adaptation, clean energy, youth engagement, and environmental justice in rural and urban settings of the archipelago. The initiative highlighted the university's role as a catalyst for climate solutions that are inclusive, science-based, and rooted in local multi-stakeholder collaboration. In summary, here are the key outcomes of the initiative.

- Broad participation across university sectors: The event engaged students, faculty, and non-teaching staff from UPR Mayagüez, UPR Utuado, and other units in organizing and facilitating activities focused on climate action, clean energy, agroecology, and community resilience.
- Community-centered projects: Panels, workshops, and hands-on demonstrations addressed the real needs of rural and urban communities, including sustainable agriculture, reforestation, and climate adaptation strategies.
- Youth and student leadership: The week fostered student leadership through a multi-campus panel for discussion and knowledge exchange, as well as through cultural and educational activities such as a 5K run and eco-cinema on campus.
- Promotion of ethical and just climate action: Activities emphasized the importance of individual and collective action, inclusion, and justice in addressing climate challenges—especially through educational sessions and panels featuring local experts and representatives from national and international institutions.
- School-age outreach: Interactive educational and cultural sessions were organized in collaboration with the Agricultural Extension Service's 4-H Program and ten local public high schools. Activities included a photo marathon, climate talks, tree planting, and a reforestation brigade to promote environmental awareness and youth action.

Widespread dissemination and visibility: The event was promoted via social media, local newspapers and television, institutional newsletters, and through partnerships with NGOs and other organizations, highlighting UPR's commitment to sustainability and its impact on surrounding communities.

Department of Agricultural Education

Dr. Ircha I. Martínez Rodríguez, Associate Extension Specialist in Consumer Education, offered the workshop "Boost Your Leadership" to participating teachers

from the Family Sciences and Community Development Learning Community of the Republic of Panama. Over 40 teachers participated in the workshop, which promoted the development of leadership and entrepreneurship strategies. Initiatives to promote the values of ethics, justice, and honesty.

5. Activities aimed at students and young people of school age

Faculty of Agricultural Sciences

Participation and visits to schools by students, faculty, and staff of the Faculty, aimed at promoting careers in agricultural sciences. These included presentations on various fields of study.

Creation of **QR codes** for middle and high school students attending recruitment and outreach events. Students interested in academic programs could submit their information through these codes, which was then forwarded to the appropriate academic departments for follow-up and potential admission.

Agricultural Extension Service

The Youth and 4-H Clubs Program area of PRAES is dedicated to serving school-aged youth through experiential learning approaches grounded in the philosophy of “learning by doing.” Employing a variety of evidence-based educational strategies, the program aims to foster the development of essential life skills that support the holistic growth and positive development of young people. The implementation of these initiatives is carried out by 71 PRAES Extension Agents, in collaboration with trained volunteer leaders.

One exemplary initiative is **Project Ruta 4-H**, which promotes healthy lifestyle choices among youth. Utilizing a peer-led “teen teaching” model, this project cultivates leadership, public speaking, and interpersonal communication skills. Youth leaders actively disseminate knowledge on nutrition and health-related topics through educational outreach at school and community fairs.

Food production constitutes a central focus of the Youth and 4-H Clubs Program. Participants engage in the planning, development, and maintenance of gardens located in homes, schools, or community spaces. In addition to foundational gardening techniques, youth are introduced to sustainable agricultural practices such as composting, value-added production, and food preservation.

The program also includes specialized learning opportunities, such as entomology camps, where participants explore topics including insect biology, plant pathology, and mycology. A particularly impactful initiative within this domain is the Pollinator Gardens project. For instance, 38 4-H members from Carmen Feliciano School, in collaboration with Master Gardener Program volunteers, established a pollinator garden at El Yunque National Forest. This effort forms part of the broader **4-H Casa**

del Árbol initiative—a strategic partnership between PRAES and the USDA-Forest Service—designed to educate youth on the ecological significance of forest ecosystems.

As an extension of the Pollinator Gardens initiative, the **Pollinator Ambassador Squad** was established. These youth ambassadors are actively engaged in the design and implementation of pollinator gardens within their respective schools, further reinforcing environmental stewardship and community engagement.

Another notable program is the **4-H/4 Paws Project**, which emphasizes animal care and welfare. Youth participants contribute to local animal shelters through volunteer service and organized donation drives, while also engaging in educational activities aimed at raising awareness about animal protection legislation and the importance of responsible pet adoption.

To date, the Youth and 4-H Clubs Program engages more than 3,500 students and school-aged youth annually in a wide array of interdisciplinary and experiential educational activities. These initiatives serve as vital platforms for cultivating informed, responsible, and civically engaged young citizens. Furthermore, the program reaches an additional 6,000 children each year through diverse 4-H activities, thereby significantly expanding its educational impact throughout Puerto Rico.

Agricultural Experiment Station

As an outreach activity for our children—the future of Puerto Rican society—several events were carried out, including a field day at Matías González School in Gurabo Substation and 4-H educational summer workshops over a two-week period. Approximately 30 participants, of ages 2-11 attended, along with 4 Agricultural Extension Service members serving in leadership roles.

Juana Díaz Substation hosted 2 guided tours for school age kids as well as two other UPRM students.

Department of Agroenvironmental Sciences

"4-H Bug Camp" Summer Camp" - During this camp, youth participants gain knowledge in the field of entomology and are introduced to academic disciplines, research opportunities, and potential career paths.

Department of Animal Science

Faculty from our department participated on the Educational Week at UPR Rio Piedras promoting the academic programs and offering two oral presentations about care and health of domestic birds and pets. Faculty, graduate and undergraduate students presented educational videos to 14 elementary and high schools across

the western region of Puerto Rico, reaching a total of 466 students. In addition, Faculty, graduate, and undergraduate students participated in the open house to promote the department's academic offerings to high school students. Additionally, department personnel took part in the Agriculture Week Challenge, a summer recruitment event. Our students also showcased animals and highlighted our academic programs at the AgroPlug event.

Department of Agricultural Economics and Rural Sociology

- Participation during the Agricultural Week Challenge (06/14/2024)
- Participation on UPRM Open House (10/24/2024)
- Dr. Tatiana Méndez participated in the AgroPlug event, an important initiative that deepens the community's engagement with the agricultural sector. This involvement contributes to strengthening the connection to agriculture and enhances a sense of pride and identity within the institution.

Department of Agricultural Education

Open House at UPRM, schools, and locations outside the university

6. Dissemination of the institution's achievements and initiatives that benefit the community.

Faculty of Agricultural Sciences

To strengthen the link between the College and the community, various strategies were implemented to share academic, scientific, and social achievements through social media platforms such as **Facebook** and **Instagram**.

Agricultural Extension Service

PRAES newsletter publication **Revista del SEA** is issued triannually, serving as an informative platform that highlights scientifically based current initiatives and project reports undertaken by PRAES in collaboration with its institutional partners. During the reporting period, editions 34, 35, and 36 were published, each addressing timely and significant topics relevant to agricultural education, community development, and public health. Featured articles included: The Rescue of Criollo Cattle in Puerto Rico; Plowing with Oxen; The Use of Medicinal Plants in Culinary Practices; The Impact of Avian Influenza (H5N1) on Dairy Cattle; 4-H Members United in Combating Extreme Weather; Family Integration in Agroecological Entrepreneurship; Hearing Loss in the Elderly: Social and Health Implications; Hairless Holstein Cattle: An Alternative for Puerto Rican Ranchers; UPRM Designated a Bee Campus; and Establishing an Ecological Food Garden, among other pertinent subjects.

PRAES maintains an active presence on social media, with a following of 22,191 on Facebook, 1,871 on Instagram, and 3,290 subscribers on YouTube, enhancing its outreach and public engagement efforts.

Agricultural Experiment Station

At the Adjuntas substation, we welcome students from public and private schools, teachers, farmers, and the general public throughout the year. We show them our facilities and provide guidance on the various processes and experiments we conduct.

Department of Agroenvironmental Sciences

- **Poster Presentation**
Participation in the annual meeting of the APS Caribbean Division (APS CD) held in Florida, where a research poster was presented highlighting institutional achievements.
- **Educational Outreach and Facility Engagement**
Trainings were conducted, school visits were carried out, and students and community members were welcomed to the horticulture facility and laboratory located at the Botanical Garden.
- **IPM Forum on Vegetables**
A public forum was organized to discuss integrated pest management (IPM) strategies for vegetable crops, providing a space for dialogue among farmers, researchers, and extension personnel.
- **Specialized Trainings and Forums**
 - ✓ Training on wildlife management in compliance with the FSMA (Food Safety Modernization Act) was offered to 47 participants.
 - ✓ A forum on the current situation of sweet orange production was held, with 127 participants in attendance.
 - ✓ A field day titled “Save Our Citrus” was conducted, engaging 217 participants in efforts to preserve citrus crops in Puerto Rico.
- **Participation in Scientific Conferences**
Institutional representation at the PCCMCA (Central American Cooperative Program for the Protection of Crops) scientific meetings in El Salvador and at the annual meeting of the American Society for Horticultural Science in Honolulu, Hawaii.
- **Exhibition on Pollinators and Bee Campus Initiative**
An exhibition on the UPRM Pollinator Garden and Bee Campus initiative was held on February 19, 2025, as part of the Forum on the Importance of Pollinators in at the UPRM Agricultural Experiment Station in Lajas, with 60 participants in attendance.

Department of Agricultural Economics and Rural Sociology

- Update the department webpage

(<https://www.uprm.edu/ecagricola/economia-agricola/>)

- Promotions on Social Media Facebook, Instagram, etc.

H. Objective 7: To strengthen school spirit, pride, and identity

1. Improvement in services offered to students

Faculty of Agricultural Sciences

- Dissemination of relevant information regarding document procedures, scholarships, internship opportunities, academic advising dates, and other services via institutional email and social media to ensure clear, direct, and accessible communication with students.
- Hosting orientation sessions and welcome activities (e.g., Back to the RUM @ CCA) to help students integrate socially and academically into the college community.
- Honoring outstanding students (e.g., Honor Students Recognition) reinforces academic achievement and fosters pride in being part of the institution.
- Seasonal or cultural events (like the Christmas Tree Activity) provide opportunities for students and staff to connect and celebrate shared values and traditions.

Department of Agroenvironmental Sciences

Web page was updated, and an Instagram account was created to start a media present and connection with students.

Department of Animal Science

Three vet school orientations (North Carolina State University, Louisiana State University and Ana G. Mendez) were coordinated. The head of the department continued an open-door policy, allowing students to seek orientations at any time. Additionally, an orientation meeting was held with graduate students to clarify topics related to their duties, stipends, and to provide a question-and-answer session.

Department of Agricultural Education

A Chatbot, a computer program designed to simulate a conversation with a human user, is being developed for the department's official website, managed by the Office of Academic Affairs and CTI. Programming began in March 2025 but has not been officially installed. It is expected to improve services offered to students.

2. Activities of student organizations

Faculty of Agricultural Sciences

- Events like the **Agro Market** empower students to take initiative, showcase their talents, and feel part of the entrepreneurial community within the College of Agricultural Sciences. These markets provide a platform for students to promote and sell their products, encouraging leadership, creativity, and practical business skills.
- The **Student Organization Fair** served as another key initiative to strengthen student engagement. This event brought together various student associations to present their missions, recruit new members, and promote active involvement in extracurricular projects. It fostered collaboration among students from different departments and helped create a stronger, more connected academic community.
- **Agroplug** was an activity organized by the student association Cinco Días en Nuestra Tierra and aimed at the general community, but with the main purpose of reaching primary, middle, and higher education students to promote the College of Agricultural Sciences, its departments, student associations, and to introduce who we are. This activity reached thousands of people who visited our facilities at RUM from March 27 to 29, 2025.

Department of Agroenvironmental Sciences

- Activity organized by all student associations from the Department of Agro-Environmental Sciences
 - ✓ 3rd Agroenvironmental Camp at the Adjuntas Agricultural Experiment Station. The purpose was to carry out educational activities related to coffee production, including its economics, morphology, and relevant pests. In addition, workshops on insects and beekeeping were offered. The event also included recreational and team-building activities such as game nights, karaoke, movie screenings, a river visit, and a guided hike to Cerro Monte Guilarte.
- **Horticulture Student Association**
 - ✓ Garden Design Workshop –Purpose: To teach students the process of enhancing a green space, covering topics such as plant selection, different garden styles, and design techniques applied to a designated area in the Piñero Forest.
 - ✓ Voluntary Cleanup Brigade at Ricura Caribeña
 - ✓ Agricultural Law Workshop Purpose: To educate participants on the laws related to the agricultural industry in Puerto Rico.
 - ✓ Campus Picnic: Purpose: A social gathering to promote fellowship between the board and members, featuring music, food, and board games.

- ✓ Alanys Nicole Farm Visit, Purpose: To learn about plantain cultivation, including its production, harvesting, and farm management through an on-site field visit.
- ✓ Basic Floral Arrangement Workshop and Floral Arrangement Sale
Purpose: To teach students how to create floral arrangements through a hands-on workshop, with the goal of preparing the arrangement for the Valentine's Day.
- ✓ Campo Alegre Farm Tour, Purpose: To visit a pineapple farm and learn about its production process as well as the current state of pineapple cultivation in Puerto Rico
- ✓ Association Fair, Purpose: To educate and promote student organizations to attract and engage prospective students.

Department of Animal Science

Animal Science Student Association:

- Outreach activities for the student community and future college students, such as: Orientation Week for Freshmen, UPRM Open House, Association Fair, Agroplug
- Social and fellowship activities, such as: Game Night, Spooky Paws, Agrovalentine, Paint and Wine
- Educational activities, including talks such as: Rabies Virus Management in Puerto Rico, How to Apply to Veterinary School, Clinical Cases in Horses, Pet Chemotherapy, Shelter and Rescue Medicine, Pollinators, and the Nutritional Value of Milk.
- Volunteer activities or farm visits, such as: Volunteering at the Villa Michelle Shelter, Sato Show, Vaccination and Adoption Events, American Dairy Goat Association Dairy Goat Judging and Appreciation, Visit and Volunteering at Tai Hay Farms, Visit to San Miguel Dairy Farm, Visit and Educational Workshop on Animal Reproduction at the Gurabo Agricultural Experiment Station, and Visit to the Experimental Dairy Farm in Lajas

Department of Agricultural and Biosystems Engineering

The Asociación de Estudiantes de Sistemas Agroambientales (AESA) held its first formal initiation ceremony since 2019 on April 29, 2025. The association had been inactive due to the COVID-19 pandemic and was reactivated during the 2023–2024 academic year. During 2024–2025, AESA organized workshops on welding and the use of drones in agriculture, fostering student development and engagement. In addition, the department hosted two student gatherings—one per semester—to promote interaction and strengthen ties between students and faculty.

Department of Agricultural Education

The Collegiate FFA Alumni Organization participated in the following activities:

- Association Fair on 8/1/24, impacting the university community.
- Chapter Meeting on 9/3/24, impacting the university community.
- Association Fair on 9/10/24, impacting the university community.
- Leadership Workshop on 10/3/24, impacting the university community.
- Movie Night, 10/24/24, impacting the university community.
- Beach Cleanup, 11/16/24, impacting the coastal community of Aguadilla.
- Coffee Harvest, 11/23/24, impacting farmer Javier Hernandez and his wife, Elisa.
- Chapter Meeting on 2/4/25, impacting the university community.
- Fellowship on 8/2/24, impacting the university community.
- Game Night on 5/3/25, impacting the university community.

3. Activities to promote links with alumni

Faculty of Agricultural Science

- Participation of faculty, students, and staff in a variety of recruitment and promotional activities both on and off campus, as well as on social media platforms.
- Participation of alumni as guest speakers in different events and orientations held by the College of Agricultural Sciences.

4. Collaboration agreements with government agencies, the private sector, and various entities

Organization	Effective Date	Purpose
Ross University School of Veterinary Medicine	06/28/23 – 06/28/28	FAC – Partnership to collaborate to increase admission opportunities of students who, after completing their degree program at UPRM seek to matriculate into RUSVM.
Arte Suelo Ser Inc.	09/15/23 – 09/15/28	Agricultural Experiment Station – Development of the 'Soil Heritage Project'. Dr. Miguel Muñoz – Project Leader
University of the Virgin Islands	10/06/23 – 11/14/27	Agricultural Extension Service – 'Establishing an educational pipeline to strengthen the MPP industry workforce in the Caribbean'. Dra. Katherine Domenech – Project Leader
Hanael Asociados, Inc.	11/06/23 – 11/06/28	Agricultural Experiment Station - To provide free access to faculty and students to the land and facilities at La Cuchilla Experiment Station in San German for research and investigation purposes, and to collaborate in the dissemination of the results of the research and/or investigation to the public through seminars and/or publications. Dr. German Ramos Cartagena – Project Leader

Organization	Effective Date	Purpose
Department of Agriculture - ADEA	02/27/24 – 06/30/24 Effective Date Extended: 06/30/25	Agricultural Extension Service – Certified Course for the Application of Restricted Use Pesticides. Prof. José H. Zayas – Program Coordinator
Department of Agriculture – FIDA	03/11/24 – 09/30/24 Effective Date Extended: 09/30/25	Agricultural Extension Service – Initiative for training farmers on wildlife management, compost and fruit trees handbook preparation. Prof. José Zamora – Project Leader
PR Tourism Company	09/03/24 – 12/31/24	FAC - Sponsorship Contract - Cattle Breeders Association Meeting.
Proyecto Agroecológico El Josco Bravo CRL	10/07/24 – 10/07/29	FAC - offering courses and workshops from its educational program in agroecology.
Colegio de Agrónomos de Puerto Rico	03/20/25 – 03/20/30	Agricultural Extension Service - Cooperation agreement for the achievement of mutual benefits by ensuring greater development of the participants and compliance with current state regulations.

5. Activities aimed at the community in general

Agricultural Extension Service

Climate Action Week was observed in April with the primary aim of raising awareness about extreme weather and fostering a culture of environmental stewardship. The initiative was led by Dr. Felipe Veluk, a PRAES faculty member. Over the course of five days, the university campus hosted a diverse array of activities, including four thematic forums that addressed critical topics such as extreme weather mitigation strategies, carbon footprint reduction, and marine ecosystem conservation. These forums were notably enriched by the active participation of university students, who contributed personal reflections and proposed actionable, community-centered solutions. The week concluded with a dry forest reforestation initiative in La Parguera, Lajas, which brought together students, faculty members, and participants from local 4-H Clubs. This culminating activity underscored the collaborative ethos and enduring commitment to environmental sustainability shared by all involved.

In March 2025, PRAES played a central role in the third edition of **Agroplug**, an educational fair organized by students from the College of Agricultural Sciences (CAS). The event serves as a dynamic platform to promote the academic offerings of CAS departments, engage prospective students, and showcase both faculty-led and student-driven research and outreach projects. PRAES contributed significantly by delivering educational workshops and coordinating interactive exhibitions on a wide range of agricultural topics. These included: “Milk and Its Derivatives,” “Incorporating Starchy Vegetables in Community Gardens,” “Diseases Transmitted by Pets,” “Confetti-Vermicompost,” “Understanding the Role of Service Animals,”

“Oral Hygiene for Disease Prevention,” “Pollinators and Their Benefits,” “Establishing Community Gardens,” and “The Use of Ornamentals to Enhance Home Aesthetics.” The fair drew attendance from numerous schools across neighboring municipalities, offering university students valuable experiential learning opportunities to engage with younger audiences, disseminate knowledge, and cultivate interest in agricultural sciences among future generations.

Agricultural Experiment Station

Various laboratories from the Mayagüez Campus visit the Isabela Substation to study the crops, such as the laboratory for the fruit tree course offered by Dr. Morales Payan and the pasture and forage course offered by Dr. Elide Valencia. The conference room is provided to the Agricultural Extension Service so they can offer the various courses they provide to farmers and the general public. Dr. Wilfredo Robles' laboratory visits the Isabela Substation to conduct agricultural demonstrations for the benefit of the students. In March 2025, a workshop on flour production led by Dr. Martha Giraldo was offered at the Isabela Substation. The workshop also attracted a large number of farmers interested in flour production. In December 2024, Agro. Abiezer González offered a conference in Rincón, organized by SOPCA, to present the progress made in the staple grain breeding program.

As a community outreach activity, weekly updates are shared on our social media platforms, highlighting activities, meetings, and projects carried out at Gurabo Substation. Additionally, to promote and strengthen pride in local agriculture, sales of agricultural products harvested at Gurabo Substation are held regularly. We also collaborate with the Boy Scouts of America, specifically Troop 432, which is based at the Gurabo Substation.

The Adjuntas Substation welcomes the community and students to offer guidance and tours in our areas of work: citrus nurseries, coffee, and seed propagation. We also participate in government activities, health fairs, and schools with educational talks to raise awareness about our work.

In agreement with Lajas High School, Lajas Substation has a student from the vocational agriculture program completing an internship in the afternoons. This program offers a unique opportunity for students in the public education system. The Agricultural Experiment Station Library served 687 people, including staff from the PRAES, AES, UPR in general, and members of the community. This took place during various activities, meetings, thesis defenses, and seminars.

Department of Agricultural Education

Dra. Ircha Martinez: On December 3, 2024, the American Association of Family and Consumer Sciences promoted the celebration of Family and Consumer Sciences Day. At the Agricultural Extension Service (PRAES), the event ELEVATE Family and Consumer Sciences. Empowering Individuals, Families, and Communities for

the Well-being of All, aimed at Family and Consumer Sciences Educators. The objectives were to highlight the impact achieved through the training of individuals, families, and communities for a better quality of life; and to promote educational strategies for the empowerment of youth, adults, and their communities. Thirty educators participated, presenting the achievements of their students, and someone presented educational strategies applicable to PRAES students.

6. Activities aimed at the university community

Faculty of Agricultural Sciences

- Back to CCA on August 29, 2024
- Welcome activity for students of Doctoral Program on December 3, 2024
- Honor Roll Student activity of Faculty of Agricultural Sciences on February 3, 2025
- Open House-Faculty of Agricultural Sciences at Plaza Las Americas on May 2nd and 3er, 2025
- Open House-Faculty of Agricultural Sciences at UPRM on May 17, 2025
- Promotion to Professional Life on June 11, 2025

Agricultural Extension Service

In December 2024, the academic community of PRAES commemorated its 90th anniversary, marking a significant milestone in the institution's history. All Extension personnel, both faculty and non-faculty, were invited to participate in a one-day celebration that encompassed a series of educational activities, recognition ceremonies honoring exemplary service, and opportunities for professional engagement and fellowship. The event served as a tribute to the historical trajectory and enduring contributions of PRAES over the past nine decades. It provided a meaningful forum for reflecting on the institution's pivotal role in advancing education, promoting community outreach, and fostering sustainable development across Puerto Rico.

Agricultural Experiment Station

An Employee Recognition Activity was held at Lajas Substation on December 12, 2024.

Department of Agroenviromental Sciences

Natural Resources Students Association Organized the opening of the College of Agricultural Sciences-Conversation Zone.

7. Improvements to infrastructure and buildings

Agricultural Extension Service

The Conference Room at PRAES Extended Unit in Río Piedras was renovated and refurnished at a cost of \$69,995 providing state-of-the-art facilities for both formal and non-formal educational activities.

PRAES Finance Office, located in the Roberto Huyke Building in Río Piedras, was renovated and refurnished at a cost of \$187,000. This facility provides essential administrative support for all PRAES educational programs and Extension research initiatives.

The interior and exterior of PRAES Roberto Huyke Building in Río Piedras were repainted, and safety upgrades related to roof access for maintenance were completed at a cost of \$68,000.

PRAES Northeast Extended Unit facility underwent significant improvements, including interior and exterior repainting, parking lot rehabilitation, installation of a backup electric generator, and roof waterproofing, at a total cost of \$103,411.

The Conference Room at PRAES Northeast Extended Unit was renovated and refurnished at a cost of \$49,995 providing state-of-the-art facilities for both formal and non-formal educational activities.

Agricultural Experiment Station

As part of Gurabo Substation infrastructure improvements, electric fences have been installed as a new grazing system for small ruminants. In addition, to meet the objectives of Proposal Z-401, the CIRAT laboratory will be powered by a solar energy system. This aims to mitigate the damage caused to research by frequent power outages.

Safety staircase built and installed for diesel tank at Juana Díaz Substation. At the Lajas Substation, in the dairy facility, the 60' x 25' roof over the cattle weighing area was reconstructed. This area is used for administering treatments and providing care to the livestock during veterinary visits.

Department of Agroenvironmental Sciences

Irrigation System Improvement for teaching purpose at Finca Alzamora Installation of Renewable Energy Systems in Shade Structures Used for Teaching Purposes.

I. International activity

1. Number of international students in the department/faculty

Faculty of Agricultural Sciences

Thirty (30) graduate students, second semester 2024-2025. Five (5) undergraduate students second semester 2024-2025.

2. Number of international faculty in department/faculty

Faculty of Agricultural Sciences

The Faculty of Agriculture Sciences has four (4) international faculty members.

3. Publications with international co-authors

Department of Agroenvironmental Sciences

Two publications were submitted by Dr. Georges Felix.

Two publications were submitted by Dr. R. Macchiavelli, with international co-authors.

Department of Agricultural and Biosystems Engineering

- Totti, M. C. V.; Zinn, Y. L.; Silva, S. H. G.; Silva, B. M.; Bócoli, F. A.; Faria, V. L. de; Montes, A. O.; Acuña-Guzman, S. F.; Uezu, A.; Cullen Junior, L.; Fernandes, V. F.; Avanzi, J. C. 2025. Organic carbon stocks across various land use systems in sandy Ultisols and Oxisols in Brazil. *Geoderma Regional*, 40. DOI: 10.1016/j.geodrs.2025.e00924
- Cardoso, D. P.; dos Santos, W. P.; Silva, S. H. G.; Merlo, M. N.; Acuña-Guzman, S. F.; Acerbi Júnior, F. W.; Viola, M. R.; Silva, M. L. N.; Curi, N.; Avanzi, J. C. 2024. Estimation and assessment of water erosion in the Peixe Angical Basin, Brazil. *Journal of South American Earth Sciences*, 149. DOI: 10.1016/j.jsames.2024.105235.
- Santos, W. P.; Acuña-Guzman, S. F.; Oliveira, P. T. S.; Beniaich, A.; Cardoso, D. P.; Silva, M. L. N.; Curi, N.; Avanzi, J. C. 2024. CA-Markov prediction modeling for the assessment of land use/land cover change in two sub-basins of the Tocantins-Araguaia River Basin. *Environmental Monitoring and Assessment*, 196:499. DOI: 10.1007/s10661-024-12673-4

4. Projects and initiatives with international collaboration

Agricultural Extension Service

- Forum: UPRM PRAES-República de Colombia. “Construyendo Espacios de Paz a Través del Desarrollo Comunitario.” September 21, 2024.
- Forum: UPRM PRAES-República de Colombia. “Protección que Dignifica: La Erradicación de la Pobreza a Través del Desarrollo Social.” October 17, 2024.
- Forum: UPRM PRAES-República de Colombia. “Reimaginando la Educación para Construir la Paz.” January 24, 2025.
- Forum: UPRM PRAES-República de Colombia. “Cuando la Mujer Habla: Derechos, Equidad y Empoderamiento.” March 7, 2025.

Department of Agroenvironmental Sciences

Dr. Georges Felix Lancelloti is an external member of the following graduate students:

- Lucas Worsdell, Coventry University (UK): Co-innovation for Caribbean Agroecology Transitions (CiCAT)
- Maisy Vasic, Coventry University (UK): Agricultural restoration in the aftermath of hurricane events in the Caribbean – A historical approach through remote sensing
- Licia García-Vergara, Universidad de Buenos Aires (Argentina): El rol de la agroecología en el uso y manejo de plantas alimenticias no-convencionales en el Caribe
- Jese Reyes Morales, El Colegio de la Frontera Sur – ECOSUR (México): Territorialización a través de procesos educativos en iniciativas agroecológicas de Puerto Rico

5. Participation in international conferences, symposiums, forums, or seminars

Department of Agroenvironmental Sciences

Presentation in Scientific Meeting and Others (UK, Italy, Paraguay, Honduras, Sint Marteen, El Salvador, Colombia, Argentina)

Dr. Macchiavelli gave a short course in Colombia, and two invited presentations in Argentina.

Department of Animal Science

May 22-23, 2025. Dr. Abner Rodriguez invited to the International Goat Association in Panama. Management of parasites in small ruminants.

Department of Agricultural and Biosystems Engineering

An active scientific collaboration with faculty from the Federal University of Lavras (Brazil) continues as part of a CNPq-funded project (Award No. 406903/2022-0), currently in its third year. The project, titled “Relações entre saúde do solo, estoque de C e N: mensuração e modelagem em sistemas de produção em função do manejo” (Relationships between Soil Health, C and N Stocks: Measurement and Modeling in Production Systems as a Function of Management), focuses on evaluating the effects of land management on soil carbon and nitrogen dynamics in tropical environments through field measurements and modeling. Dr. Salvador F. Acuña serves as key personnel in this international research effort, which has already resulted in a peer-reviewed publication.

Dr. Eric W. Harmsen maintains an international initiative that provides daily reference evapotranspiration and crop water requirement maps for the Dominican Republic, Haiti, Jamaica, and Cuba. This service supports agricultural planning and water management across the region through the PRAGWATER platform (<https://pragwater.com/daily-reference-evapotranspiration-eto-for-puerto-rico-hispaniola-and-jamaica/>).

Department of Agricultural Economics and Rural Sociology

Dr. Alicia V. Barriga participated on a two-day workshop titled The Futures of Africa's Cocoa Industry, April 10-11, 2025, Harvard University. The workshop brought together leading scholars and practitioners engaged in the study of the impact of climate change on the health, livelihoods, and agricultural practices of cocoa producers and their communities.

6. Study trips to other countries organized by the department/faculty

Agricultural Extension Service

- September 22-28, 2024, Dr. Daniel Bair. West Virginia. Participate in SURV 4020: Regional Soil Description, Classification, and Land Use Training, which will be offered at the University of West Virginia by NRCS, to organize the first soil judging team from UPRM.
- November 12-17, 2024. Prof. José Torres, Prof. Manrique Planell, Prof. Janice Noriega. Universidad Autónoma de República Dominicana XVI Congreso Latinoamericano de Apicultura.
- May 6-23, 2025. Dr. Daniel Bair. Guatemala. Provide 14 students with an educational and research experience in the analysis and characterization of soils in various ecosystems of Guatemala. Through fieldwork and sample collection, the participants applied theoretical knowledge acquired at UPRM, improved their observation skills, and fostered academic exchange.

Department of Agroenvironmental Sciences

May 18 – June 6, 2024, Dr. Daniel Bair, Dr. Miguel Muñoz. Belize.

Provide 10 students with an educational and scientific experience about the Maya culture in Belize, their agriculture, and the management of soil and water resources. The students participated in soil studies, visited agricultural farms, learned about the agricultural practices of the Maya from the past and present.

7. Courses with international collaborators.

Department of Agricultural Economics and Rural Sociology

Dr. Felipe Veluk conducted the following activities:

- Webinar: Building Spaces for Peace through Community Development (Puerto Rico–Colombia)
Virtual dialogue held on September 21, 2024, via Microsoft Teams, exploring community development as a pathway to peace, with participation from organizations and practitioners in Puerto Rico and Colombia.
- Seminar: Forest Peoples – Resistance, Conservation, and Bioeconomy in the Amazon(Brazil)
Hosted at UPR Mayagüez on November 14, 2024, as part of the Natural Resources and Environmental Sociology Seminar Series. The event focused on collaborative Indigenous and local community conservation and bioeconomy innovations in the Brazilian Amazon and the key takeaways to Puerto Rico.
- UF–UPR Amazon Dialogues: Sociobioeconomy and Regional Collaboration
Joint session held on March 5, 2025, via Zoom, as part of the University of Florida’s course Harvesting Lessons and Strengthening Coalitions for Amazon Conservation, with participation from UPR Mayagüez’s Agricultural Extension Service (Dr. Felipe Veluk Gutierrez) and international students.
- Intercultural Event with Indigenous Leader Txäna Txänu (Huni Kuin, Brazil)
On February 18, 2025, Dr. Felipe Veluk-Gutierrez co-moderated and translated during an event at UPR Mayagüez’s Biology Department, featuring Indigenous environmental leader Txäna Txänu, in collaboration with Prof. Dimaris Acosta-Mercado.
- International Publication on Traditional Ecological Knowledge and Biocultural Conservation - In May 2025, researchers from the U.S., Brazil, and Puerto Rico co-authored a manuscript on Amazonian-nut entrepreneurship and traditional ecological knowledge, submitted to the Journal of Ethnobiology.
- UPR-2025 Climate Action Week with International and Local Collaboration - Held in April 2025, the event featured hybrid activities on climate resilience and sustainable development, engaging partners from Puerto Rico and abroad, including academic institutions and community organizations.

Attachment I – Training on online educational methodologies in which the teaching staff participated

Training on online educational methodologies in which the teaching staff participated			
Academic Year 2024-2025			
Professor's Name	Training Title	Date	Contact hours
Department of Agroenvironmental Sciences			
González Miranda, Lizette	Online Workshop on GWAs Methods.	04/01/2025 and 04/02/2025	8
Department of Agricultural Economics & Rural Sociology			
Alwin J. Jiménez Maldonado	Program Evaluation and Reporting System (PEARS) Platform Training	08/28/2024	7.5
Alwin J. Jiménez Maldonado	Microsoft Copilot Chat	04/01/2025	2
Alwin J. Jiménez Maldonado	Moodle Training – Part 1	04/22/2025	2
Alwin J. Jiménez Maldonado	Moodle Training – Part 2	04/29/2025	2
Dr. José Ferrer	Taller de Moodle	29/04/2025	1.5
Dr. José Ferrer	Taller de Moodle	22/04/2025	1.5
Dr. José Ferrer	Certificación de Educador Virtual	21/11/2024-09/01/2025	25
Héctor Tavárez	Cumbre Estuarina 2024	12/2/2024	6
Héctor Tavárez	Cumbre Estuarina 2024	12/4/2024	6
Alicia Barriga	Lecturas de calle: Instituto Universitario para el Desarrollo de las Comunidades	03/06/2025	2
Alicia Barriga	Workshop for Moodle	04/22/2025	2
Alicia Barriga	Workshop for Moodle	04/29/2025	2
Dr. José Ferrer	Distance Learning RUM (University of Puerto Rico in Mayagüez)	01/09/2025	25
Department of Agricultural Education			
Dr. Aníbal Ruiz Lugo	The future of Extension Artificial Intelligence and Advisory Services, Dr. Tawanda Hove	March, 2025	1
Dr. Aníbal Ruiz Lugo	Minimizing Risk on Livestock & Poultry Operation, Dr. Jay Parsons, University of Nebraska	December, 2024	0.5
Dr. Aníbal Ruiz Lugo	Interactive Nutrient Management Decision – Making Exercise Curricula, Dr. Leslie Johnson, university of Nebraska	December, 2024	0.5
Dr. Aníbal Ruiz Lugo	The Role of Agriculture in Atmospheric Nitrogen Deposition: Sources, Impacts, and Management, Dr. David Gay, University of Wisconsin	December, 2024	0.5
Dr. Lorna I. Campos Muñoz EFNEP	Educational Series: El poder de la actividad física (TEAMS)	03/12/2025	4 hours
Dr. Lorna I. Campos Muñoz EFNEP	Basic Aspects of Physical Activity (TEAMS), Dr. Carlos E. Quiñones - Department of Kinesiology, UPR-RUM	03/17/2025	4 hours
Dr. Lorna I. Campos Muñoz EFNEP	Redaction of the evaluation record, UPR Center for Academic Excellence	10/9/2024	2

Training on online educational methodologies in which the teaching staff participated			
Academic Year 2024-2025			
Professor's Name	Training Title	Date	Contact hours
Dr. Lorna I. Campos Muñoz EFNEP	Strategic writing for internal and external communication, "UPR Avanza"	10/25/2024	2
Dr. Lorna I. Campos Muñoz EFNEP	Reimaging education for peace construction, RUM, Agricultural Extension Service	1/24/2025	2
Agricultural Extension Service (Agricultural Agents, Family and Consumer Science Educators)			
Lugo Ramírez, Víctor L.	Gobernanza de la Internet	03/27/2025	8
Rivera Rosario, Gloribel	Certificación Educador Virtual – Finanzas Personales.	06/12/2024	8
Serrano, Neishaly	La inteligencia artificial y su implementación en la docencia del extensionista	12/06/2024	1
Soto Torres, Giovannie	Aspectos éticos de la Inteligencia Artificial en la educación superior.	03/27/2025	2
Soto Vélez, Mirelis	La inteligencia artificial y su implementación en la docencia del extensionista	12/06/2024	2

Attachment II – Professional Development at the Center for Professional Enrichment (CEP) and others

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Department of Agroenvironmental Sciences			
Lynette E Orellana	2do Congreso Internacional de Inteligencia Artificial	03/05/2025	7
Felix Lancelloti, Georges	Orientación para nuevos docentes, instructores y ayudantes de cátedra	08/07/2024	7.5
Felix Lancelloti, Georges	Taller: Estándar de Comunicación de Peligro	04/22/2025	1.5
Felix Lancelloti, Georges	Cómo utilizar Canva.com para Crear Material Educativo	04/29/2025	1.5
Rivera Ocasio, Dania	Hacia una nueva agenda de investigación y educación en agricultura sostenible, agroecológica y orgánica para el Colegio de Ciencias Agrícolas.	08/21/2024	6.5
Rivera Ocasio, Dania	Capacitaciones sobre plataforma de informes PEARS		7.0
Rivera Ocasio, Dania	Actividad Educativa AESEA. Hacienda Buena Vista en Ponce	11/01/2024	3.0
Rivera Ocasio, Dania	Reunión Científica SOPCA	12/13/2024	6.0
Rivera Ocasio, Dania	Adiestramiento: Lectura: La Corrupción; desde una Perspectiva Cognitiva Categoría: E-Virtual	04/08/2025	2.0
Rivera Ocasio, Dania	Introducción a la Ética de la Salud Pública Parte-III Categoría: E-Virtual	04/08/2025	4.5
Rivera Ocasio, Dania	Teletrabajo: ¿Modalidad temporera o permanente? Categoría: E-Virtual	04/08/2025	2
Rivera Ocasio, Dania	Carta de Derechos de las Personas con Impedimentos Categoría: E-Virtual	04/08/2025	3
Rivera Ocasio, Dania	Trazando la línea: ¿Los artistas tienen un rol ético para con la sociedad? Categoría: E-Virtual	04/08/2025	2
Rivera Ocasio, Dania	Adiestramiento: Lectura: La Ética para una Gestión Pública de Excelencia Categoría: E-Virtual	04/08/2025	2
Rivera Ocasio, Dania	El discurso de odio en las redes sociales Categoría: E-Virtual	04/08/2025	2
Rivera Ocasio, Dania	Coeducación: equidad e inclusión Categoría: E-Virtual	04/08/2025	2
Robles Vázquez, Wilfredo	Taller: Beacon	02/27/2025	1.5
Plaza Delestre, María	Formación Certificación Lego® Serious Play®	08/19/2024 to 08/22/2024	24

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Plaza Delestre, María	Think Outside the Inbox: Email Marketing. Coursera Course Certificate	11/04/2024	
Plaza Delestre, María	Assess for Success: Marketing Analytics and Measurement. Coursera Course Certificate	12/17/2024	
Plaza Delestre, María	Make the Sale: Build, Launch, and Manage Ecommerce Stores. Coursera Course Certificate	12/27/2024	
Plaza Delestre, María	Google Digital Marketing & E-commerce. Coursera Course Certificate	12/31/2024	
Department of Agricultural and Biosystems Engineering			
Francisco M. Monroig Saltar	Excel Avanzado – Estadísticas en MS Excel	09/03/2024	3
Francisco M. Monroig Saltar	Principios de Mejoras Continua	03/13/2025	3
Francisco M. Monroig Saltar	Cómo utilizar Canva.com para Crear Material Educativo	04/29/2025	1.5
Francisco M. Monroig Saltar	Cómo hacer rúbricas y evaluaciones eficientes	05/05/2025	1.5
Fernando J. Pérez Muñoz	Adult A1.1 Appetizer French (online)	10/15/2024 to 12/10/2024	30
Fernando J. Pérez Muñoz	Solar IT Cohort 13 (Blue, Red and Green Ribbons)	10/22/2024 to 12/12/2024	16
Javier A. Huertas Miranda	Introduction to Post-Harvest Processing (105) – Offered by CQI	12/07/2024	5
Javier A. Huertas Miranda	CSP Roasting-Foundation – Offered by SCA	01/20/2025 to 01/21/2025	8
Javier A. Huertas Miranda	CSP Roasting-Intermediate – Offered by SCA	02/26/2025 to 02/28/2025	21
Salvador F. Acuña Guzmán	Going Places with Spatial Analysis	03/10/2025	21
Salvador F. Acuña Guzmán	GIS for climate action	04/06/2025	21
Salvador F. Acuña Guzmán	Make an impact with Modern Geo Apps	05/06/2025	15
Salvador F. Acuña Guzmán	Parte I: Manejo de Situaciones de Violencia de Género en el Salón de Clase	02/04/2025	1.5
Salvador F. Acuña Guzmán	Taller de Beacon	02/27/2025	1.5
Salvador F. Acuña Guzmán	Taller Ley 60 - Centro de Investigación y Desarrollo	03/11/2025	1.5
Salvador F. Acuña Guzmán	Acreditación Institucional: Preparación para la Visita de MSCHE	03/27/2025	1.5
Salvador F. Acuña Guzmán	¿Qué debo saber antes de viajar a Estados Unidos o fuera del territorio?	04/08/2025	1.5
Salvador F. Acuña Guzmán	Cómo utilizar Canva.com para Crear Material Educativo	04/29/2025	1.5
Salvador F. Acuña Guzmán	Cómo hacer rúbricas y evaluaciones eficientes	05/05/2025	1.5

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Department of Agricultural Economics & Rural Sociology			
Alwin J. Jiménez Maldonado	Ethics Workshop: Discrimination based on sexual orientation and gender identity	06/04/2024	3
Alwin J. Jiménez Maldonado	Forum on RUM Reaccreditation	09/09/2024	3
Alwin J. Jiménez Maldonado	Workshop on Warning Signs of Gender Violence	10/03/2024	1.5
Alwin J. Jiménez Maldonado	Forum - Sustainable Management of Agricultural Systems	10/10/2024	7.5
Alwin J. Jiménez Maldonado	Webinar: Strategic Writing for Internal and External Communication	10/25/2024	1.5
Alwin J. Jiménez Maldonado	Conference: Forest Peoples; Resistance, Conservation and Bioeconomy in the Amazon	11/14/2024	1.5
Alwin J. Jiménez Maldonado	Virtual Training on Bird Flu (Influenza)	01/21/2025	1.5
Alwin J. Jiménez Maldonado	Guidance on implementation of the new attendance recording system UKG PRO Workforce Management	01/30/2025	1.5
Alwin J. Jiménez Maldonado	Use and Handling of Extinguishers	03/18/2025	1.5
Alwin J. Jiménez Maldonado	Academic Management - Disciplinary Actions	05-06/2025	7.5
Luis González	Impulsando tu negocio	8/1/2024	1
Dra. Leila Marcano	Constrúyete y Conócete con Lego Serious Play	1/10/2024	2
Ing. Edgar Guerra Erazo	Propiedad Intelectual para todos United States Patent and Trademark Office	28/10/2024	3
Dra. Leila Marcano	Más Allá de la Publicidad: Neuromarketing para Marcas Memorables	29/10/2024	2
Thalía Rodríguez	Master Class Marketing en Tendencia	17/10/2024	2
Glorymar Negrón	Master Class Comienza, Lanza y Escala tu Negocio online	15/10/2024	3
Ing. Verónica Avilés	Master Class Xmas Commerce	10/10/2024	3
Dr. José Alameda Lozada & Dr. Agustín Irizarry	Efectos de Políticas de Trump en Arances y Energía	27/03/2025	1.5
Leticia Gayol Santana	Comunicación efectiva – Centro Excelencia Academica UPRRP	03/27/2025	2
Leticia Gayol Santana	Manejo de Situaciones de Violencia- CEP	02/27/2025	1.5
Leticia Gayol Santana	Canva para crear material educativo	04/29/2025	1.5
Leticia Gayol Santana	Rúbricas y Evaluaciones Eficientes	05/06/2025	1.5
Dr. Aníbal Ruiz Lugo	Impact Statement writing, Leslie Edgar & Jenifer Alexander	04/2025	1
Dr. Anibal Ruiz Lugo	How are impact statements used, Jennifer Alexander, Latasha Ford & LaJoy Spears	04/2025	1

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Dr. Aníbal Ruiz Lugo	Strategies for succesful Extension Programming, Joseph Rand	04/2025	1
Dr. Aníbal Ruiz Lugo	Job Descriptions and Recruitment: Using AI, Jennifer Grogan & Leila Groves	04/2025	1
Dr. Aníbal Ruiz Lugo	A Grants Office of One, Dr. Brian Kowalkowski	04/2025	1
Dr. Aníbal Ruiz Lugo	Factors for Effective Grants management, Kimberly Whittet & Alicia Simon	04/2025	1
Dr. Aníbal Ruiz Lugo	A real Life Story, José Hernández	04/2025	1
Dr. Aníbal Ruiz Lugo	How Leaders Can Move Teams From Isolated to All In, Ryan Jenkins	08/2024	1
Dr. Lorna Campos Muñoz	Capacitación Online Learning Assessment System (OLAS)., Est. Veecktoria Meléndez	01/24/2025	3
Dr. Lorna Campos Muñoz	Ciclo de Capacitación de la plataforma Moodle 1 VER 4., Dr. Luis J. Donato	01/24/2025	2
Dr. Lorna Campos Muñoz	Ciclo de Capacitación de la plataforma Moodle 2 VER 4., Dr. Luis J. Donato	01/29/2025	2
Dr. Lorna Campos Muñoz	Potencia tu proyección profesional en LINKEDIN: Estrategias para tu año de estudios, Dra. Paola Zaragoza	02/25/2025	2
Dr. Janis Del Rosario Morales	Four Paws Project 4-H, Natalia Rivera	02/ 20/2024	3
Dr. Janis Del Rosario Morales	Information Search Workshop via TEAMS, José J. Morales Benítez	02/13/2024	2
Da. Janis Del Rosario Morales	Maurcie Smith, Ph.D, Jill barmble.	07/ 6-11/2024	6
Dr. Janis Del Rosario Morales	Federal Proposal Writing, Dr. Roberto L. Rigau Llorens	03/07/2024 03/ 14/2024 03/21/2024 03/28/2024	12
Dr. Janis Del Rosario Morales	CPR for Summer Bug & Fungi Camp 4-H, Dayanne Casasnovas	04/26/2024	6
Dr. Janis Del Rosario Morales	Lead to Change Kick-Off & Presentations, Speaker: Tim Cambell	07/6-11/2024	6
Dr. Lorna Campos Muñoz	Cybersecurity Cycle: Digital Presence, Dr. Luis J. Donato	03/17/2025	2
Dr. Lorna Campos Muñoz	Art Therapy: Interactive Facilitation Techniques in Digital Environments - September 16, 2024, Dr. Nancy Viana	09/16/2024	2
Dr. Lorna Campos Muñoz	Virtual Classroom: Interactive Facilitation Techniques in Digital Environments, Dr. Margie Álvarez	09/24/2024	2

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Dr. Lorna Campos Muñoz	Innovation and Entrepreneurship Cycle: Intellectual Property and Academia, Dr. Gladys López	10/1/2024	2
Dr. Lorna Campos Muñoz	Artificial Intelligence Tools in the Classroom, Dr. Margie Álvarez	10/16/2024	2
Dr. Lorna Campos Muñoz	Strategic writing for internal and external communications, by Estrategia UPR Avanza	10/25/2024	2
Dr. Janis Del Rosario Morales	Author, 4-H ALumni, Time Magazine's Firnst Kid of the Year, Speaker: Gitanjali Rao Inventor,	07/ 6-11 /2024	6
Dr. Janis Del Rosario Morales	Teen Workshop Block A Exploring Social Justice Through the Arts, Texas 4-H Delegation	07/ 6-11/ 2024	3
Dr. Janis Del Rosario Morales	Singer, Sonwriter & Creative Young Alumni Advisory Committee Member, Mason Mc Clintock	07/ 6-11 2024	2
Dr. Janis Del Rosario Morales	Intellectual Property for Entrepreneurship (Virtual, Dra. Gladys López)	10/15/ 2024	3
Dr. Janis Del Rosario Morales	Tale of Two Abbys: The Journey from Cloverbud to Beyond Ready", Dr. Janet Golden, Alyssa Walden and Abigail Walden	02/4/2025	2
Dr. Janis Del Rosario Morales	"Ages and stages", Dr. Mary Arnold Dr. Camille A. Farrington Alyssa Walden	02/4/ 2025	1hr 15 min.
Dr. Janis Del Rosario Morales	"Exploring Our 4-H Growth Goals and Strategies", Dr. Phillip L Bonney, Dr. Jennifer A. Skuza and Dr. Joanna Williams	02/05/2025	2
Dr. Janis Del Rosario Morales	"Science of adolescence and trauma, exploring how these concepts intersect with the 4-H Thriving Model to prepare youth to Beyond Ready"; Dr. Phillip L. Ealy, Dr. Sarah Hensley, Dr. Pilar Gauthier and Dr. Joanna William	02/05/2025	1hr 15 min.
Dr. Janis Del Rosario Morales	Igniting Engagement and Belonging: Growing Membership and Innovation in the 4-H Cloverbud Program; Celeste Janssenn Lisa Rothenburger Jill Borchinsky Kelle Ashley Colling Hedges Torrey Siliman	03/05/2025	1hr 12 min.
Prof. Gloriselle Negrón	Rural aqueducts conversations, Puerto Rico Water Coalition	9/24/2024	3
Prof. Gloriselle Negrón	Grants Development and Grants Management Workshop, USDA-NIFA	10/29/2024	4
Prof. Gloriselle Negrón	Basic information about PFA's and EPA's strategic plan, Eng. Juan Campos, RCAP Solutions	11/20/2024	3

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Prof. Gloriselle Negrón	Community leadership workshop, PR Judicial system	11/21/2024	6
Prof. Gloriselle Negrón	Alternative water sources to augment water supplies, Jay Garland, EPA	2/19/2025	1.5
Prof. Gloriselle Negrón	Energy conservation for Puerto Rico communities, Arq. Fernando Abruña	3/4/2025	3
Prof. Gloriselle Negrón	Managing contaminated drinking water post-hurricanes, Chelsea Hintz, EPA	3/12/2025	1
Dr. Janitza Saavedra Lugo	Use of Artificial Intelligence for Drafting Federal and Local Proposals		15 horas
Dr. Janitza Saavedra Lugo	Basic Principles of Equine-Assisted Therapies	24/08/2024	4 horas
Dr. Janitza Saavedra Lugo	Managing Situations of Gender-Based Violence in the Classroom	10/11/2024	1.5 horas
Dr. Janitza Saavedra Lugo	Excel Workshop for Drafting Budgets for Federal Proposals -Basic Principles of Arboriculture	30 /11/2024	6 horas
Dr. Janitza Saavedra Lugo	Stackable Credentials at the UPR: Guide, Opportunities, and Challenges	2 /11/2024	1.5 horas
Dr. Janitza Saavedra Lugo	How AnswerThis.io Works: Artificial Intelligence Research Tool	21/11/2024	1 horas
Dr. Janitza Saavedra Lugo	Masterclass on designing learning experiences (DEA) using artificial intelligence	15/01/2025	2 hora
Dr. Janitza Saavedra Lugo	Ethical foundations in the use of artificial intelligence	5 /01/2025	3 horas
Dr. Janitza Saavedra Lugo	Advanced use of CHAT GPT	5/01/2025	5 horas
Dr. Janitza Saavedra Lugo	GPT Chat Prompts Engineering Certification for Educators	5/01/2025	6 horas
Dr. Janitza Saavedra Lugo	Using artificial intelligence in research: rules and tools	3/01/2025	3 horas

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Agricultural Extension Service (Agricultural Agents, Family and Consumer Science Educators)			
Acevedo, Gloribel	Capacitación Manejo de Alimentos en Festividades	10/18/2024	2
Acevedo, Gloribel	Capacitación Plan de Trabajo Anual Ciencias de la Familia y del Consumidor	10/31/2024	7.5
Acevedo, Gloribel	Capacitación PEARS	11/7/2024	7.5
Acevedo, Gloribel	Eleva la Enseñanza: Juegos competitivos y cooperativos mediante las bellas artes	12/3/2024	1
Acevedo, Gloribel	Eleva la Inclusión Desafiando el edadismo hacia los adultos mayores	12/3/2024	1
Acevedo, Gloribel	Eleva la Salud: Estrategias para la prevención y el control del dengue	12/3/2024	1

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Acevedo, Gloribel	Eleva las Ciencias de la Familia y del Consumidor	12/3/2024	4.5
Acevedo, Gloribel	Capacitación: Virus de la Influenza Aviar	1/21/2025	3
Acevedo, Gloribel	Mejoramiento Profesional "Se feliz, diviértete y maneja tu peso".	1/31/2025	7.5
Acevedo, Gloribel	Capacitación: Manejo de Extintores	03/04/2025	3
Acevedo, Gloribel	Capacitación del Conocimiento a la Acción: Empodérate de CFC	3/13/2025	6
Acevedo, Gloribel	Capacitación Actualización Guía Educativa El Camino hacia la buena salud.	3/21/2025	7.5
Acevedo, Gloribel	Puertorriqueños que transforman países	4/11/2025	1
Acevedo, Gloribel	Capacitación Manejo de Alimentos en Festividades	10/18/2024	2
Acevedo, Gloribel	Capacitación Plan de Trabajo Anual Ciencias de la Familia y del Consumidor	10/31/2024	7.5
Acevedo, Gloribel	Capacitación PEARS	11/7/2024	7.5
Alvarado Narváez, Angélica M.	Manejo y Procesamiento de Ganado de Carne de Res en Puerto Rico	8/ 2/ 2024	6
Alvarado Narváez, Angélica M.	Capacitación Mejorando la Fertilidad del Ganado Lechero	10/ 31/ 2024	4
Alvarado Narváez, Angélica M.	Taller La Inteligencia Artificial y su Implementación en la Docencia de los Extensionistas	12/6/2024	1
Alvarado Narváez, Angélica M.	Capacitación virtual sobre la gripe aviar en PR	1/21/2025	3
Alvarado Narváez, Angélica M.	Capacitación Estrategias para la prevención de patógenos en ganado lechero	2/21/2025	7.5
Alvarado, Angélica	Capacitación Uso de extintores	3/18/2025	1.5
Alvarado Narváez, Angélica M.	Capacitación Estrategias reproductivas y nutricionales para enfrentar desafíos actuales de ganaderos en PR	4/4/2025	7.5
Alvarado Narváez, Angélica M.	Estrategias para la implantación de programas PEAGLE en la plataforma PEARS	9/ 27/ 2024	7.5
Alvarado, Marycruz	Ganado de Carne, Día de Campo	8/2/2024	7.5
Alvarado, Marycruz	Fermentación de Cacao, Taller	8/31/2024	6
Alvarado, Marycruz	PEARS Región Suroeste, Capacitación	9/10/2024	7.5
Alvarado, Marycruz	Educando con Visión de Mujer, Conferencia	9/27/2024	.5
Alvarado, Marycruz	Fermentaciones y Futuros Proyectos de Investigación en Café Especial, Conferencia	9/27/2024	0.5
Alvarado, Marycruz	Cosecha y Almacenamiento de Habichuelas, Seminario	10/3/2024	0.5
Alvarado, Marycruz	Rhizobium: Beneficios y usos en las Habichuelas, Seminario	10/3/2024	.5
Alvarado, Marycruz	Caja de Herramientas para el Agroempresario, Curso: Agroempresarismo	10/3/2024	3

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Alvarado, Marycruz	Introducción del Plan de Negocio, Curso: Agroempresarismo	10/10/2024	3
Alvarado, Marycruz	Redacción del Plan de Negocio, Curso: Agroempresarismo	10/17/2024	3
Alvarado, Marycruz	Cultivo del Ñame, Curso Corto	10/23/2024	4
Alvarado, Marycruz	Inventario y Estado de Situación Financiera, Curso: Agroempresarismo	10/24/2024	3
Alvarado, Marycruz	Hoja de Ingresos y Gastos y Hoja de Flujo de Efectivo, Curso: Agroempresarismo	10/31/2024	3
Alvarado, Marycruz	Financiamiento Agrícola, Curso: Agroempresarismo	11/07/2024	3
Alvarado, Marycruz	Análisis Financiero: Razones Financieras e Interpretación de Registros, Curso: Agroempresarismo	11/14/2024	3
Alvarado, Marycruz	PEARS C-9, Capacitación	11/21/2024	7.5
Alvarado, Marycruz	Presente y Futuro de la Producción y Mercadeo de la China Dulce, Foro Educativo	12/10/2024	7.5
Alvarado, Marycruz	Reunión Científica y Asamblea Anual SOPCA 2024	12/13/2024	7.5
Alvarado, Marycruz	Cultivo de Yautía, Capacitación	1/10/2025	7.5
Alvarado, Marycruz	Gripe Aviar, Conferencia	1/21/2025	3
Alvarado, Marycruz	Grupo Nominal, Capacitación CASEA	1/27/2025	2
Alvarado, Marycruz	PEARS, Capacitación	3/17/2025	3
Alvarado, Marycruz	Uso de Extintores de Fuego: Basado en el Estándar NFPA 10, Taller	3/18/2025	4
Alvarado, Marycruz	Guía Curricular Polinizadores, Adiestramiento	4/23/2025	3
Arana, Elsa M.	Guía para educadores para implementar Currículo Coma bien. Manténgase activo. Lección 1	08/22/2024	7.5
Arana, Elsa M.	Capacitación Currículo Coma bien. Manténgase activo- lecciones #2 y #3	08/27/2024	7.5
Arana, Elsa M.	Segundo desarrollo profesional:	08/28/2024	1.5
Arana, Elsa M.	Asociaciones y certificaciones Profesionales CFC (AAFCS)	08/28/2024	1.5
Arana, Elsa M.	Capacitación Currículo Coma bien. Manténgase activo- lecciones #4 y 5	08/29/2024	7.5
Arana, Elsa M.	Capacitación Currículo Coma bien. Manténgase activo- lecciones #6 y 7	09/3/2024	7.5
Arana, Elsa M.	Capacitación Currículo Coma bien.	09/05/2024	7.5
Arana, Elsa M.	Manténgase activo- lecciones #8 y 9	09/05/2024	7.5
Arana, Elsa M.	Nutriendo mi yo, destrezas de autocuidado	09/06/2024	2.5
Arana, Elsa M.	Capacitación: PEARS	09/12/2024	6
Arana, Elsa M.	Capacitación: EFNEP 5 Year Plan	10/03/2025	1.5

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Arana, Elsa M.	Quienes son el estrés y la ansiedad	10/10/2024	1
Arana, Elsa M.	Ventana de apoyo: PEARS	10/14/2024	2
Arana, Elsa M.	Capacitación: Se feliz, diviértete y maneja tu peso	10/18/2024	1.5
Arana, Elsa M.	Guía para educadores para implementar Currículo Coma bien. Manténgase activo. Lección 1	08/22/2024	7.5
Arana, Elsa M.	Capacitación Currículo Coma bien. Manténgase activo- lecciones #2 y #3	08/27/2024	7.5
Arana, Elsa	Segundo desarrollo profesional:	08/28/2024	1.5
Arana, Elsa	Asociaciones y certificaciones Profesionales CFC (AAFCS)	08/28/2024	1.5
Arana, Elsa	Capacitación Currículo Coma bien. Manténgase activo- lecciones #4 y 5	08/29/2024	7.5
Arana, Elsa	Capacitación Currículo Coma bien. Manténgase activo- lecciones #6 y 7	09/3/2024	7.5
Arana, Elsa	Capacitación Currículo Coma bien.	09/05/2024	7.5
Arana, Elsa	Manténgase activo- lecciones #8 y 9	09/05/2024	7.5
Arana, Elsa	Nutriendo mi yo, destrezas de autocuidado	09/06/2024	2.5
Arana, Elsa	Capacitación: PEARS	09/12/2024	6
Arana, Elsa	Capacitación: EFNEP 5 Year Plan	10/03/2025	1.5
Arana, Elsa	Quienes son el estrés y la ansiedad	10/10/2024	1
Arana, Elsa	Ventana de apoyo: PEARS	10/14/2024	2
Arana, Elsa	Capacitación: Se feliz, diviértete y maneja tu peso	10/18/2024	1.5
Arana, Elsa	Webinar: Redacción estratégica para la comunicación interna y externa	10/25/2024	2
Arana, Elsa	Webinar: Autoestima con valor y desarrollo del pensamiento positivo.	11/22/2024	2
Arana, Elsa	Capacitación: Redacción estratégica	11/22/2024	2
Arana, Elsa	Eleva la Inclusión: Desafiando el edadismo hacia los adultos mayores	12/03/2025	1.5
Arana, Elsa	Eleva la Enseñanza: Juegos competitivos y cooperativos mediante las bellas artes	12/03/2024	1.5
Arana, Elsa	Eleva la Salud: Estrategias para la prevención y el control del dengue	12/03/2024	1.5
Arana, Elsa	Métodos de extracción del café de alta calidad	12/18/2024	4
Arana, Elsa	Capacitación: PEARS	01/23/2025	5
Arana, Elsa	Capacitación: Diálogo transformador 2	01/28/2025	2
Arana, Elsa	Touch Down: Se feliz, diviértete y maneja tu peso	01/31/2025	3
Arana, Elsa	Orientación sobre implementación del sistema de registro de asistencia UKG Pro Workforce Managment-SEA	02/6/2025	1

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Arana, Elsa	Capacitación Mes de la Nutrición 2025: La Alimentación Nos Une	02/06/2025	1.5
Arana, Elsa	Papel que florece: Creación Artesanal de propagación con semillas ornamentales	02/28/2025	2
Arana, Elsa	Capacitación: Uso del Extintor	03/07/2025	2
Arana, Elsa	Capacitación: Serie educativa: El poder de la actividad física	03/12/2025	3
Arana, Elsa	Capacitación Actividad Física: Prioridades EFNEP	03/17/2025	2
Arana, Elsa	Capacitación: Guía Educativa El Camino Hacia la Buena Salud	03/27/2025	6
Arana, Elsa	Taller Actividad Física: Prioridades EFNEP	04/04/2025	3
Arocho, Jose	Día de Campo: Manejo y procesamiento de ganado y carne de res en PR	08/02/2024	7
Arocho, Jose	Manejo de la fertilización en Ganado Lechero bajo calor extremo.	10/23/24	4
Arocho, Jose	Capacitación sobre la Abeja Merifela Tropical de PR.	11/ 01/24	4
Arocho, Jose	Conferencia: La inteligencia artificial y su implementación en la docencia del extensionist	12/06/2024	2
Bracero, Vilmaris	Grupo Focal Cambio Climático MIP- Recurso: Southern IPM Center, Universidad de Iowa Lugar: Biblioteca EEA	3/21/2024	6
Bracero, Vilmaris	Taller Producción Comercial de Tomate- SEA Centro Multiusos de	4/1/2024	3
Bracero, Vilmaris	Capacitación Producción de Gallinas en Traspatio- Lugar: EEA Juana Díaz	04/12/2024	6
Bracero, Vilmaris	Obra Teatral El Bacalao Rebelde- RUM	5/17/2024	4
Bracero, Vilmaris	Seminario Virtual Evaluación de Clones de Cacao- CATIE	5/17/2024	4
Bracero, Vilmaris	Taller Rescatando el Ganado Criollo- Lugar: Camuy Country Club	4/17/2024	4
Bracero, Vilmaris	Seminario Virtual Moko Bacteriano y Fusarium R4T	6/7/2024	6
Bracero, Vilmaris	Día de Campo Uso de Cobertoras en Hortalizas NRCS Lugar: Finca González, Guánica	6/27/2024	3
Bracero, Vilmaris	Capacitación Uso de Radios GMRS para Emergencias- SEA Lugar: EEA	9/18/2024	6
Bracero, Vilmaris	Uso de Extintores- SEA Lajas	11/21/2024	6
Bracero, Vilmaris	Capacitación PEARS- EEA Lajas	11/21/2024	6
Burgos, Rosa	Webinar: Tecnología en la industria de alimentos y reducción de desperdicios- PRIMEX	10/15/2024	6
Burgos, Rosa	Manejo de Alimentos en las festividades	10/18/2024	8
Burgos, Rosa	Capacitación CE-9 Lajas	11/21/2024	8

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Burgos, Rosa	Capacitación propuesta de labor educativa para el desarrollo del plan de trabajo	11/22/2024	7
Burgos, Rosa	Aniversario 90 SEA:	12/11/2024	7
Burgos, Rosa	Capacitación: Deshidratación de alimentos-Cataño	01/24/2025	7
Burgos, Rosa	Capacitación: Código Alimentario	02/28/2025	8
Burgos, Rosa	Política Comercial Aranceles- PUCPR	03/11/2025	3
Burgos, Rosa	Capacitación de Extintores- Juana Díaz	03/18/2025	4
Burgos, Rosa	Capacitación: PEARS	03/26/2025	8
Burgos, Rosa	Capacitación: El camino hacia la buena salud	03/27/2025	8
Cartagena, Nicolás	Estadísticas para investigación en negocios	08/20/ 2024	45
Cartagena, Nicolás	Mercadeo Estratégico	10/17/ 2024	45
Cartagena, Nicolás	Liderazgo Organizacional Estratégico	12/12/2024	45
Cartagena, Nicolás	Análisis Financiero Estratégico	02/27/2025	45
Cartagena, Nicolas	Gerencia Estratégica	04/24/2025	45
Cartagena, Nicolas	AgriCluster Resilience and Expension (ACRE)	04/30/2025	10
Colon, Lourdes	Capacitación: "El Camino hacia la Buena Salud"	03/27/2025	7.5
Colon, Lourdes	Capacitación: PEARS para personal administrativo del SEA	03/26/2025	7.5
Colon, Lourdes	Capacitación: Uso y manejo de extintores	03/25/ 2025	3.0
Colon, Lourdes	Capacitación: Cambios en el Código de Alimentos 2022	02/28/ 2025	2.0
Colon, Lourdes	Capacitación: Desarrollo planes de trabajo CFC	11/22/2024	7.5
Colon, Lourdes	Capacitación: PEARS	11/08/2024	7.5
Colon, Lourdes	Capacitación: Energía Renovable	06/18/2024	7.0
Cruz, Liliana	Capacitación PEARS Región Norte Central	09/11/2024	4.5
Cruz, Liliana	Adiestramiento Ética - ¿Quiénes son los estresores?	10/10//2024	4.5
Cruz, Liliana	Capacitación Manejo de Alimento en Festividades	10/18/2024	2
Cruz, Liliana	Capacitación Plan de Trabajo Anual	10/31/2024	7.5
Cruz, Liliana	Capacitación PEARS/CE-9 Región Norte Central	11/07/2024	7.5
Cruz, Liliana	Eleva las Ciencias de la Familia y del Consumidor	12/03/2024	7.5
Cruz, Liliana	Preservación de Alimentos-Deshidratación	01/24/2025	7.5
Cruz, Liliana	Adiestramiento y Reunión Programática Región Norte Central	03/07/2025	7.5
Cruz, Liliana	Uso de Extintores de Fuego	03/11/2025	2

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Cruz, Liliana	Actualización Guía Educativa El Camino Hacia la Buena Salud	03/21/2025	7.5
Figarella, Josette	Desarrollo Plan de Trabajo y C-9	10/23/2024	8
Figarella, Josette	Generación de energía sostenible y resiliente	06/18/2024	8
Figarella, Josette	Inocuidad de alimentos	04/05/2024	8
Figarella, Josette	Papa y Mama tu eres un líder	11/20/2024	8
Figarella, Josette	PEARS	09/10/2024	8
Figarella, Josette	Práctica política partidista durante la jornada laboral	08/23/2024	3
Figarella, Josette	Procedimiento Parlamentario	11/20/2024	2
Figarella, Josette	Uso de Extintores de Fuego	03/04/2025	4
Figueroa, Ángel	Día de Campo Ganado de Carne	08/02/2024	7.5
Figueroa, Ángel	PEARS	09/11/ 2024	7.5
Figueroa, Ángel	Capacitación CE9	11/21/2024	7.5
Figueroa, Ángel	Reunión CASEA	01/27/2025	3
Figueroa, Ángel	Estudio de viabilidad para empresas agrícolas	02/08/2025	4
Figueroa, Ángel	Manejo de Extintores	03/25/2025	4
Figueroa, Ángel	Vulnerabilidad en cadena de suministros de alimentos	04/05/2025	4
Figueroa, Irmalis	Manejo de los Alimentos en Festividades	10/18/224	3
Figueroa, Irmalis	Propuesta de labor educativa para el desarrollo del plan de trabajo	11/18/024	7.5
Figueroa, Irmalis	Día CFC	12/02/2024	7.5
Figueroa, Irmalis	Papel que Florece: Creación Artesanal de propagación con Semillas Ornamentales	02/28/2025	3
Figueroa, Irmalis	Uso de Extintores	03/11/2025	3
Figueroa, Irmalis	Camino a la buena salud	03/21/2025	7.5
Figueroa, Irmalis	Día de la Profesional CFC/ El arte de explorar: Naturaleza, reflexión y crecimiento profesional	03/28/2025	7.5
Figueroa, Zoraida	Taller Manejo de Extintores	3/25/2025	4
Figueroa, Zoraida	Taller: Desafíos del liderazgo	2/18/2025	2
Figueroa, Zoraida	Introducción al nuevo sistema de asistencia (Implementación KRONOS)	1/28/2025	2
Figueroa, Zoraida	Ventana de apoyo MEI	2/5/2025	3
Figueroa, Zoraida	Reunión CE-9 y Plan de trabajo	12/2/2024	7.5
Figueroa, Zoraida	Día Internacional CFC	12/3/2025	7.5
Figueroa, Zoraida	Asamblea AECFCE	11/21/2024	7.5
Figueroa, Zoraida	Capacitación CFC: Propuesta de labor educativa para el desarrollo del plan de trabajo	10/25/2024	7.5

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Figueroa, Zoraida	Ventana de apoyo MEI	10/23/2024	3
Figueroa, Zoraida	Capacitación : Se feliz , diviértete y maneja tu peso	10/21/2024	3.5
Figueroa, Zoraida	SEA(Modalidad Virtual)	10/18/2024	7.5
Figueroa, Zoraida	SEA(Modalidad Virtual)	10/15/2024	3
Figueroa, Zoraida	Capacitación CFC: El camino hacia la buena salud	3/27/2025	7.5
Flores, Ariline	Ingesta Dietaria de 24 horas ESBA	08/20/2024	6
Flores, Ariline	Currículo ESBA de 9 lecciones: Coma bien. Manténgase activo.	09/05/2024	20
Flores, Ariline	Nutriendo mi yo, destrezas de autocuidado	09/06/2024	2.5
Flores, Ariline	PEARS	09/12/2024	6
Flores, Ariline	Presentación EFNEP 5 Year Plan	10/03/2025	1.5
Flores, Ariline	Quienes son el estrés y la ansiedad	10/10/2024	1
Flores, Ariline	Ventana de apoyo: PEARs	10/15/2024	3
Flores, Ariline	Manejo de alimentos en festividades	10/18/2024	3
Flores, Ariline	Se feliz, diviértete y maneja tu peso	10/18/2024	1.5
Flores, Ariline	Eleva la Inclusión: Desafiando el edadismo hacia los adultos mayores	12/03/2025	1.5
Flores, Ariline	Eleva la Enseñanza: Juegos competitivos y cooperativos mediante las bellas artes	12/03/2024	1.5
Flores, Ariline	Eleva la Salud: Estrategias para la prevención y el control del dengue	12/03/2024	1.5
Flores, Ariline	Métodos de extracción del café de alta calidad	12/18/2024	4
Flores, Ariline	Presentación Industria de carne bovina en Puerto Rico.	12/22/2024	1
Flores, Ariline	Día de Campo visita a Emprosur, Hacienda Don Corral, Hacienda Las Carolinas	01/24/2025	7
Flores, Ariline	Touch Down: Se feliz, diviértete y maneja tu peso	01/31/2025	3
Flores, Ariline	Papel que florece: Creación Artesanal de propagación con semillas ornamentales	02/28/2025	2
Flores, Ariline	Capacitación Mes de la Nutrición 2025: La Alimentación Nos Une	02/06/2025	1.5
Flores, Ariline	Desafíos del liderazgo	02/18/2025	1.5
Flores, Ariline	2025 National EFNEP Coordinator Conference	02/18-21/2025	20
Flores, Ariline	Uso del Extintor	03/07/2025	2
Flores, Ariline	Capacitación Actividad Física EFNEP	03/17/2025	2
Flores, Ariline	La conectividad con el Ambiente y el bienestar humano	03/28/2025	1.5
Gautier, Carlos	Día de Campo: Manejo y procesamiento de ganado y carne de res en PR	08/02/2024	7
Gautier, Carlos	Taller uso de Radio GMRS	28/10/24	5

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Gautier, Carlos	Capacitación sobre la Abeja Merifela Tropical de PR.	11/ 01/24	4
Gautier, Carlos	Capacitación plataforma PEARS y planes de trabajo.	11/08/2024	7
Gautier, Carlos	Conferencia: La inteligencia artificial y su implementación en la docencia del extensionista.	12/06/2024	2
Gautier, Carlos	Influenza aviar	01/21/2025	3
Gautier, Carlos	El Cultivo de La Pana	21/03/2025	4
Gautier, Carlos	MIP en Hortalizas	27/03/2025	4
Gautier, Carlos	MIP en Yautías	7/04/2025	4
González, Wilma	Apoyo CTI	10/21/2024	3
González, Wilma	Apoyo MEI	12/02/2024	3
González, Wilma	Apoyo PEARS	03/17/2025	3
González, Wilma	CE-9	11/21/2024	7.5
González, Wilma	Educación por la Paz	01/24/2025	3
González, Wilma	Enlace con el Personal- Retiro	02/19/2025	3
González, Wilma	Influenza Aviar	01/21/2025	3
González, Wilma	Estrategias Bigeneracionales	04/23/2025	2
González, Wilma	Nueva Plataforma PEARS	09/10/2024	7.5
González, Wilma	PEARS	10/15/2024	3
González, Wilma	Preparación de alimentos para festividades y manejo seguro del pavo	10/18/2024	3
González, Wilma	Propuesta de labor educativa para el desarrollo del Plan de Trabajo	10/23/2024	7.5
González, Wilma	Síndrome del Cuidador	02/21/2025	2
González, Wilma	Uso de extintores	03/25/2025	4
Hernández, Bryan	Fortaleciendo el liderazgo: Capacitación para Juntas Directivas (Rural LISC)	10/23/25	5
Hernández, Bryan	La arboricultura aplicada a la agronomía en Puerto Rico (CAPR)	10/4/24	1
Hernández, Bryan	BioChar (CAPR)	10/4/24	2
Hernández, Bryan	Uso de Inteligencia Artificial en la Educación Agrícola (FCA)	11/1/24	2
Hernández, Bryan	Uso de la inteligencia artificial en la agricultura (AAA)	12/6/24	1
Hernández, Bryan	Seminario: Cosecha y almacenamiento de habichuelas	10/3/24	1.5
Hernández, Bryan	Seminario: Rhizobium: Beneficios y uso en la habichuela	10/3/24	1.5
Hernández, Bryan	Terminación de Cacao (Hacienda Terruño)	9/31/24	6
Hernández, Bryan	Conferencia: Gripe Aviar	1/21/25	1.5
Hernández, Bryan	Taller: Uso de Extintores de fuego: basado en el estándar NFPA 10	3/04/25	4

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Hernández, Bryan	Guía Curricular de Polinizadores	4/23/25	3
Hernández, Bryan	PhotoMarton: Cultivos farináceos en el municipio de Aguada (CAPR)	1/25/25	4
Hernandez Aquino, Bryan J.	Curso Corto: Cultivo de ñame (EEA Isabela)	9/23/24	4
Hernández, Bryan	Capacitación PEARS C-9	10/21/24	7.5
Irizarry, Isbeth	4-H Positive Youth Academy	04/02/2025	3.5
Irizarry, Isbeth	4-H Positive Youth Academy	02/04/2025	3.5
Irizarry, Isbeth	4-H Positive Youth Academy	02/05/2025	3.5
Irizarry, Isbeth	4-H Positive Youth Academy	02/06/2025	3.5
Irizarry, Isbeth	4-H Positive Youth Academy	03/05/2025	3.5
Irizarry, Isbeth	4-H Positive Youth Academy	05/07/2025	3.5
Irizarry, Isbeth	Bioseguridad en la Finca: gripe aviar	01/21/2025	3
Irizarry, Isbeth	Capacitación PEARS	03/17/2025	3
Irizarry, Isbeth	Carta de Derechos de Personas con Impedimento	09/18/2024	3
Irizarry, Isbeth	Cómo utilizar CANVA para crear material educativo	09/26/2024	3
Irizarry, Isbeth	Construcción de cercas para el manejo de animales en finca	02/12/2025	2
Irizarry, Isbeth	Distribution and IPM of Thrips parvispinus, a new invasive pest in Puerto Rico	10/18/2024	7.5
Irizarry, Isbeth	Edadismo	12/12/2024	4
Irizarry, Isbeth	Estudio Viabilidad para empresas agrícolas	04/05/2025	4
Irizarry, Isbeth	Ética y servicio: ejecución con excelencia	09/19/2024	3
Irizarry, Isbeth	Foro: Reimaginando la Educación para Construir la Paz	01/24/2025	3
Irizarry, Isbeth	IPM for Greenhouse Pests	02/20/2025	2
Irizarry, Isbeth	Perspectivas morales para el capital humano	09/19/2024	2
Irizarry, Isbeth	Plataforma PEARS	09/10/2024	7.5
Irizarry, Isbeth	Protocolo para la atención de personas sobrevivientes de violencia de género en situaciones de violencia doméstica	09/19/2024	5
Irizarry, Isbeth	Protocolo para la investigación de muertes violentas de mujeres y personas trans, por razones de género (feminicidios)	09/19/2024	5
Irizarry, Isbeth	Síndrome de sobrecarga del cuidador	02/21/2025	2
Irizarry, Isbeth	Taller Conservación de Suelos	03/19/2025	4
Irizarry, Isbeth	Taller Uso de Extintores	03/25/2025	4

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Irizarry, Isbeth	Tecnología: Aliada en la lucha contra la corrupción	09/19/2025	3
Irizarry, Isbeth	The Endangered Species Act and EPA IPM	10/15/2024	3
Irizarry, Isbeth	Webinar Thrips parvispinus	03/12/2025	2
Irizarry, Isbeth	Reproducción y pastoreo de Pequeños Rumiantes. Colegio de Ciencias Agrícolas.	03/08/2024 – 03/09/2024	16
Laboy Colón, Nora	El gran desafío de la conectividad rural	08/30/2024	4
Laboy Colón, Nora	Manejo de alimentos en festividades	10/18/2024	4
Laboy Colón, Nora	Uso y manejo de extintores	10/24/2024	4
Laboy Colón, Nora	Eleva la inclusión: Desafiando el edadismo hacia los adultos mayores	12/01/2024	2
Laboy Colón, Nora	Eleva la enseñanza: Juegos competitivos y cooperativos mediante las bellas artes	12/01/2024	2
Laboy Colón, Nora	Eleva la salud: Estrategias para la prevención y el control del dengue	12/01/2024	2
Laboy Colón, Nora	Como diseñar tus metas para un nuevo año productivo	01/22/2025	2
Laboy Colón, Nora	Camino hacia la buena salud	03/21/2025	6
Laboy Colón, Nora	La conectividad con el ambiente natural y el	03/28/2025	6
Laboy Colón, Nora	bienestar humano	03/28/2025	6
Laboy, Janet	Taller Básico Desarrollo de Mariposario	08/27/2024	4
Laboy, Janet	Cultivando la Influencia: Impactando la Alimentación desde las Redes Sociales	10/03/ 2024	8
Laboy, Janet	Cumbre 2024 Sabor y Vida Segmento Raíces de Cambio Temas: Nutrición Ancestral: Lecciones del pasado.	10/04/2024	8
Laboy, Janet	Capacitación: Manejo de alimentos en festividades	10/18 / 2024	4
Laboy, Janet	Capacitación: Propuesta de Labor	11/22/ 2024	7.5
Laboy, Janet	Educativa para el desarrollo del Plan de Trabajo	11/22/ 2024	7.5
Laboy, Janet	Ventana de Apoyo MEI	12/02/ 2024	4
Laboy, Janet	Día del CFC	12/03 /2024	7.5
Laboy, Janet	Tema: Eleva la inclusión	12/03 /2024	7.5
Laboy, Janet	Eleva la enseñanza Eleva la salud	12/03 /2024	7.5
Laboy, Janet	Capacitación: Guía del Proyecto Cuatro	02/24/ 2025	7.5
Laboy, Janet	Patas 4-H	02/24/ 2025	6
Laboy, Janet	Taller: Relaciones interpersonales saludables	02/28/2025	2
Laboy, Janet	Día Internacional del Profesional de la Familia y del Consumidor / Tema: Del	03/13 / 2025	6

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
	conocimiento a la acción: Empodérate de CFC		
Laboy, Janet	Taller: Uso de extintores	03/25/ 2025	4
Laboy, Janet	Capacitación Actualización de la Guía Educativa Hacia la Buena Salud	03/27/ 2025	7.5
Laboy, Janet	Día del Profesional CFC del SEA Tema: La conectividad con el ambiente natural y el bienestar humano	03/28/ 2025	7.5
Laboy, Janet	Flores Comestibles- Recurso Asociación de Especialistas de Extensión Agrícola	12/17/2024	2
Lanzó, Ricardo	"Manejo y Procesamiento de Ganado y Carne de Res en Puerto Rico"	08/02/2024	7.5
Lanzó, Ricardo	PEARS y CE-9 Norte Central	09/07/2024	7.5
Lanzó, Ricardo	Uso de la Inteligencia Artificial en la Docencia	12/06/2024	2
Lanzó, Ricardo	Presente y Futuro de la Producción y Mercadeo de la China Dulce	12/10/2024	7.5
Lanzó, Ricardo	Capacitación: Aviar Influenza Virus	01/21/2025	2.5
Lanzó, Ricardo	Reimaginando la educación para construir la paz	01/24/2025	2
Lanzó, Ricardo	Estrategias para la prevención de patógenos y la resistencia a antibióticos en ganado lechero	02/21/2025	7.5
Lanzó, Ricardo	Cuando la mujer habla: derechos, equidad	03/07/2025	2
Lanzó, Ricardo	Uso y Manejo de Extintores	03/11/2025	3
Lanzó, Ricardo	Inteligencia emocional para un entorno laboral competitivo y armonioso.	03/21/2025	2.5
Lanzó, Ricardo	Capacitación estrategias reproductivas y nutricionales para enfrentar los desafíos actuales de ganaderos PR	04/04/2025	7.5
Lanzó, Ricardo	Manejo Integrado de Enfermedades en Yautía IMP Program Puerto Rico & US Virgin Islands	04/07/2025	4
López, Maribel	PEARS	08/27/2024	6.5
López, Maribel	Manejo de situaciones de violencia de género en el salón de clase	09/09/2024	1.5
López, Maribel	Manejo de los alimentos durante las festividades	09/09/2024	1.5
López, Maribel	Calendario de Outlook	10/21/2024	2
López, Maribel	Redacción estratégica	10/25/2024	2
López, Maribel	Seminario Inseguridad Alimentaria	10/30/2024	2
López, Maribel	Capacitación PEARs	11/08/2024	6.5
López, Maribel	Seminario Como enfrentar la navidad y otras fechas significativas cuando estamos en duelo	11/08/2024	6.5

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
López, Maribel	Seminario Cómo ayudarnos y ayudar a otros ante una pérdida	12/16/2024	2
López, Maribel	Capacitación Propuesta Labor educativa para el desarrollo del plan de trabajo CFC	12/16/2024	2
López, Maribel	Influenza Aviar	01/21/2025	3
López, Maribel	Conversatorio Re imaginando la educación para construir la paz	01/24/2025	2
López, Maribel	Deshidratación de alimentos	01/31/2025	5
López, Maribel	Nutrición, emociones y rendimiento académico. Una perspectiva integral	02/04/2025	1
López, Maribel	Conversatorio Cuando la mujer habla: derechos, equidad y empoderamiento	03/07/2025	2
López, Maribel	Seminario Inteligencia emocional en el ámbito laboral para un entorno competitivo y	03/07/2025	2
López, Maribel	Taller Uso de Extintores	03/25/2025	3
Lugo, Víctor	Curso corto de Ñame	10/23/2024	5
Lugo, Víctor	Planes de Trabajo y CE-9	11/21/2024	8
Lugo, Víctor	Ventana de Apoyo MEI	12/02/2024	3
Lugo, Víctor	Foro de Cítricas en Las Marías	12/10/2024	8
Lugo, Víctor	Capacitación virtual Gripe Aviar	01/21/2025	3
Lugo, Víctor	Webinar Prácticas Agrícolas y ganaderos climáticamente inteligente.	02/19/2025	3
Lugo, Víctor	Uso y manejo de extintores de fuego	03/18/2025	4
Marrero, José	Foro: Manejo Integrado de la Roya del Ñame en P.R.	10/30/2024	3.5
Marrero, José	Capacitación Sistema de InformesPEARS	11/07/2024	7.5
Marrero, José	Presente y Futuro de la Producción y Mercadeo de la China Dulce	12/10/2024	7.5
Marrero, José	Foro Importancia de los Polinizadores en la Agricultura	03/19/2025	4.0
Marrero, José	Taller Uso y Manejo de Extintores	03/24/2025	3.0
Marrero, José	Adiestramiento Área de Prioridad, Manejo Integrado de Enfermedades en Yautía –	04/07/2025	6.0
Marrero, José	Proyecto IPM Program for PR & USVI	04/07/2025	6.0
Marrero, José	Pesticide Application Field Training for Root and Tuber Crops	04/08/2025	6.5
Martínez, Iris	Congreso Latinoamericano sobre Adultos Mayores y Cuidadores: Abordando los retos y necesidades	18/02/2024	6
Martínez, Iris	Inocuidad de los alimentos	16/02/2024	8
Martínez, Iris	Familias Preparando Alimentos Seguros	05/04 /2024	8
Martínez, Iris	Propuesta Labor educativa para el desarrollo del plan de trabajo	23/ 10/ 2024	8

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Martínez, Iris	Gamificadores para producir energía en una emergencia	18/06/2024	8
Martínez, Iris	Sistema de Información "PEARS"	10/09/2024	8
Martínez, Iris	Capacitación: Deshidratación	31/01/2025	8
Martínez, Iris	Capacitación: Uso de Extintores	25/03/2025	8
Martínez, Iris	Guía educativa: El Camino hacia la Buena Salud	27/03/2025	8
Martínez, Iris	Deberes éticos antes otro empleados y responsabilidades	06/02/2024	4
Martínez, Iris	Manejo de Alimentos en Festividades	18/10/2024	4
Martínez, Iris	Virus Fiebre Aviar	21/01/2025	4
Martínez, Iris	Desafíos de Liderazgos	18/02/2025	2
Mojica, Leslie	Manual de Ingesta dietaria de 24 horas en EFNEP	08/20/2024	5
Morales, Lisa	Orientación sobre implementación sistema Kronos	02/05/2024	1
Morales, Lisa	Autoestima con valor y desarrollo	11/25/2024	2
Morales, Lisa	del pensamiento positivo	11/25/2024	2
Morales, Lisa	Día CFC: Actividades para Jóvenes, Edadismo, Conociendo el Mosquito entre otros.	12/03/2024	6
Morales, Lisa	Métodos de extracción del café de alta calidad	12/18/2024	3
Morales, Lisa	2024 Infant Feeding Roundup New Research Guidelines	01/17/2025	1
Morales, Lisa	Fortaleciendo la seguridad Alimentaria -Día de Campo	01/27/2025	3
Morales, Lisa	Touchdown Se feliz, diviértete y maneja tu peso- practico	01/31/2025	2
Morales, Lisa	Papel que Florece	02/28/2025	3
Morales, Lisa	La Yautía: Ecología, economía y cultura de un cultivo ancestral	03/07/2025	3
Morales, Lisa	Taller de extintores	03/11/2025	2
Morales, Lisa	Serie Educativa: El Poder de la Actividad Física	03/12/2025	3
Morales, Lisa	Del Conocimiento a la Acción: Empodérate de CFC	03/13/2025	6
Morales, Lisa	Taller: Actividad Física EFNEP y Kine	03/17/2025	2
Morales, Lisa	Capacitación Actualización de la Guías hacia la Buena Salud	03/21/2025	6
Morales, Lisa	La conectividad con el ambiente y el bienestar humano	03/28/2025	1.5
Morales, Lisa	Plan de 5 años 2025-2029 EFNEP PR	10/03/2025	1.5
Muñoz, Yolanda	PEARS	09/10/2024	8

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Muñoz, Yolanda	Manejo de Alimentos en Festividades	10/18/2024	4
Muñoz, Yolanda	Propuesta de Labor Educativa para el Desarrollo del Plan de Trabajo	10/23/2024	8
Muñoz, Yolanda	Influenza Aviar	01/21/2025	4
Muñoz, Yolanda	Guía Educativa El Camino hacia la Buena Salud	03/21/2025	8
Ojeda, Mariely	Convención Anual Departamento de Recreación y Deportes: Mentes y Cuerpos en Acción	09/06/2024 09/07/2024	30
Ojeda, Mariely	Cumbre Sabor y Vida en la Era de la Innovación	10/03/2024 10/04/2024	15
Ojeda, Mariely	Sé feliz, diviértete y maneja tu peso	10/18/202	3.5
Ojeda, Mariely	Manejo de alimentos en festividades	10/18/2024	3
Ojeda, Mariely	Capacitación propuesta de labor educativa para el desarrollo del plan de trabajo	11/22/2024	7.5
Ojeda, Mariely	Eleva las Ciencias de la Familia y del Consumidor	12/03/2024	7.5
Ojeda, Mariely	Conferencia anual- Puerto Rico Voluntary Organizations Active in Dissaster	01/29/2025	21
Ojeda, Mariely	Actualización Guía Educativa El camino hacia la buena salud	03/21/2025	7.5
Ojeda, Mariely	Manejo y uso de extintores	03/25/2025	2
Ojeda, Mariely	Día Internacional del Profesional de las Ciencias de la Familia y del Consumidor de Extensión	03/28/2025	7.5
Ojeda, Mariely	Compendio para la práctica de trabajo social con individuos, familias, grupos y comunidades	03/09/2025	45
Olmedo, Dor	Ingesta Dietaria de 24 horas ESBA	08/20/2024	6
Olmedo, Dor	The Ubiquity of Phosphate Food Additives: Cause for Concern?	08/21/2024	1
Olmedo, Dor	Guía para educadores para implementar Currículo Coma bien•Manténgase activo. STOP/Lección #1	08/22/2024	7.5
Olmedo, Dor	Guía para educadores para implementar Currículo Coma bien•Manténgase activo. Lección #2/#3	08/27/2024	7.5
Olmedo, Dor	Guía para educadores para implementar Currículo Coma bien•Manténgase activo. Lección #4/#5	08/29/2024	7.5
Olmedo, Dor	Guía para educadores para implementar Currículo Coma bien•Manténgase activo. Lección #6/#7	09/03/2024	7.5
Olmedo, Dor	Guía para educadores para implementar Currículo Coma bien•Manténgase activo. Lección #8/#9	09/05/2024	7.5

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Olmedo, Dor	Capacitación PEARS	09/12/2024	6
Olmedo, Dor	Capacitación: EFNEP 5 Year Plan	10/03/2024	1.5
Olmedo, Dor	Ventana de apoyo: PEARS	10/14/2024	2
Olmedo, Dor	Soy Essentials: Evidence Based Insights and Culinary Tips	12/02/2024	1.25
Olmedo, Dor	Flavorful Cooking: Using Herbs and Spices	12/05/2024	0.50
Olmedo, Dor	Plant Forward Menus: Successful Integration	12/05/2024	1
Olmedo, Dor	Métodos de extracción del café	12/18/2024	4
Olmedo, Dor	Healthy Beginnings: Nourishing Healthy Habits in Moms, Babies, Children and Adolescents with Fresh Avocado	01/09/2025	1
Olmedo, Dor	Healthy Futures: Establishing and Sustaining Healthy Habits throughout Adulthood with fresh avocado	01/10/2025	1
Olmedo, Dor	Capacitación: PEARS	01/23/2025	5
Olmedo, Dor	Orientación sobre la implementación del sistema registro UKG Pro Workforce Management-SEA	02/06/2025	1
Olmedo, Dor	Capacitación: Mes de la Nutrición 2025: La alimentación nos une	02/06/2025	1.5
Olmedo, Dor	Fuel for the Foodie Generation: Walnuts for Gen Z and Millennials Well Being	02/12/2025	1
Olmedo, Dor	Papel que florece: Creación artesanal de propagación con semilla ornamentales	02/28/2025	2
Olmedo, Dor	Capacitación: Uso del Extintor	03/07/2025	2
Olmedo, Dor	Capacitación: Serie Educativa: El poder de la actividad física	03/12/2025	3
Olmedo, Dor	A Taste of Culinary Nutrition from Around the Globe-Japanese Cuisine	03/13/2025	2
Olmedo, Dor	Creación de Huertos como Experiencia de Aprendizaje para niños	03/14/2025	1
Olmedo, Dor	Hábitos Alimentarios Sustentables	03/14/2025	1
Olmedo, Dor	Consejos para el Desarrollo del Huerto Casero	03/14/2025	1
Olmedo, Dor	Conectamos con Alimentos de Nuestra Tierra	03/14/2025	1
Olmedo, Dor	El uso de la Jardinería como Actividad Física en el Manejo del Peso	03/14/2025	1
Olmedo, Dor	De la Tierra a la Boca: Disminuyendo los Intermediarios	03/14/2025	1
Olmedo, Dor	Flores para Adornar tu Paladar	03/14/2025	1
Olmedo, Dor	Capacitación Actividad Física: Prioridades EFNEP	03/17/2025	2

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Olmedo, Dor	Capacitación: Guía Educativa-El camino hacia la buena salud	03/21/2025	6
Olmedo, Dor	Taller de actividad física: Prioridades EFNEP	04/04/2025	3
Ortiz, Sixto	Fitogeografía antigua de algunas plantas económicas neotropicales: raíces, rizomas y tubérculos,	05/29/2024	1
Ortiz, Sixto	Rescatando el Ganado Criollo de Puerto Rico	06/07/2024	6
Ortiz, Sixto	Preparación de Propuestas Federales para Agricultores	06/6-13-18-25/2024	12
Ortiz, Sixto	Bases para constituir una Asociación de criadores de una raza bovina criolla pura y sus cruces.	06/11/2024	1.5
Ortiz, Sixto	Procedimiento parlamentario	09/23/2024	1.5
Ortiz, Sixto	Mercadeo Agrícola	10/2-9-16-23/2024	15
Ortiz, Sixto	Manejo Integrado del Ñame en Puerto Rico	10/30/2024	3
Ortiz, Sixto	La inteligencia artificial y su implementación en la docencia del extensionista	12/6/2024	1.5
Ortiz, Sixto	47ma Reunión Científica y Asamblea Anual de la Sociedad Puertorriqueña de Ciencias Agrícola	12/13/2024	8
Ortiz, Sixto	Curso teórico y práctico sistemas silvopastoriles	12/17-18-19-/2024	6
Ortiz, Sixto	Cultivo de yautía y Desinfección y manejo de semilla asexual de yautía	01/10/2025	4
Ortiz, Sixto	La gripe (influenza) aviar	01/21/2025	3
Ortiz, Sixto	Enfermedades de Habichuelas y su Manejo	02/13/225	1
Ortiz, Sixto	Semana de Capacitación Agrícola del Programa "Puerto Rico Agricultural Legacy Initiative"	02/28-29-30/2025	6
Ortiz, Sixto	Manejo Integrado de Plagas en Hortalizas	03/27/2025	4
Ortiz, Sixto	Manejo Integrado de Enfermedades en Yautía	04/7/02025	6
Ortiz, Sixto	Aplicación de pesticidas en cultivos de raíces y tubérculos	04/8/2025	7
Ortiz, José	Manejo y Procesamiento de Ganado y Carne de Res en Puerto Rico	08/02/2024	7.5
Ortiz, José	Capacitación sobre Plataforma PEARS	08/27/2024	6
Ortiz, José	Capacitaciones sobre Caficultura en Premiación de Taza de Oro	09/27/2024	3.5
Ortiz, José	Curso Corto de Producción de ñame	10/23/2024	5
Ortiz, José	Taller y Orientación sobre Radios GMRS	10/28/2024	5
Ortiz, José	Foro Educativo: Manejo de la Roya del ñame	10/30/2024	4

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Ortiz, José	Capacitación PEARS y CE-9 Región Norte Central	11/07/2024	7.5
Ortiz, José	Capacitación Bosque Maduro: Reforestación Climáticamente Inteligente	11/22/2024	7.5
Ortiz, José	Capacitación Uso de Inteligencia Artificial en la Docencia	12/06/2024	2
Ortiz, José	Foro Educativo: Presente y Futuro de la Producción y Mercadeo de la China Dulce	12/10/2024	7.5
Ortiz, José	Presentaciones Asamblea SOPCA	12/13/2024	5
Ortiz, José	Capacitación Virtual: Gripe Aviar	01/21/2025	3
Ortiz, José	Reimaginando la educación para construir la paz	01/24/2025	2
Ortiz, José	Uso y Manejo de Extintores	03/11/2025	3
Ortiz, José	Foro: Importancia de los Polinizadores en la Agricultura	03/19/2025	7.5
Ortiz, José	Inteligencia emocional para un entorno laboral competitivo y armonioso	03/21/2025	2.5
Ortiz, José	Día de Campo: Salvemos nuestras cítricas, un paso a la vez	04/03/2025	7.5
Ortiz, José	Capacitación Estrategias Reproductivas y Nutricionales para enfrentar los Desafíos Actuales de los Ganaderos en Puerto Rico	04/04/2025	7.5
Ortiz, José	Adiestramiento Manejo Integrado de Enfermedades en Yautía	04/07/2025	7.5
Pagán, Suzika	Plataforma PEARS Norte Central	08/16/2024	5
Pagán, Suzika	Plataforma PEARS Norte Central	11/07/2024	5
Pagán, Suzika	La inteligencia artificial y su implementación en la docencia del extensionista (Asamblea Asociación de Agentes Agrícolas)	12/06/2024	1
Pagán, Suzika	47ma Reunión Científica y Asamblea Anual de la Sociedad Puertorriqueña de Ciencias Agrícolas	12/13/2024	4
Pagán, Suzika	Estrategias para la prevención de patógenos y la resistencia a antibióticos en ganado lechero	02/21/2025	7.5
Pagán, Suzika	PRGOSHEPI-FAMACHA© System to assist with the control of Haemonchus contortus worm	02/28/2025	3
Pagán, Suzika	Estrategias reproductivas y nutricionales para enfrentar los desafíos actuales de los ganaderos de Puerto Rico	04/04/2025	7.5
Pérez, Zulma	Camino hacia la Buena Salud	03/27/2025	7.5
Pérez, Zulma	Ventana sobre Plataforma PEARS	03/17/2025	2
Pérez, Zulma	Beneficios del Fideicomiso del Sistema de Retiro	03/13/2025	2
Pérez, Zulma	Capacitación sobre uso de Extintores	03/04/2025	4

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Pérez, Zulma	Conferencia: ¿Qué es el tiempo?	02/14/2025	2
Pérez, Zulma	Conferencia: Siembras en la Estación Experimental	12/17/2024	4
Pérez, Zulma	Conferencia: Preparándote para la jubilación	11/01/2024	2
Pérez, Zulma	Ventana de Apoyo para el manejo de Calendario Outlook	10/21/2024	2
Pérez, Zulma	Manejo Seguro de alimentos en Fiestas y Bufés	10/18/2024	7.5
Pérez, Zulma	Plataforma PEARS y la CE-9	10/15/2024	2
Pérez, Zulma	Auto Examen de mamas: Una Herramienta de Prevención y Detección temprana	10/08/2024	3
Pérez, Zulma	Prevención de suicidios con armas letales – Elige vivir	10/01/2024	2
Pérez, Zulma	Introducción Plataforma PEARS	09/10/2024	7.5
Pérez, Zulma	Retos Actuales en Puerto Rico	04/28/2024	4
Pérez, Zulma	Impactos Económicos y Servicios Ecosistema (Proyecto Master Gardener)	04/28/2024	4
Pérez, Zulma	Objetivos de Desarrollo Sostenible	03/20/2024	7.5
Pérez, Keishla	Ética y educación	08/19/2024	45
Pérez, Keishla	Capacitación PEARS – Región Norte Central	09/11/2024	7.5
Pérez, Keishla	Modelos y estrategias de liderazgo	10/14/2024	45
Pérez, Keishla	Capacitación Manejo de alimentos en festividades	10/18/2024	2
Pérez, Keishla	Mejoramiento Profesional AECFCE – Se feliz, diviértete y maneja tu peso	10/18/2024	3.5
Pérez, Keishla	Adiestramiento Uso y Manejo de Extintores	10/24/2024	4
Pérez, Keishla	Capacitación Plan de Trabajo Anual CFC	10/31/2024	7.5
Pérez, Keishla	Capacitación PEARS / CE-9 Región Norte Central	11/07/2024	7.5
Pérez, Keishla	Cómo enfrentar la navidad y otras fechas significativas cuando estamos en duelo	12/03/2024	2
Pérez, Keishla	Eleva las Ciencias de la Familia y del Consumidor	12/03/2024	7.5
Pérez, Keishla	Cómo ayudarnos y ayudar a otros ante una pérdida	12/16/2024	2
Pérez, Keishla	Liderazgo instruccional	01/13/2025	45
Pérez, Keishla	Relaciones interpersonales saludables	02/28/2025	2
Pérez, Keishla	Reunión administrativa y programática Educadoras Región Norte Central	03/07/2025	7.5
Pérez, Keishla	Liderazgo y cambio organizacional	03/10/2025	45
Pérez, Keishla	Capacitación Virtual Proyecto Cuatro Patas 4-H	03/31/2025	3

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Pérez, Keishla	Puertorriqueños que transforman países (Asamblea Personal Docente)	04/11/2025	1
Pérez, Raúl	Comunicaciones de emergencia GMRS-SARE (Sr. William Planas)	18/10/2024	4
Pérez, Raúl	Extreme weather - USDA	12/05/2024	1
Pérez, Raúl	Inteligencia Artificial (Asociación Agentes Agrícolas, Dr. Ferrán)	12/06/2024	2
Pérez, Raúl	Foro Cítricos (Prof. José Zamora)	12/10/2024	8
Pérez, Raúl	Gripe Aviar (Prof. Carlos Nazario)	01/21/2025	1
Planell, Manrique	Capacitación Plataforma PEARS	09/11/2024	3
Planell, Manrique	Seminario Preservación Semilla de Habichuelas	10/03/2024	2
Planell, Manrique	Foro Manejo Integrado de la Roya del Ñame	10/30/2024	3
Planell, Manrique	Capacitación Plataforma PEARS y CE-9	11/07/2024	7.5
Planell, Manrique	Foro: Cítricas	12/10/2024	7.5
Planell, Manrique	Capacitación Influenza Aviar	01/21/2025	3
Planell, Manrique	Capacitación: Registro Asistencia KRONOS	02/05/2025	3
Planell, Manrique	Capacitación: Enfermedades en Habichuelas	02/13/2025	2
Planell, Manrique	Capacitación: Manejo de Extintores	03/04/2025	3
Planell, Manrique	Taller: Gasificación Biomasa	03/11/2025	3
Ramos, José	Plataforma PEARS-Norte Central	08/15/2024	5
Ramos, José	Taller Estadística Intermedia	10/19/2024 al	6
Ramos, José	Plataforma PEARS-Norte Central	11/07/2024	5
Ramos, José	Reunión de Empresa de Café – Estación Experimental Agrícola	11/15/2024	3
Ramos, José	Congreso Científico del 75 Aniversario de la Colección Internacional de Café - CATIE	12/03/2024 al 12/05/2024	28
Ramos, José	47ma Reunión Científica y Asamblea Anual de la Sociedad Puertorriqueña de Ciencia Agrícolas	12/13/2024	4
Ramos, José	Capacitación nuevo Reglamento de Plaguicida de Puerto Rico	12/16/2024	4
Ramos, José	Seminario Estadísticas no paramétricas - PUCPR	04/09/2025	2
Ramos, Annelisse	Día de Campo : Manejo y procesamiento de ganado y carne de res en PR	08/02/2024	7
Ramos, Annelisse	Manejo agronómico de cobertoras y su impacto en salud del suelo en sistemas producción hortalizas	08/02/2024	7
Ramos, Annelisse	Taller : Análisis del sector cacaotero en PR	09/25/2024	2

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Ramos, Annelisse	Taller : Uso de radio GMRS en emergencias agrícolas y comunitarias	10/28/2024	5
Ramos, Annelisse	Capacitación : Manejo del comportamiento de las abejas	11/01/2024	7
Ramos, Annelisse	Conferencia: La inteligencia artificial y su implementación en la docencia del extensionista	11/01/2024	7
Ramos, Annelisse	Capacitación : Influenza aviar	01/21/2025	3
Ramos, Annelisse	Taller : Ética para agrónomos	02/07/2025	5
Ramos, Annelisse	Certificación: Buenas prácticas agrícolas	02/08/2025	4
Ramos, Annelisse	Certificación: Ley FSMA	02/22/2025	4
Ramos, Annelisse	Día de la Mujer Agrónoma	03/07/2025	6
Ramos, Annelisse	Certificación: Agricultura responsable	03/15/2025	4
Rivera, Daiana	Certificación de coaching en salud y bienestar	12/16/2024	40
Rivera, Daiana	Huerto Casero	10/4-11-25/2024	16
Rivera, Daiana	Preparación de CASEA	12/14/2024	7.5
Rivera, Daiana	Propuesta de Labor Educativa	01/17/2025	7.5
Rivera, Daiana	Nutrición, emociones y rendimiento académico	02/04/2025	3
Rivera, Daiana	Uso correcto de Extintores	03/18/2025	2
Rivera, Daiana	Camino hacia a la salud	03/21/2025	4
Rivera, Maritere	Desarrollo Profesional: Asociaciones y Certificaciones Profesionales CFC (AAFCS)	08/28/2024	3
Rivera, Maritere	Capacitación PEARS	09/06/2024	7.5
Rivera, Maritere	Capacitación de Manejo de alimentos en festividades.	10/18/2025	3
Rivera, Maritere	Conectando perfiles: Una mirada. Nuevos retos: Marca Profesional	11/13/2025	7.5
Rivera, Maritere	Capacitación PEARS CE-9 Región Noreste	11/14/024	7.5
Rivera, Maritere	Propuesta de labor educativa para el desarrollo del plan de trabajo CFC	11/18/2024	7.5
Rivera, Maritere	Impacto y transformación CFC 2024 (día CFC 2024)	12/03/2024	7.5
Rivera, Maritere	Reimaginando la educación para construir la paz	01/24/2025	3
Rivera, Maritere	Papel que florece: Propagación de semillas	01/31/2025	2
Rivera, Maritere	Ciclo de Capacitación de la plataforma Moodle - H5P	02/03/2025	2
Rivera, Maritere	Ciclo de Capacitación de la plataforma Moodle - H5P - Virtual Tour (360)	02/05/2025	2

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Rivera, Maritere	Ciclo de Evaluación del aprendizaje: Diseño y estructura de exámenes	02/10/2025	2
Rivera, Maritere	Taller Uso de Extintores de Fuego Región Noreste	03/04/025	2
Rivera, Maritere	Cuando la mujer habla: Derechos, Equidad y Empoderamiento	03/07/2024	3
Rivera, Maritere	Cybersecurity; Empodérate CFC	03/13/2025	7.5
Rivera, Maritere	Capacitación Actualización Guía Camino para la buena Salud	03/21/2025	7.5
Rivera, Maritere	El Arte de Explorar: Naturaleza, Reflexión áreas verdes y áreas azules Equilibrio físico y emocional	03/28/2025	7.5
Rivera, Gloribell	Capacitación en Inocuidad de los Alimentos	02/9/2024	8
Rivera, Gloribell	Capacitación en Generación de Energía Sostenible y Resiliente.	06/6/2024	8
Rivera, Gloribell	Aplicación de teorías de personalidad y áreas de especialidad en consejería.	11/22/2024	2
Rivera, Gloribell	Aspectos éticos en consejería: Fundamentos para el andamiaje de la práctica profesional.	11/22/2024	2
Rivera, Gloribell	Comité de Ética: Medidas de prevención ética, legal y responsable de la consejería profesional.	11/22/2024	2
Rivera, Gloribell	Consideraciones Profesionales, Éticas y Legales para el Consejero Profesional.	11/22/2024	2
Rivera, Gloribell	Bioética en la Consejería: Abordando desafíos entre intersecciones de convicciones personales.	11/23/2024	2
Rivera, Gloribell	Ética en la consejería: En un entorno Cada Vez Mas Diverso.	11/23/2024	2
Rivera, Gloribell	Ética y Creatividad en los procesos de consejería de parejas, lo que un/a CPL debe conocer.	11/23/2024	2
Rivera, Gloribell	Integrando la Inteligencia Artificial en la Consejería: Un Enfoque Ético, Creativo	11/23/2024	2
Rivera, Gloribell	ELEVA las Ciencias de la Familia y el Consumidor.	12/03/2024	8
Rivera, Gloribell	Propuesta de Labor Educativa para el Desarrollo del Plan de Trabajo.	01/17/2025	8
Rivera, Gloribell	Capacitación Uso de Extintores	03/25/2025	4
Rivera, Gloribell	Capacitación Actualización de la Guía Educativa El Camino hacia la Buena Salud.	03/25/2025	4
Rivera, Gloribell	30 Minutos Cuidando Nuestra Salud Física	12/10/2024	0.5
Rivera, Gloribell	Participación Desarrollo Profesional Asociaciones y Certificaciones Profesional en CFC.	08/28/2024	4
Rivera, Gloribell	Capacitación Manejo de Alimentos en Festividades.	10/18/2024	3

Professional Development at the Center for Professional Enrichment (CEP) and others			
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Professor's Name	Course Title	Date	Contact hours
Rivera, Gloribell	30 Minutos Contigo/Cuidando Nuestra Salud Mental.	11/26/2024	0.5
Rivera, Gloribell	30 Minutos Contigo/ Cuidando Nuestras Relaciones	12/03/2024	0.5
Rivera, Gloribell	Capacitación Colaborador Proyecto Alianza	06/6/2024	4
Rodríguez, Carmen	Educación: prevención y transformación social	11/26/2024	3.0
Rodríguez, Carmen	Nueva Plataforma PEARS	8/27/2024	7.5
Rodríguez, Carmen	El discurso de odio en las redes sociales	9/4/2024	3.0
Rodríguez, Carmen	Nutriendo mi yo: Destrezas de autocuidado	9/9/2024	1.50
Rodríguez, Carmen	Sinergia en la administración pública: comunicación asertiva	9/12/2024	3.0
Rodríguez, Carmen	Normas y directrices sobre las actas de los cuerpos directivos	9/21/2024	3.0
Rodríguez, Carmen	Redacción de actas	09/28/2024	3.0
Rodríguez, Carmen	Manejo de alimentos en festividades	10/18/2024	3.0
Rodríguez, Carmen	Propuesta de labor educativa para el desarrollo del plan de trabajo	11/22/2024	7.50
Rodríguez, Carmen	Día CFC ELEVA	12/3/2024	7.50
Rodríguez, Carmen	Platos navideños: Aprende a equilibrar tu nutrición en navidad	12/17/2024	1.0
Rodríguez, Carmen	Plaguicidas caseros	2/5/2025	1.0
Rodríguez, Carmen	Análisis e interpretación de estados financieros	2/18/2025	4.0
Rodríguez, Carmen	Uso y manejo de extintores	3/18/2025	4.0
Rodríguez, Carmen	Actualización de la guía educativa el camino hacia la buena salud	3/27/2025	7.5
Rodríguez, Fabiola	Capacitación PEARS – Región Norte Central	09/11/2024	7.5
Rodríguez, Fabiola	Taller: Aspectos Biopsicosociales y Legales de la Violencia Doméstica	09/12/2024	1.5
Rodríguez, Fabiola	Capacitación Manejo de alimentos en festividades	10/18/2024	2
Rodríguez, Fabiola	Capacitación: “Se feliz, diviértete y maneja tu peso”	10/18/2024	3.5
Rodríguez, Fabiola	Capacitación Plan de Trabajo Anual CFC	10/31/2024	7.5
Rodríguez, Fabiola	Capacitación PEARS / CE-9 Región Norte Central	11/07/2024	7.5
Rodríguez, Fabiola	Eleva las Ciencias de la Familia y del Consumidor	12/03/2024	7.5
Rodríguez, Fabiola	Capacitación: Actualización de la Guía Educativa- El camino hacia la buena salud	03/21/2025	4
Rodríguez, Fabiola	Capacitación: Manejo y uso de extintores	03/24/2025	1.5

Professional Development at the Center for Professional Enrichment (CEP) and others			
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Professor's Name	Course Title	Date	Contact hours
Rodríguez, Fabiola	Capacitación Virtual Proyecto Cuatro Patas 4-H	03/31/2025	3
Román, Irene	Capacitación PEARS	09/10/2024	8
Román, Irene	"Manejo eficiente del ganado de carne en PR"	08/02/2024	8
Román, Irene	Taller y orientación sobre uso de radio GMRS en caso de emergencia	10/28/2024	4
Román, Irene	"Presente y Futuro de la Producción y Mercadeo de la China Dulce"	12/10/2024	8
Román, Irene	Curso "Ética para Agrónomos"	01/07/2025	8
Román, Irene	Taller "Aspectos Legales que Afectan la Agricultura"	03/13/2025	3
Román, Irene	Taller "Uso de Extintores de Fuego"	03/25/2025	2
Rosa, Patricia	Nueva plataforma digital PEARS	08/14/2024	7
Rosa, Patricia	Sistema de informes PEARS	09/10/2024	7
Rosa, Patricia	Importancia y efectividad del entrenamiento a perros	10/10/2024	3
Rosa, Patricia	Como certificarse como Artesanos en Puerto Rico	10/25/2024	4
Rosa, Patricia	Planes de Trabajo CFC, Propuesta de labor educativa	10/1/2024	7
Rosa, Patricia	Plataforma PEARS y C-9	11/21/2024	7
Rosa, Patricia	Kinesiología y beneficios a la salud	01/25/2025	3
Rosa, Patricia	El cacao y sus beneficios a la salud	01/31/2025	1
Rosa, Patricia	Uso y manejo de extintores	03/18/2025	4
Rosa, Patricia	Camino a la buena salud/guía para manejo de la Diabetes	03/27/2025	7
Rosa, Patricia	Responsabilidades Contributivas	05/22/2025	6
Rosa, Patricia	Proyecciones, Metodología de Acompañamiento Anti-opresivo	05/22/2025	6
Rosa, Patricia	Datos, cifras Alzheimer, AAA	08/27/2024	2
Rosa, Patricia	Semana Nacional 4H, Lema, actividades sugeridas	09/30/2024	4
Rosa, Patricia	Manejo de alimentos durante épocas festivas	10/18/2024	4
Rosa, Patricia	Adiestramiento PEARS, repaso	03/10/2025	4
Rosa, Patricia	Estructuras de Negocios	05/02/2025	2
Rosa, Patricia	Planes de Negocios para Comunidades	05/09/2025	2
Rosa, Patricia	Documentación de Ingresos y Gastos	05/09/2025	2
Rosa, Patricia	La Diversidad que nos une	05/22/2025	3

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Rosado, Jeannette	Balance entre el organizador externo e interno. Desarrollo de los Recursos de la Comunidad.	03/11/2024	2.5
Rosado, Jeannette	Día de Campo de Master Gardeners en Byron Pikes de Arecibo.	03/15/2024	8
Rosado, Jeannette	Capacitación: Procesos Parlamentarios.	03/12/2024	5
Rosado, Jeannette	Capacitación: Pesca y agronomía: La industria pesquera en Puerto Rico y Artes de pesca. Ofrecido por Laboratorio de Investigaciones Pesqueras del DRNA.	03/21/2024	5
Rosado, Jeannette	Curso: Manejo agroecológico de materiales de siembra y propagación. Ofrecido por Para la Naturaleza.	08/08/2024	4
Rosado, Jeannette	Día de campo: Cobertoras. Ofrecido por Dr. David Sotomayor, CCA, RUM.	09/18/2024	8
Rosado, Jeannette	Taller: Excel para el desarrollo del presupuesto de propuestas, ofrecido por el Prof. Roberto Rigau y Prof. Alexandra Gregory, SEA, CCA.	09/30/2024	8
Rosado, Jeannette	Curso: Lidiando con desastres naturales. Ofrecido por Prof. Sally González Y Prof. Gloriselle Negrón	10/16/2024	8
Rosado, Jeannette	Capacitación: Manejo de calendario Outlook. Ofrecido por CTI, SEA	10/21/2024	2
Rosado, Jeannette	Capacitación: PEARS.	11/21/2024	4
Rosado, Jeannette	Ética para Agrónomos 2025. Ofrecido por Agro. Javier Lugo Rullán	02/07/2025	5
Rosado, Jeannette	Capacitación: Uso correcto de extintores.	03/04/2025	4
Rosado, Jeannette	Foro: Manejo Integrado de plagas en hortalizas y granos.	27/03/2025	4
Rosario, Grecia	Reunión Local Working Group Distrito Conservación Este	02/21/2025	2
Rosario, Grecia	"Construcción de cercas para animales de finca"	02/12/2025	2
Rosario, Grecia	Curso Básico Lenguaje de Señas	Varias fechas	36
Rosario, Grecia	Charla educativa Influenza Aviar	01/15/2025	4
Rosario, Grecia	Webinar Raising your dairy best heifer	08/05/2024	1
Rosario, Grecia	Webinar Raising your dairy best heifer	08/12/2024	1
Rosario, Grecia	Beneficios de prácticas silvopastoriles en sistemas tropicales	11/11/2024	4
Rosario, Grecia	Capacitación abeja mielífera	11/01/2024	5
Rosario, Grecia	Curso: Huerto Casero	2024	8
Rosario, Grecia	Taller en Excel para la redacción de presupuestos de propuestas federales	09/17/2024	6

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Rosario, Grecia	Día de Campo: Asociación Agentes Agrícolas	08/02/2024	7
Rosario, Grecia	Bases para construir una asociación de ganado criollo	07/07/2024	2
Rosario, Grecia	Día de Campo: Semilla Batata	07/03/2024	6
Rosario, Grecia	Día de Campo SOPCA	06/28/2024	5
Rosario, Grecia	Salvando Ganado Criollo	06/07/2024	4
Rosario, Grecia	Curso SARE Taller: Perspectiva de Agricultura Sostenible en Programas del SEA	06/05/2024	5
Rosario, Grecia	Taller: Zoocria de Mariposas y Creación de	06/01/2024	3
Rosario, Grecia	Mariposarios	06/01/2024	3
Rosario, Grecia	Acción Contra Mosquitos	05/21/2024	3.5
Rosario, Grecia	Talleres: Cumbre Agrícola	05/17/2024	6
Rosario, Grecia	Ventana DRC	05/13/2024	4
Rosario, Grecia	Reunión Empresa Hortalizas	05/16/2024	4
Rosario, Grecia	Curso SARE: Taller: Manejo Integrado de Plagas	05/15/2024	5
Rosario, Grecia	Investigación sobre muestras de suelos y	05/06/2024	4
Rosario, Grecia	Valor Nutricional de las Frutas	05/05/2024	2
Rosario, Grecia	Abonos verdes para el Huerto Casero	05/05/2024	2
Rosario, Grecia	Adiestramiento PEARS	04/30/2024	5
Rosario, Grecia	Taller: Día del Árbol	04/29/2024	3
Rosario, Grecia	Asamblea Personal Docente Taller: Risoterapia	04/19/2024	2
Rosario, Grecia	Curso SARE: Taller: Producción de Semilla	04/09/2024	5
Rosario, Grecia	Ventana DRC	04/08/2024	2
Rosario, Grecia	Curso: Protección Polinizadores	04/2,9,16/2024	8
Rosario, Grecia	Ventana AMRN	04/01/2024	4
Rosario, Grecia	Propuestas Federales	Marzo- abril 2024	12
Rosario, Grecia	Capacitación: Conocer las técnicas de la educación no formal e investigación cualitativa	Marzo- abril 2024	12
Rosario, Grecia	Curso SARE: Taller: Fertilidad de Suelos	03/13/2024	5
Rosario, Grecia	Ventana DRC	03/11/2024	3
Rosario, Grecia	Día Mujer Agrónomo: Historia de las mujeres en PR	03/08/2024	2
Rosario, Grecia	Adiestramiento Cultivo Hidropónico	03/06/2024	3

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Rosario, Grecia	Adiestramiento para licencia de uso y manejo de plaguicidas	03/20/2024	3
Rosario, Grecia	Reunión Local Working Group Distrito	03/07/2024	3
Rosario, Grecia	Conservación ESTE	03/07/2024	3
Rosario, Grecia	Ventana AMRN: Ganadería sostenible y silvopasturas	03/04/2024	4
Saavedra, Joaquín	Audio lectura: La calidad ante el caos - virtual	03/20/20205	2
Saavedra, Joaquín	Capacitación bioseguridad en las fincas – Gripe aviar	01/21/2025	3
Saavedra, Joaquín	Capacitación Estudio de viabilidad para Empresas Agrícolas	04/05/2025	4
Saavedra, Joaquín	Capacitación Licencia GMRS	10/28/2024	4
Saavedra, Joaquín	Capacitación Manejo integrado de enfermedades en Yautía	04/07/2025	5
Saavedra, Joaquín	Capacitación PEARS	09/10/2024	7.5
Saavedra, Joaquín	Capacitación PEARS	11/21/2024	7.5
Saavedra, Joaquín	Capacitación PEARS	10/15/2024	3
Saavedra, Joaquín	Capacitación Uso de extintores contra incendios	03/25/2025	4
Saavedra, Joaquín	Capacitación UKG	02/05/2025	2
Saavedra, Joaquín	Capacitación Ventana PEARS	03/17/2025	3
Saavedra, Joaquín	Construcción de cercas para manejo de animales en finca	02/12/2025	2
Saavedra, Joaquín	Introducción a la Ética de la salud pública parte III	03/19/2025	4.5
Saavedra, Joaquín	Curso Tecnología: Aliada en la lucha contra la corrupción	03/19/2025	3
Saavedra, Joaquín	Diálogo Ético: Prevención	03/20/2025	3
Saavedra, Joaquín	Lectura: Protocolo para la Investigación de muertes violentas de mujeres y Personas Trans, por razones de género	02/25/2025	5
Saavedra, Joaquín	Reimaginando la educación para construir la Paz	01/24/2025	3
Sánchez, Armando	Día de Campo: Manejo y procesamiento de ganado y carne de res en PR	08/02/2024	7
Sánchez, Armando	Taller uso de Radio GMRS	28/10/24	5
Sánchez, Armando	Capacitación sobre la Abeja Merifela Tropical de PR.	11/ 01/24	4
Sánchez, Armando	Conferencia: La inteligencia artificial y su implementación en la docencia del extensionista.	12/06/2024	2
Sánchez, Armando	Taller Uso de Extintores	18/03/2025	4
Sánchez, Armando	El Cultivo de La Pana	21/03/2025	4

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Sánchez, Armando	MIP en Hortalizas	27/03/2025	4
Sánchez, Armando	MIP en Yautías	7/04/2025	4
Sanchez, Armando	CAPACITACION PEARS C-9	11/08/2024	5
Santa, Wandalis	Capacitación plataforma PEARS	09/11/2024	7.5
Santa, Wandalis	Trastornos neurocognitivos y depresión en el adulto mayor: características y trato adecuado	09/27/2024	2
Santa, Wandalis	Capacitación Manejo de alimentos en festividades	10/18/2024	3
Santa, Wandalis	Capacitación en Propuesta de labor educativa para el desarrollo del plan de trabajo	10/31/2024	7.5
Santa, Wandalis	Capacitación Plataforma PEARS CE-9	11/07/2024	7.5
Santa, Wandalis	ELEVA las Ciencias de la Familia y del	12/03/2024	7.5
Santa, Wandalis	Consumidor. Capacitando a individuos, familias	12/03/2024	7.5
Santa, Wandalis	y comunidades para el bienestar de todos.	12/03/2024	7.5
Santa, Wandalis	Capacitación virtual sobre la gripe (influenza) aviar	01/21/2025	3
Santa, Wandalis	Capacitación Deshidratación	01/24/2025	7.5
Santa, Wandalis	Carta de Derechos y Responsabilidades del Paciente	02/28/2025	3
Santa, Wandalis	Reunión programática Educadoras	03/07/2025	7.5
Santa, Wandalis	Capacitación Actualización Guía Educativa "El camino hacia la buena salud	03/21/2025	7.5
Santa, Wandalis	Redacción estratégica para la comunicación interna y externa	10/28/2024	1
Santa, Wandalis	Procedimientos de custodia y visitas de hijxs cuando se identifican factores de riesgo de violencia doméstica y abuso infantil.	08/08/2024	2
Santa, Wandalis	Prevención de suicidio en niños/as y jóvenes	01/31/2025	2
Santa, Wandalis	Entre Familia Workshop Series - Financial Management for Nonprofit Program Staff	02/04/2025	3
Santana, Gloria	Aspectos Administrativos de la Plataforma PEARS	03/26/2025	7.5
Santana, Gloria	Beneficios del Fideicomiso del Sistema de Retiro	03/13/2025	2
Santana, Gloria	Conocer las técnicas de la educación no formal e investigación cualitativa	03/20/2025	7.5
Santana, Gloria	CE-9 y Planes de acción	11/21/2024	7.5
Santana, Gloria	De la compra a la mesa: Inocuidad en cada paso	04/05/2025	7.5
Santana, Gloria	El camino hacia la buena salud	03/27/2025	7.5

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Santana, Gloria	Gripe Aviar-Virtual	01/21/2025	4
Santana, Gloria	Gasificación de Biomasa: Alternativas para producir energía eléctrica después de una emergencia	06/18/2024	7.5
Santana, Gloria	Induction Training	04/29-31/2024	21.9
Santana, Gloria	Introducción al Nuevo Sistema de asistencia (KRONOS)	01/28/2025	2
Santana, Gloria	Medidas y Procesos Disciplinarios en la UPR	04/17/2024	7.5
Santana, Gloria	Manejo del Calendario Outlook	10/21/2024	3
Santana, Gloria	Manejo de Alimentos en Festividades	10/18/2024	4
Santana, Gloria	Manejo y uso de extintores de fuego	10/24/2024	5
Santana, Gloria	PEARS	04/04/2024	7.5
Santana, Gloria	Plataforma PEARS-Nueva	09/10/2024	7.5
Santana, Gloria	Propuesta de labor educativa para el desarrollo del Plan de Trabajo	10/23/2024	7.5
Santana, Gloria	Proyecto de Edadismo	12/12/2024	7.5
Santana, Gloria	Preparándote para la jubilación	02/19/2025	2
Santana, Gloria	¿Qué es el consentimiento y cómo influye en nuestras relaciones laborales?	05/09/2024	3
Santana, Gloria	Redacción estratégica para la comunicación interna y externa	10/25/2024	3
Santana, Gloria	Técnica de grupo nominal	01/22/2025	7.5
Santana, Gloria	Ventana de apoyo-PEARS	10/15/2024	4
Santana, Gloria	Ventana de apoyo-MEI	10/23/2024	3
Santana, Gloria SEA	Ventana de apoyo-PEARS	03/17/2025	4
Santiago, Veronica	Deshidratación	01/31/2025	6
Santiago, Veronica	El camino hacia la buena salud	03/27/2025	6
Santiago, Veronica	Iniciativas Ciencias de la Familia y del Consumidor	10/23/2024	6
Santiago, Veronica	Inocuidad de Alimentos	04/05/2025	6
Santiago, Veronica	Gripe Aviar	01/21/2025	3
Santiago, Veronica	PEARS	11/21/2024	6
Santos, Alba	Manejo de Alimentos en Festividades	10/18/2024	3
Santos, Alba	Taller de Cartera Knot / Ashley Ann Program (Programa Educativo de Costura, Patronaje y Diseño de Moda)	10/26/2024	7.5
Santos, Alba	Propuesta de labor educativa para el desarrollo del plan de trabajo	11/18/2024	7.5
Santos, Alba	Día CFC	12/02/2024	7.5

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Santos, Alba	Papel que Florece: Creación Artesanal de Propagación con Semillas Ornamentales	02/28/2025	3
Santos, Alba	Uso de extintores	03/11/2025	2
Santos, Alba	Tema: Empodérate de CFC / Ciberseguridad / Flores comestibles	03/13/2025	7.5
Santos, Alba	Camino a la buena salud	03/21/2025	7.5
Serrano, Neishaly	Estrategias y actividades educativas Agricultura Mercadeo y Recursos Naturales	10/07/2024	2
Serrano, Neishaly	Capacitación PEARS CE-9 Región Norte Central	11/07/2024	5
Serrano, Neishaly	Situación y Perspectiva de la producción y mercadeo de la China Dulce	12/10/2024	0.20
Serrano, Neishaly	Variedades de Cítricas con Potencial de Producción Comercial	12/10/2024	0.20
Serrano, Neishaly	Factores que afectan la producción y calidad de china dulce	12/10/2024	0.20
Serrano, Neishaly	Sistema de Riego en Cítricas	12/10/2024	0.20
Serrano, Neishaly	Prácticas de conservación de suelos en el cultivo de cítricas	12/10/2024	0.20
Serrano, Neishaly	Diaphornia citri y Toxoptera citricida: Principales Vectores en Transmisión Enfermedades Cítricos	12/10/2024	0.20
Serrano, Neishaly	Enfermedades en la producción de chinas	12/10/2024	0.20
Serrano, Neishaly	Manejo Integrado de Citrus Greening	12/10/2024	0.20
Serrano, Neishaly	47 Reunión Científica y Asamblea Anual SOPCA 2024	12/13/2024	5
Serrano, Neishaly	Bioseguridad en la finca	01/21/2025	0.50
Serrano, Neishaly	Aspectos de la gripe aviar	01/21/2025	0.40
Serrano, Neishaly	Aspectos de la gripe aviar en humanos y alimentos	01/21/2025	0.30
Serrano, Neishaly	Curso: Crianza y Manejo de Aves de Corral 1	03/09/2025	5
Serrano, Neishaly	Curso: Crianza y Manejo de Aves de Corral 2	03/16/2025	5
Serrano, Neishaly	Curso: Crianza y Manejo de Aves de Corral 3	03/23/2025	5
Serrano, Neishaly	Uso y manejo de Extintores	03/24/2025	1.5
Serrano, Neishaly	Capacitación Estrategias reproductivas y nutricionales para los ganaderos en Puerto Rico	04/04/2025	7
Serrano, Neishaly	Ventana de apoyo PEARS	04/21/2025	2
Serrano, Neishaly	¿Por qué es importante aprender acerca de las aves, observarlas y conservarlas en tu región?	12/05/2024	4
Serrano, Neishaly	Las aves y el hábitat compartido	12/05/2024	4

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Soriano, Gabriela	Estrategias reproductivas y nutricionales para enfrentar los desafíos actuales de los ganaderos en Puerto Rico	04/04/2025	7.5
Soriano, Gabriela	Economía de la Producción	08/20/2024	4.5
Soriano, Gabriela	Cuidado y Manejo de Becerras	08/24/2024	3.5
Soriano, Gabriela	Curso Apicultura	08/30/2024	15
Soriano, Gabriela	Curso de Producción de Ñame	10/23/2024	6
Soriano, Gabriela	Manejo Integrado de la Roya de Ñame en Puerto Rico	10/30/2024	3.5
Soriano, Gabriela	Mejorando la fertilidad del ganado lechero bajo estrés por calor extremo	10/31/2024	4
Soriano, Gabriela	Foro Educativo: Presente y Futuro de la Producción y Mercadeo de la China Dulce	12/10/2024	6
Soriano, Gabriela	Estrategias para la producción de árboles de calidad	01/30/2025	8.5
Soriano, Gabriela	Workshop: Strategies for the Prevention of Pathogens-Antibiotic Resistance in Dairy Cattle	02/21/2025	7.5
Soriano, Gabriela	Taller: Uso de Extintores de Fuego	03/04/2025	3
Soriano, Gabriela	Crianza de Gallinas Ponedoras	03/23/2025	1
Soriano, Gabriela	Día de Campo: Salvando las cítricas un paso a la vez	04/03/2025	7.5
Soto Vélez, Mirelis	Día de Campo: "Manejo Integrado de Plagas y Uso de Microscopio	08/09/2024	7.5
Soto Vélez, Mirelis	Adiestramiento: Terremoto "Prepárate con tiempo", no esperes que sea tarde"	09/09/2024	3
Soto Vélez, Mirelis	Adiestramiento: El Modelo Lógico y plataforma PEARS - Dr. Aníbal II Ruiz	09/11/2024	7.5
Soto Vélez, Mirelis	Día de Campo: Demostración del manejo agronómico de cobertoras y su impacto en la salud	09/18/2024	7.5
Soto Vélez, Mirelis	Estrategias y Actividades Educativas AMRN	10/07/2024	2.5
Soto Vélez, Mirelis	Registro de Asistencia – Prof. Enrique Martínez	10/07/2024	2.5
Soto Vélez, Mirelis	Ventana de apoyo PEARS - Dr. Aníbal II Ruiz	10/15/2024	2
Soto Vélez, Mirelis	Mercadeo Agrícola - Dra. Alexandra Gregory	10/16/2024	3
Soto Vélez, Mirelis	Distribution and IPM of Thrips parvispinus new invasive Pest in Puerto Rico	10/18/2024	7.5
Soto Vélez, Mirelis	Manejo del Calendario Outlook – Personal del Centro de Tecnología e Información	10/21/2024	1.5
Soto Vélez, Mirelis	Descubre Tu manantial "Encontrémonos para seguir Descubriendo nuestro manantial"	10/27/2024	3
Soto Vélez, Mirelis	Capacitación CE-9 Región Norte Central – Dr. Aníbal II Ruiz	11/07/2024	7.5

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Soto Vélez, Mirelis	La inteligencia artificial y su implementación en la docencia del extensionista - Dr. José R. Ferrer López	12/06/2024	2
Soto Vélez, Mirelis	SOPCA: Aplicación de modelos de simulación en las ciencias agrícolas; From the classroom to the farm: a lesson plan that promotes smallholder farmers education; Practicas de conservación y sistemas silvopastoriles en fincas; Caracterización de la dinámica de ordeño en hatos lecheros; Profile of mastitis-causing pathogens in bulk tank milk; Efectos de abonos verdes en suelo de la serie Coto; Agronomic performance of pigeonpea hybrids; Caracterización fisicoquímica de cinco variedades de pitahayas; Rendimiento en campo de semillas de ñame proveniente de cultivo de tejido; El uso de soluciones antimicrobianas naturales como agentes contra microorganismos patógenos.	12/13/2024	7.5
Soto Vélez, Mirelis	Técnica Scamper y Desarrollo de Producto Nuevo - Dr. Javier Pérez Lafont	02/01/2025	3
Soto Vélez, Mirelis	Adiestramiento Registro de Asistencia KRONOS SEA – Personal de Recursos Humanos	02/05/2025	2
Soto Vélez, Mirelis	Investigación de Mercado, Plan estratégico y mezcla de mercadeo - Dr. Javier Pérez Lafont	02/08/2025	3
Soto Vélez, Mirelis	Perspectiva del Emprendimiento Agrícola - Dr. Javier Pérez Lafont	02/15/2025	3
Soto Vélez, Mirelis	Prácticas agrícolas y ganaderas climáticamente inteligentes	02/19/2025	1.5
Soto Vélez, Mirelis	Plan de Negocio Agrícola - Dr. Javier Pérez Lafont	02/22/2025	3
Soto Vélez, Mirelis	Cambio Climático - Dr. Andre Sanfiorenzo	03/01/2025	3
Soto Vélez, Mirelis	Día de Campo y Conferencias por el día de la mujer Agrónoma - Colegio de Agrónomos de Puerto Rico	03/07/2025	7.5
Soto Vélez, Mirelis	Practicas Responsables para una agricultura sin emisiones de gases de efecto - Dr. Andre Sanfiorenzo invernadero: Cambio Climático Mitigación y adaptación en el Manejo del Suelo y Proyecciones de Cambio Climático para Puerto Rico	03/08/2025	3
Soto Vélez, Mirelis	Capacitación y repaso para obtener la licencia de Technician de la FCC – Ernesto Enrique Vélez	03/10/2025	2
Soto Vélez, Mirelis	Fertilidad de Suelos – Dr. Andre Sanfiorenzo	03/15/2025	3

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Soto Vélez, Mirelis	Introducción a Sistemas Agroforestales (SAF) y Prácticas de Conservación en Sistemas Silvopastoriles – Dr. Andre Sanfiorenzo, Agro. Francisco Rivera de FPAC-NRCS	03/22/2025	3
Soto Vélez, Mirelis	Capacitación y repaso para obtener la licencia de Technician de la FCC – Ernesto Enrique Vélez	03/24/2025	2
Soto Vélez, Mirelis	Capacitación y repaso para obtener la licencia de Technician de la FCC – Ernesto Enrique Vélez	04/07/2025	2
Soto, Giovannie	Día de campo: Salvando nuestras cítricas un paso a la vez.	04/03/2024	4.0
Soto, Giovannie	Pesticide Application Field Training for Root and Tuber Crops	04/08/2024	6.0
Soto, Giovannie	Hacia una nueva agenda de investigación y educación en agricultura sostenible, agroecológica y orgánica para el Colegio de Ciencias Agrícolas.	08/21/2024	5.0
Soto, Giovannie	Demostración del manejo agronómico de cobertoras y su impacto en la salud del suelo en sistemas de producción de hortalizas	09/18/2024	3.0
Soto, Giovannie	Ejercita tu mente, consejos para prevenir el Alzheimer.	09/19/2024	1.0
Soto, Giovannie	Food From Somewhere: Building Food Security and Resilience Through Territorial Markets.	09/19/2024	1.5
Soto, Giovannie	Producción de Bioinsumos para el Manejo de Suelos y Plagas en la Agricultura.	09/27/2024	6.0
Soto, Giovannie	Curso corto de ñame	10/23/2024	4.0
Soto, Giovannie	Manejo integrado de la roya del ñame	10/30/2024	3.0
Torres, Yahaira	Día de Campo: Manejo y procesamiento de ganado y carne de res en Puerto Rico.	08/02/2024	7
Torres, Yahaira	Capacitación nueva plataforma PEARS.	08/27/2024	2
Torres, Yahaira	Senepol Cattle Breeders Association 2024 Convention.	09/29-31/2024	12
Torres, Yahaira	Webinar: Cosecha y almacenamiento de habichuelas.	10/03/2024	3
Torres, Yahaira	Taller: Uso de radio GMRS en caso de emergencias.	10/28/2024	5
Torres, Yahaira	Capacitación sobre la Abeja Melífera Tropical de Puerto Rico.	11/01/2024	7
Torres, Yahaira	Capacitación plataforma PEARS y planes de trabajo.	11/08/2024	7
Torres, Yahaira	La inteligencia artificial y su implementación en la docencia del extensionista.	12/06/2024	2
Torres, Yahaira	Foro: Gripe aviar	01/15/2025	4

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Torres, Yahaira	Capacitación virtual: Gripe aviar	01/21/2025	4
Torres, Yahaira	Curso: Manejo integrado de plagas en hortalizas	01/28/2025	4
Torres, Yahaira	Curso: Manejo integrado de plagas en hortalizas	02/18/2025	4
Torres, Yahaira	Día de la Mujer Agrónoma	03/07/2025	6
Torres, Yahaira	Foro y día de campo: Manejo integrado de plagas en hortalizas	03/27/2025	4
Torres, Yahaira	Día de campo: Salvando nuestras cítricas: Un paso a la vez	04/03/2025	6
Torres, Yahaira	Estrategias reproductivas y nutricionales para enfrentar desafíos actuales de los ganaderos PR	04/03/2025	7
Torres, Rosa	Hábitos para la salud financiera	3/31/2024	3
Torres, Rosa	Taller etiqueta nutricional: Conoces lo que comes	4/23/2024	1
Torres, Rosa	Redacción de Historias de éxito	5/6/2024	3
Torres, Rosa	Capacitación manejo de alimentos en festividades	10/18/2024	3
Torres, Rosa	Capacitación plataforma informes PEARS	8/27/2024	3
Torres, Rosa	Capacitación propuesta labor educativa para el desarrollo de plan de trabajo	8/27/2024	3
Torres, Rosa	Taller: Uso de extintores	3/18/2025	3
Torres, Rosa	Capacitación virtual sobre la gripe (influenza aviar)	3/18/2025	3
Torres, Rosa	Conversatorio Re imaginando la educación para construir la paz (teams)	1/21/2025	3
Torres, Rosa	Charla nutrición y emociones	2/4/2025	2
Torres, Rosa	Navegando Las emociones	2/13/2025	3
Torres, Rosa	Taller: Desafíos de liderazgo	2/18/2025	1.5
Torres, Rosa	Conversatorio cuando la mujer habla: Derecho, equidad y empoderamiento.	2/18/2025	1.5
Torres, Rosa	Inteligencia emocional para un entorno laboral competitivo y armonioso	3/7/2025	2
Torres, Rosa	Charla: Integración del autocuidado en el contexto laboral	3/21/2025	0.5
Torres, Rosa	Taller: Procesos legislativos a participación ciudadana	10/23/2024	1.5
Torres, Rosa	El duelo: Guía y orientación practica	12/16/2024	3
Torres, Rosa	Taller virtual: Platos Navideños, aprende a equilibrar tu alimentación en Navidad	12/16/2024	3
Torres, Rosa	Las estrategias bigeneracionales en PR	12/17/2024	1

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Torres, Rosa	Mirada holística para la movilidad económica de las familias	12/17/2024	1
Vázquez, Maira	Capacitación El Camino hacia la Buena Salud	3/27/2025	7.5
Vázquez, Maira	Capacitación ELEVA	3/27/2024	7
Vázquez, Maira	Capacitación Uso y Manejo de Extintores	3/25/2024	3
Vázquez, Maira	Capacitación Propuesta de Labor Educativa para el Desarrollo del Plan de Trabajo	11/22/2024	7.5
Vázquez, Maira	Capacitación PEARS	11/8/2024	7.5
Vázquez, Maira	Capacitación Manejo de Alimentos en Festividades	10/18/2024	4
Vázquez, Maira	Capacitación Generación de Energía Sostenible y Resiliente	6/4/2024	7
Vázquez, Maira	Obra: El Bacalao Rebelde	5/17/2024	
Vázquez, Maira	Capacitación Familias Preparando Alimentos Seguros	4/5/2024	7.5
Vázquez, Maira	Capacitación Inocuidad de Alimentos	2/9/2024	7.5
Velázquez, Jamie	Capacitación: PEARS	09/10/2024	7.5
Velázquez, Jamie	Capacitación: PEARS	10/15/2024	3
Velázquez, Jamie	Manejo Seguro de Alimentos: Fiestas	10/18/2024	3
Velázquez, Jamie	Propuesta de Labor Educativa ppara el Desarrollo del Plan de Trabajo CFC	10/31/2024	7.5
Velázquez, Jamie	Plan de Trabajo y Planes de Acción CE-9	11/21/2024	7.5
Velázquez, Jamie	Día Internacional CFC	12/03/2024	7.5
Velázquez, Jamie	Desafiando el Edadismo hacia los adultos mayores	12/03/2024	7.5
Velázquez, Jamie	Juegos Competitivos y Cooperativos Mediante las Bellas Artes	12/03/2024	7.5
Velázquez, Jamie	Estrategias para la Prevención y el Contrl del Dengue	12/03/2024	7.5
Velázquez, Jamie	Ética: Radiografía de la Corrupción y sus Postulados	12/03/2024	7.5
Velázquez, Jamie	Gripe Aviar	01/21/2025	2
Velázquez, Jamie	CASEA	01/27/2025	2
Velázquez, Jamie	Desafíos de Liderazgo	02/18/2025	2
Velázquez, Jamie	Charla sobre Violencia Doméstica	03/13/2025	2
Velázquez, Jamie	Ventana Apoyo PEARS	03/17/2025	3
Velázquez, Jamie	Uso del Extintor	03/25/2025	4
Velázquez, Jamie	El camino hacia la buena salud	03/27/2025	7.5
Velázquez, Jamie	Taller: Bienestar Emocional	03/06/2025	3

Professional Development at the Center for Professional Enrichment (CEP) and others			
Academic Year 2024-2025			
Professor's Name	Course Title	Date	Contact hours
Vélez, Yomar	Día de campo: Manejo y Procesamiento de Ganado y Carne de Res en Puerto Rico	08/02/2024	6.5
Vélez, Yomar	Estrategias para la implementación de programas PEAGLE en la plataforma PEARS	09/27/2024	7.5
Vélez, Yomar	Uso de extintores de fuego: Basado en Estándar NFPA 10	10/24/2024	5
Vélez, Yomar	La inteligencia artificial y su implementación en la docencia del extensionista	12/06/2024	1
Vélez, Yomar	Capacitación virtual sobre la gripe aviar	01/21/2025	3
Vélez, Yomar	Estrategias reproductivas y nutricionales para enfrentar los desafíos actuales de los ganaderos en Puerto Rico	04/04/2025	7.5
Viera, Luis	Uso de extintores contra incendios	03/18/2025	3
Viera, Luis	Día de Campo: Automatización de Prácticas Agrícolas en Hatos Lecheros	03/18/2025	3
Viera, Luis	Estrategias para la prevención de patógenos y resistencia a antibióticos en ganado lechero.	02/27/2025	5
Viera, Luis	Inteligencia Artificial	12/06/2024	3
Viera, Luis	Abeja melífera de Puerto Rico	11/01/2024	4
Viera, Luis	Radios GMRS	10/28/2024	4
Viera, Luis	Mejorando la fertilidad del ganado lechero bajo estrés por calor.	10/23/2024	5
Viera, Luis	Programa ganado lechero	09/27/2024	6
Viera, Luis	Uso de microscopio digital	07/31/2024	6
Viera, Luis	Curso de Agricultura convencional en transición a agricultura sostenible.	Varias 03/ al 06/05/2025	30
Viera, Luis	Capacitación PEARS C-9	11/08/2024	5
Viera, Luis	Potenciar la Innovación en la gestión publica	03/04/2025	4
Viera, Luis	El Discurso del Odio en la Redes Sociales	02/11/2025	4
Viera, Luis	Gripe Aviar	01/21/2025	4
Viera, Luis	Prohibiciones a Servidores Públicos de la Rama Ejecutiva	06/13/2025	4

Attachment III – Publications

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Department of Agroenviromental Sciences				
Hadechiny X., Pérez F., Plaza M., and Hernández E. 2024. Post-Harvest Practices of Specialty and Asian Vegetables Grown in Puerto Rico. [Unpublished master thesis]. University of Puerto Rico. (Project H-492)		Thesis Dissertation		Under review
Feliciano-Rivera, M. 2024. Detecting Threats to Better Protect Crops in Puerto Rico. In Press, DOI: https://doi.org/10.33548/SCIENTIA997 . (The DOI is not live yet but is the one assigned to the article). (Project H-486)		X		Accepted for publication
Viteri, D. M., Linares, A. M., and Vázquez, R. (2024). Release of UPR-Mp-37 and UPR-Mp-48 common bean germplasm with improved resistance to ashy stem blight. Journal of Plant Registrations 18: 142-148. https://doi.org/10.1002/plr2.20330 (Project H-094)	X			X
Viteri, D. 2024. Establishment of pollen/seed preservation facilities for important crops in Puerto Rico. NIFA ANNH and Insular Areas Programs Project Directors Meeting. Kansas City, Missouri, May 29-31, 2024 (Project Z-376)		Conference Papers and Presentation		X
Ortiz-Román, Melissa I., Ileska M. Casiano-Muñiz, and Félix R. Román-Velázquez. Ecotoxicological Effects of TiO ₂ P25 Nanoparticles Aqueous Suspensions on Zebrafish (Danio rerio) Eleutheroembryos. Nanomaterials 14.4 (2024): 373 ; doi.org/10.3390/nano14040373, Roman ORCID 0000-0003-1149-3384 (Projects Z-359/Z-360)	X			X
Casiano-Muñiz IM, Ortiz-Román MI, Lorenzana-Vázquez G, Román-Velázquez FR. Synthesis, Characterization, and Ecotoxicology Assessment of Zinc Oxide Nanoparticles by In Vivo Models. Nanomaterials. 2024 Jan 24;14(3):255. doi.org/10.3390/nano14030255; Roman ORCID 0000-0003-1149-3384 (Projects Z-359/Z-360)	X			X
Ortiz-Román, Melissa I., Ileska M. Casiano-Muñiz, and Felix R. Román-Velázquez. Toxicity of UV Filter Benzophenone-3 in Brine Shrimp Nauplii (Artemia salina) and Zebrafish (Danio rerio) Embryos. Journal of Xenobiotics	X			X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
14.2 (2024): 537-553; doi.org/10.3390/jox14020032; Roman ORCID 0000-0003-1149-3384 (Projects Z-359/Z-360)				
Casiano-Muñiz IM, Ortiz-Román MI, Carmona-Negrón JA, Román-Velázquez FR. UV filter Benzophenone-2: Effects on Zebrafish (Danio rerio) cytochrome P450. Aquatic Toxicology. 2024 May 27:106973. doi.org/10.1016/j.aquatox.2024.106973; Roman ORCID 0000-0003-1149-3384 (Projects Z-359/Z-360)	X			X
Forero-Montaña, J., A. Rúa, L.E. Santiago, S. Ward, H. Marcano-Vega, J.K. Zimmerman, W.A. Gould, O.J. Abelleira-Martínez, J. Rosario, and E.J. Meléndez-Ackerman. Strategic Guidelines for the Sustainable Management of Forest Resources in Puerto Rico: Opportunities, Challenges and Stakeholders in the Production Chain of the Forestry Sector. USDA Forest Service General Technical Report. (Project Z-358)		Annual Report		Under Review
Abelleira Martínez, O.J. 2024. Management of Puerto Rican Novel Forests for Biodiversity Conservation and Agroforestry Production. Oral presentation in the Seminar of the Student Association of Natural Resources (ARENA) held on April 9, 2024, in the P-213 Amphitheater of the Jesús T. Piñero Building, UPRM. (Project Z-358)		Conference Papers and Presentation		X
Abelleira Martínez, O.J., and A. Pérez Méndez. 2024. A wood products laboratory and outreach facility to support sustainable community forestry in Puerto Rico. Oral presentation in the USDA-NIFA RIIA-AGFEI Program Directors Meeting held on May 29, 2024, in room 333 of the USDA-NIFA Headquarters Building, Kansas City, Missouri. (Project Z-358)		Conference Papers and Presentation		X
Abelleira Martínez, O.J., J. Rivera, G. Túa, R. Cruz, G. Báez, A. Marengo, A. Rodríguez, M.d.R. Suárez, and A. Pérez Méndez. 2024. A Conversation About Best Management Practices for Forests in US Virgin Islands and Puerto Rico: Silviculture in Secondary Forests. Oral presentation in the workshop A Conversation about Best Management Practices with Dr. Oscar Abelleira organized by the Virgin Islands Department of Agriculture and the US Forest Service and held on July		Conference Papers and Presentation		X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
18, 2024, in the Cooperative Extension Services Building, University of the Virgin Islands, St. Thomas, US Virgin Islands. (Project Z-358)				
Abelleira Martínez, O.J., J. Rivera, G. Túa, R. Cruz, G. Báez, A. Marengo, A. Rodríguez, M.d.R. Suárez, and A. Pérez Méndez. 2024. A Conversation About Best Management Practices for Forests in US Virgin Islands and Puerto Rico: Silviculture in Secondary Forests. Oral presentation in the workshop A Conversation about Best Management Practices with Dr. Oscar Abelleira organized by the Virgin Islands Department of Agriculture and the US Forest Service and held on July 16, 2024, in the Little Theater Room 401, University of the Virgin Islands, St. Croix, US Virgin Islands. (Project Z-358)		Conference Papers and Presentation		X
Pérez Méndez, A., and O.J. Abelleira Martínez. 2024. Where Wood Comes From: Planning and Best Practices for Harvesting and Using the Wood Resource. Oral presentation administered to participants of the Student Agricultural Fair (Agroplug) held on April 12, 2024, in fairgrounds of University of Puerto Rico, Mayagüez. (Project Z-358)		Conference Papers and Presentation		X
Pérez Méndez, A., and O.J. Abelleira Martínez. 2024. High stakeholder participation in our workshops illustrates the growing interest in wood products research and education. Poster presented in the International Mass Timber Conference held on March 26 to 28, 2024, in the Portland Convention Center, Portland, Oregon. (Project Z-358)		Conference Papers and Presentation		X
Pérez Méndez, A.P., and O.J. Abelleira Martínez. 2024. Best Practices for Wood Drying: Construction and Operation of a Solar Kiln. Oral presentation in the third workshop on "Sustainable Use of Wood in Puerto Rico" sponsored by this project and held on June 24, 2024, in the Amphitheater of the College of Agricultural Sciences, University of Puerto Rico, Mayagüez. (Project Z-358)		Conference Papers and Presentation		X
Felix Echevarria, D. & J. P. Morales-Payan. 2024. Effects of an extract of the marine alga Ecklonia maxima on 'MD2' pineapple in Isabela, Puerto Rico. Abstracts of the 42nd meeting of the Puerto Rico Interdisciplinary		Conference Papers and Presentation		X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Meeting (PRISM), 42:63. (University of Puerto Rico Aguadilla Campus. April 20, 2024). (Project Z-361)				
Gonzalez Flores, J. & J. P. Morales-Payan. 2024. Effects of different rates of an amino acid formulation on 'MD2' pineapple leaf chlorophyll. Abstracts of the 42nd meeting of the Puerto Rico Interdisciplinary Meeting (PRISM), 42:65. (University of Puerto Rico Aguadilla Campus. April 20, 2024). (Project Z-361)		Conference Papers and Presentation		X
Valladares Garcias, E. & J. P. Morales-Payan. 2024. Comparison of organic, conventional and mixed management programs in breadfruit (<i>Artocarpus altilis</i>) in southwestern Puerto Rico. Abstracts of the 42nd meeting of the Puerto Rico Interdisciplinary Meeting (PRISM), 42:64. (University of Puerto Rico Aguadilla Campus. April 20, 2024). (Project Z-361)		Conference Papers and Presentation		X
Vega-Martinez, A. & J. P. Morales-Payan. 2024. Comparative characterization of avocado accessions at the Agricultural Experiment Station in Lajas, Puerto Rico. Abstracts of the 42nd meeting of the Puerto Rico Interdisciplinary Meeting (PRISM), 42:56. (University of Puerto Rico Aguadilla Campus. April 20, 2024). (Project Z-361)		Conference Papers and Presentation		X
Rosado Rivera, R. & J. P. Morales-Payan. 2024. Residual effects of conventional and organic management programs in avocado in southwestern Puerto Rico. 42nd meeting of the Puerto Rico Interdisciplinary Meeting (PRISM), University of Puerto Rico Aguadilla Campus. April 20, 2024. (Project Z-361)		Conference Papers and Presentation		X
Keyser, T.L., Abelleira Martínez, O.J., Gould, W.A., González, G., Lugo, A.E. Chapter 4: Overview of the forest management related issues and opportunities in the Caribbean. In: Schuler, Thomas; Jain, Theresa; Day, Michelle; Patel-Weynand, Toral., eds. Pages 61-98 In: Active management for resilient and productive forests. USDA Forest Service General Technical Report: U.S. Department of Agriculture, Forest Service, Washington D.C. (Project Z-358)		Annual Report		X
Rosa N. Chávez-Jáuregui, Rogelio Cianchini-Díaz, Génesis Pérez Pérez, Fernando Pérez Muñoz. Yam (<i>Dioscorea rotundata</i>) flour extruded snack. The 22nd IUFoST – World		Conference Papers and Presentation		X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Congress of Food Science and Technology. Rimini, Bologna, Italy on 08 – 12 September 2024. (Project Z-523)				
Rosa N. Chávez-Jáuregui. Situación actual de ñame, yautía y plátano en Puerto Rico: consumo, producción y procesamiento. 1er Simposio sobre Alimentación en América Latina y el Caribe: Soberanía y Sostenibilidad. Campinas, São Paulo, Brasil, 10-12 julio, 2024. (Project Z-523)		Conference Papers and Presentation		X
Beaver, J. S., González, A., Mateo, B., Lutz, G. G., Miranda, A., Rosas, J. C., & Porch, T. G. 2024. Release of multiple virus and bruchid resistant Mesoamerican bean germplasm lines PR1303-129 and PR1743-44. Journal of Plant Registrations, 18, 149–156. (Project H-351)	X			X
Sotomayor-Ramírez, D., K. Araya Guzman, G. Martínez. Validación del análisis de suelo de fósforo como herramienta diagnóstica para la fertilización en hortalizas. Caribbean Food Crops Society (CFCS) 2024. Abstract and Oral presentation at the 57 th CFCS Annual Meeting from 14 to 20 July 2024, Punta Cana, Dominican Republic. . (Project H-517)		Conference Papers and Presentation		X
Sotomayor-Ramírez and G. Martínez. Validación del análisis de suelo de fósforo como herramienta diagnóstica para optimizar la fertilización en hortalizas. 18 December 2024. Horticulture and Basic Grains Commodity Seminar Series. [Empresa de Hortalizas UPRM] Sotomayor, D. (2024, 19 de diciembre). Análisis de suelo de fósforo: Una herramienta diagnóstica para la fertilización en hortalizas [Video]. YouTube. https://youtu.be/_eL6DeeCh1c . (Project H-517)		Electronic Publication		X
Naomi Maldonado P., Cabrera- Asencio I. 2024. Coleópteros barrenadores de madera recolectados en trampas “Cross-Vane” en árboles de Mangifera indica: Nuevos reportes y nueva especie para Puerto Rico. J. gric. Univ. P.R. 108(2):115-157 (2024). . (Project H-520)	X			X
Gallardo, F. Uso de rompevientos en café de altura para disminuir efectos del minador del café, Leucoptera coffeella. Reunión Anual de la Empresa de Café. PROCAFE. 15 de noviembre de 2024. (Project H-540)		Conference Papers and Presentation		X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Gallardo Covas, F. Rompevientos como estrategia de mitigación del cambio climático en la producción de café en Puerto Rico: Impacto en las plagas Hypothenemus hampei y Leucoptera coffeella. Reunión Anual. Sociedad Puertorriqueña de Ciencias Agrícolas. 13 de diciembre de 2024. Aguadilla, Puerto Rico. (Project H-540)		Conference Papers and Presentation		X
Valencia E., and E. Quijia. 2024. Soybeans [Glycine max (L.) Merr.] cultivar and phenological growth stages effects on yield, nutritive value and silage fermentation characteristics. ABST. Caribbean Food Crops Society Meeting. July 2024. (Project H-519)		Synopsis / Abstract		X
Merari Feliciano-Rivera. 2024. Propagating a New Generation of Yam in Puerto Rico. Ebook. https://doi.org/10.33548/SCIENTIA1003 (Project H-522)		Electronic Publication		X
Aponte-Zayas, Alfredo. 2024. "Fertilidad, Rendimiento y Calidad de Forrajes Mejorados en la Zona Húmeda Subtropical de PR". Symposium and forum titled "Hacia una nueva agenda de investigación y educación en agricultura sostenible, agroecológica y orgánica para el Colegio de Ciencias Agrícolas," August 21, Finca La Zafra, Gurabo, Puerto Rico. (Project H-502)		Conference Papers and Presentation		X
Carro-Figueroa, Vivian and Marydoris Quiñones-Cancel. 2024. "Transiciones agroecológicas en Puerto Rico y las fincas orgánicas de la Estación Experimental Agrícola de la UPR". Poster presentation at the 62nd annual meeting of the Caribbean Food Crops Society, July 14-19, Bavaro, Dominican Republic. (Project H-503)		Conference Papers and Presentation		X
Carro-Figueroa, Vivian. 2024. "Transiciones agroecológicas y orgánicas en Puerto Rico y las fincas orgánicas de la Estación Experimental Agrícola". Oral presentation at the symposium and forum titled Hacia una nueva agenda de investigación y educación en agricultura sostenible, agroecológica y orgánica para el Colegio de Ciencias Agrícolas, August 21, Finca La Zafra, Gurabo, Puerto Rico. (Project H-503)		Conference Papers and Presentation		X
Aponte-Zayas, Alfredo. 2024. Evaluación de hortalizas y prácticas de supresión de malezas en sistemas orgánicos y agroecológicos		Conference Papers and Presentation		X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
[Presentación oral]. Meeting of Vegetable and Basic Grain Producers, Estación Experimental Agrícola, Lajas, Puerto Rico. (Project H-503)				
Aponte-Zayas, Alfredo. 2024. Evaluación de hortalizas y prácticas de supresión de malezas en sistemas orgánicos y agroecológicos. Oral presentation at the symposium and forum titled Hacia una nueva agenda de investigación y educación en agricultura sostenible, agroecológica y orgánica para el Colegio de Ciencias Agrícolas, August 21, Finca La Zafra, Gurabo, Puerto Rico. (Project H-503)		Conference Papers and Presentation		X
Aponte-Zayas, Alfredo. 2024. Producción Agroecológica. Presentación Oral, Centro Empresarial para el Desarrollo de la mujer en la Agricultura. septiembre 15 2024 Mayagüez PR. (Project H-503)		Conference Papers and Presentation		X
Valencia, E. and J. Muir. 2024. Potencial productivo de los híbridos (Urochloa) en la cuenca del caribe. ABST. PCCMCA, Costa Rica, June 2024. (Project H-094)		Conference Papers and Presentation		X
Rebecca Tirado Corbalá, Elvin Román Paoli, Alejandro Rodríguez Cintrón y Aranxa Martínez Cortés. 2024. Dinámica de carbono/nitrógeno en diferentes combinaciones de variedades de cítricos creciendo en un Oxisol. 47 Reunión Científica Anual SOPCA, Aguadilla, Puerto Rico. 13 diciembre de 2024. Poster. (Project H-094)		Conference Papers and Presentation		X
Rivera, D.E., and Tirado, R.C. Effect of crop distance in 'Pera' sweet orange grafted in 'HRS 812' Rootstock in Puerto Rico. JAUPR (Submitted to the Journal of Agriculture of the University of Puerto Rico 2024). (Project H-094)		Conference Papers and Presentation		X
Fernández, G., Rivera D.E., Tirado, R.C. and Alvarado, A. Evaluación de Kumquat 'Nagami' (Fortunella margarita) injertado en 'HRS-812' cultivados en tiestos dentro de estructura cerrada. (Submitted to the Journal of Agriculture of the University of Puerto Rico 2024). (Project H-094)	X			Under Review
Tirado, R.C and Roman-Paoli, E. Nutrient, carbon and nitrogen content in old of 'mexican' lime, 'fina' clementine mandarin, and 'campbell' valencia orange on selected rootstocks grown under fertigation practices in an Oxisol in Puerto Rico. (Pending to	X			Under Review

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Horticulturae -HDPI-Open Access 2025). (Project H-094)				
Gregory-Crespo, A., Tirado, R.C., Tavarez, H., Hernández-Correa, J., Rodríguez, A., and Martínez Cortés, A. Factors affecting Kumquat Nagami (<i>Fortunella margarita</i>) consumption in Puerto Rico. (Pending to JAUPR 2025).	X			Under Review
Vázquez, R. I., Linares-Ramírez, A.M., & Viteri, D.M. 2024. Comparison of the agronomic performance between a pigeonpea hybrid and five breeding lines developed through conventional breeding. HortScience 59: 133-1136. https://doi.org/10.21273/HORTSCI17908-24 (Project H-094)	X			X
Viteri, D.M., & Linares-Ramírez, A.M. 2024. Breeding for photoperiod insensitive and indeterminate flowering habit in pigeonpea. HortScience 59: S545. (Project H-094)	X			X
Viteri, D. M., & Linares-Ramírez, A. M. 2024. Registration of indeterminate and photoperiod-insensitive IIPG-7 and IIPG-11 pigeonpea germplasm. Journal of Plant Registrations 18: 426-435. https://doi.org/10.1002/plr2.20375 (Project H-094)	X			X
Viteri, D. M., Linares-Ramírez, A. M., & Shi, A. 2024. Genome wide association study reveals a QTL region for ashy stem blight resistance in PRA154 Andean common bean. Plant Disease 108: 407-415. https://doi.org/10.1094/PDIS-07-23-1275-RE (Project H-094)	X			X
Viteri, D. M., & Miranda, Z. 2024. Response of scarlet runner bean and common bean genotypes to ashy stem blight. Annual Report of the Bean Improvement Cooperative 67: 91-92. (Project H-094)		Annual Report		X
Vázquez, R., Viteri, D. M., & Linares-Ramírez, A. M. 2024. Reaction of Phaseolus spp. genotypes to PRI21 Macrophomina phaseolina isolate inoculated at different plant growth stages. Annual Report of the Bean Improvement Cooperative 67: 89-90. (Project H-094)		Annual Report		X
Vega-Martinez, A. & J. P. Morales-Payan. 2024. Comparative characterization of avocado accessions at the Agricultural Experiment Station in Lajas, Puerto Rico. Abstracts of the 42nd meeting of the Puerto		Synopsis / Abstract		X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Rico Interdisciplinary Meeting (PRISM), 42:56. University of Puerto Rico Aguadilla Campus. April 20, 2024. (Project H-094)				
Venegas Hidalgo, B. E. & J. P. Morales-Payan. 2024. Morphological fruit and tree attributes of breadfruit accessions from the germplasm collection of the Agricultural Experiment Station at Isabela, Puerto Rico. Abstracts of the 42nd meeting of the Puerto Rico Interdisciplinary Meeting (PRISM), 42:60. University of Puerto Rico Aguadilla Campus. April 20, 2024. (Project H-094)		Conference Papers and Presentation		X
Robles, W. 2024. Procesos para el registro de plaguicidas utilizados en la agricultura. Reunión Anual PRABIA. October 3, 2024. Ponce, PR. (Project H-372)		Conference Papers and Presentation		X
Robles, W. 2024. Avances para el registro de fungicidas para el control de enfermedades en café. Reunión Anual de Empresa de Café. November 15, 2024. Adjuntas, PR. (Project H-372)		Conference Papers and Presentation		X
Alejandro Rodriguez Cintrón, Rebecca Tirado-Corbalá, Elvin Román Paoli y Miguel A. Muñoz Muñoz. Evaluation of three perennial cover crops as a soil conservation practice in a lemon cultivar (var. Lisbon) on an Oxisol in Puerto Rico. 2024 Annual Symposium of the Research Academy Filling the GAP from Lab to Market at the Business Administration, UPRM. May 3, 2024 (Project H-529)		Conference Papers and Presentation		X
Vargas, R. & M. Giraldo. 2024. Rotylenchulus reniformis emerges as the most dangerous plant-parasitic nematode in sweet potato plantations in Puerto Rico. April 15, 2024. APS-CD, Mérida, México. (Project H-528)		Conference Papers and Presentation		X
Martínez-Rodríguez, G. A., Vázquez-Cartagena, M. A., Perdomo-García, C. R., Macchiavelli, R. E., Sotomayor-Ramírez, D., & Rosa, J. R. (2024). Water quality trends of streams in Puerto Rico: Evaluating 50 years of the Clean Water Act. Journal of Environmental Quality, 53, 253–264. https://doi.org/10.1002/jeq2.20550 . (Project H-475-A)	X			X
Bello, N.; W. Stroup, R. Macchiavelli, B. Craig, M. Ptukhinas, J. Couton (2024). What SAS and R software users need to know about GLMMs: an example-driven discussion.		Conference Papers and Presentation		X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Technical Program, NCCC-170 Annual Meeting, Mayaguez, June 13-14, 2024. (Project H-475-A)				
Macchiavelli. R. (2024) Aplicaciones de Modelos Aditivos Generalizados Mixtos en el Monitoreo para Calidad del Agua de Ríos y Arroyos en Puerto Rico. Invited Presentation in Encuentro Nacional de Matemáticas y Estadística, Universidad del Tolima, Ibagué (Colombia), Sep. 2024. (Project H-475-A)		Conference Papers and Presentation		X
Perez Arocho, J. E. [Empresa de Hortalizas UPRM]. (2024, May 24). Uso de Enmiendas Orgánicas en la Calidad del Fruto de Tomate. https://www.uprm.edu/hortalizasygranosbasicos/wp-content/uploads/sites/330/2024/10/Folleto-Reunion-_mayo-2024-1.pdf (Project H-533)		Electronic publication		X
Tirado-Colón, A. I., William D Feliciano-Figueroa, Héctor L Sánchez-Rodríguez, Veronica M Negrón-Pérez, Esbal Jiménez-Cabán, Progesterone and insulin concentrations during pregnancy in slick and wild type-haired Holstein cows, Journal of Animal Science, Volume 102, Issue Supplement 1, March 2024, Pages 57–58, https://doi.org/10.1093/jas/skae019.068 . (Project H-507)	X			X
Snyder, V.A, J. Dumas and P. Casanova. Absorbent method for measuring solute concentrations in the aqueous phase of unsaturated soils in the plant available water range. Poster presented at Caribbean Food Crops Society Annual Meetings, Punta Cana, Dominican Republic, July 14-19, 2024. (Project H-527)		Conference Papers and Presentation		X
Snyder, V.A. and J. Dumas. Absorbent methodology for measuring solute concentrations in the soil solution for soil moisture contents ranging between field capacity and wilting point. Proceedings of the Caribbean Food Crops Society Annual Meetings, Punta Cana, Dominican Republic, July 14-19, 2024. (Project H-527)		Conference Papers and Presentation		X
Díaz, P, V. Snyder and O. Abelleira. 2024. Modification of Energy Efficient Water Vapor Technologies for Reforestation and Human Consumption in Arid regions and tropical Islands. Poster presentation. Proc. Annual Conference of the Caribbean Food Crops		Conference Papers and Presentation		X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Society, July 2024, Punta Cana, Dominican Republic. (Project MS-023)				
Dumas, J., Workshop Organic amendments: A Mitigation strategy for soils and cash crops- presentation: Organic practices effect on the soil health by J. Dumas, December 14, 2024. (Project H-513)		Conference Papers and Presentation		X
Martínez Cortés. A. R. Tirado Corbalá, E. Román Paoli y M. Muñoz Muñoz. Evaluación de flujo de savia de aguacates tardíos bajo riego en un vertisol de Puerto Rico. Annual Meeting Puertorrican Society of Agricultural Sciences. December 13, 2024. Aguadilla, PR. (Project H-402)		Conference Papers and Presentation		X
Román Paoli, E., Sistemas de Riego en Cítricas. Forum: Present and Future of Orange Production and Marketing. December 10, 2024. Las Marías, PR. (Project H-402)		Conference Papers and Presentation		X
Román Paoli, E., Evaluación del Uso de Riego por Goteo en la Productividad de Café. Coffee Commodity Meeting. November 15, 2024. PROCAFE, Adjuntas, PR. (Project H-402)		Conference Papers and Presentation		X
Román Paoli, E., M. Goyal. UPR's Current and Proposed Research. Microirrigation: A sustainable technology for crop intensification and improved water productivity (W-4128). July 29, 2024. W4128 annual Meeting, Anaheim, CA. (Project H-402)		Conference Papers and Presentation		X
Ferrer Ramírez, P., E. Román-Paoli, 2024. Respuesta del limón cv. 'Meyer mejorado' a diferentes métodos de fertilización y utilización de cubiertas plásticas reflectoras. J. of Agric. of the Univ. of Puerto Rico. (Project H-402)	X			Under Review
Ferrer Ramírez, P., E. Román-Paoli, 2024. Respuesta del limón cv. 'Meyer mejorado' (Citrus limon (L.) Osbeck x Citrus reticulata Blanco) infectado con Huanglongbing a diferentes métodos de fertilización y plantas cobertoras. J. of Agric. of the Univ. of Puerto Rico. (Project H-402)	X			Under Review
Román Paoli, E., R. Tirado Corbalá, J. P. Morales Payán 2024. Improving the production of MD-2 pineapple propagation material through fertilization. J. Agric., UPR. (Project H-402)	X			Under Review
Román-Paoli, E. 2024. Irrigation section. Technological package for Citrus production.	X			Under Review

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Agricultural Experiment Station -UPR. (Project H-402)				
Torres Ruiz, Jeremy A., Daniel A. Bair. 2024. Abstract: Quantification of Heavy Metals in Puerto Rican Soils. Soil Science Society of America, Bouyoucos Summer Conference. San Juan, PR. (Project H-524)		Conference Papers and Presentation		X
Bair, Daniel A., Inna E. Popova, Miguel A. Muñoz, Julia M. O'Hallorans, and Ermita Hernandez. 2024. Abstract: Unlocking the Potential of Biochar: A Vital and Accessible Solution for Soil Rehabilitation. North American Biochar Conference, Sacramento, CA. (Project H-524)		Conference Papers and Presentation		X
[Empresa de Hortalizas UPRM]. Hernández, E. (2024, November 21). Marchitez Súbita de la Sandía "Watermelon Vine Decline": Variedades, Manejo y Divulgación [Video]. YouTube. https://youtu.be/2kdnkHLqkCE?si=0rP8_rDuTlSwD4KK (Project H-516)		Electronic publication		X
[Empresa de Hortalizas UPRM]. Hernández, E., Estévez De Jensen, C., Cabrera, I., & Macchiavelli, S. (2025, February 10). Buenas Prácticas para el Manejo de la Marchitez Súbita de la Sandía [Video]. YouTube. https://youtu.be/MH6WVhaUvXk (Project H-516)		Electronic publication		X
Hernández E., Macchiavelli S., Cabrera I. y Estévez de Jensen. 2024. Estrategias para el manejo de la marchitez súbita de la sandía. Servicio de Extensión Agrícola, Universidad de Puerto Rico. https://www.uprm.edu/sea/estrategias-para-el-manejo-de-la-marchitez-subita-de-la-sandia/ (Project H-516)		Electronic publication		X
Hernández E. & Estévez De Jensen. 2024. Evaluación de Variedades de Sandía; Estrategia para el Manejo de la Marchitez Súbita de la Sandía. Sociedad Puertorriqueña de Ciencias Agrícolas (SOPCA) [Poster]. Memorias 47 Reunión Científica y Asamblea Anual. pp 25. (Project H-516)		Conference Papers and Presentation		X
Alejandro Rodríguez Cintrón, Rebecca Tirado-Corbalá, Merari Feliciano-Rivera, Zulmarie Semidei-Vega, Rosa Franqui. Use of companion crops in organic tropical pumpkin		Conference Papers and Presentation		X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
production in an Oxisol in Puerto Rico. SSSA 2024 Bouyucos Summer Conference.				
Alejandro Rodriguez Cintrón, Rebecca Tirado-Corbalá, Merari Feliciano-Rivera, Zulmarie Semidei-Vega, Rosa Franqui. Use of companion crops in organic tropical pumpkin production in an Oxisol in Puerto Rico. SSSA 2024 Bouyucos Summer Conference. Common Ground: Soils Beyond Borders. June 10-12, 2024. (Project H-508)		Conference Papers and Presentation		X
Martínez-Rodríguez, G. A., Vázquez-Cartagena, M. A., Perdomo-García, C. R., Macchiavelli, R. E., Sotomayor-Ramírez, D., & Rosa, J. R. (2024). Water quality trends of streams in Puerto Rico: Evaluating 50 years of the Clean Water Act. Journal of Environmental Quality, 53, 253–264. https://doi.org/10.1002/jeq2.20550	X			X
Conor G. Fair, Julia Piaskowski, Raúl Macchiavelli, Josefina Lacasa, Bruce A. Craig, and Walter W. Stroup (2025) Best practices for GLMMs with zero-inflation – unique challenges for repeated-measures data and fitting covariates in binary process. Abstracts, Research Advances in Statistical Methods in Agriculture – Annual Meeting Project NCCC170. Moscow (Idaho), June 4-5, 2025.		x		x
Nora M. Bello, Walter W. Stroup, Julia Piaskowski, Josefina Lacasa, Reka Howard, Daniel G. Palmer, Quentin D. Read, Susan L. Durham, Conor G. Fair, Clark Kogan, Raúl E. Macchiavelli, and Bruce A. Craig (2025). GLMM working group updates and plans to move forward. Research Advances in Statistical Methods in Agriculture – Annual Meeting Project NCCC170. Moscow (Idaho), June 4-5, 2025.		x		x
Macchiavelli, R. , N. Bello, W. Stroup (2025). Analysis of Repeated Measures Revisited: Are Recommended Best Practices Applied Consistently Across and Within Software Platforms? Abstracts, Conference on Applied Statistics and Natural Resources (Gainesville, FL, May 2025)		X		X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Alejandro Rodríguez Cintrón, Rebecca Tirado Corbalá, Merari Feliciano and Rosa A. Franqui. 2024. Evaluación de nutrientes en suelo y tejido en calabaza y cultivos acompañantes en un sistema orgánico en Puerto Rico, page 62. Presented at the 47th Annual Scientific Meeting of the Puerto Rican Society of Agricultural Sciences (SOPCA) 2024, December 13, 2024, Hotel Punta Borinquen, Aguadilla, Puerto Rico. (Graduate student Poster presentation). (Project H-508)		Conference Papers and Presentation		X
Giraldo Zapata, M. C., et al. (2024). El ñame: Manejo Integrado en un cultivo de subsistencia. Guía de bolsillo de Ñame.		X		X
Giraldo Zapata, M. C., et al. (2024). La yautía: Manejo Integrado en un cultivo ancestral. Guía de bolsillo de Yautía		X		X
Feliciano Rivera, Giraldo, M. C., Almodovar, W. & Cortés, M. (2024). Medidas para el manejo de la roya del ñame en Puerto Rico.		X		X
Mike Vázquez-Torres , Nilka Rivera-Portalatín and Irma Cabrera-Asencio. 2025 Phytochemical Profiling, Bioactivity, and Insecticidal Effectiveness of Mammea americana L. Leaf Extracts Against Ferrisia sp. Plants: 14, 21	X			X
Naomi M. Maldonado-Pinto, Irma Cabrera-Asencio y Eric W. Harmsen.2025. Batocera rufomaculata (De Geer, 1775) (Coleoptera: Cerambycidae): Incidencia, severidad y preferencia en cultivares de Mangifera indica. J. Agric. Univ. P.R. 109(1):155-184	X			X
Worsdell, Félix, Maughan, Hill-Butler, & Wright (2024). Has Agroecology Lost the Plot? The Fracture Between Science, Movement, and Practice, in the Insular Caribbean. Journal of Agrarian Change	X		X	
Reyes Maldonado & Félix (2025). Sentipensar with Agroecological Pedagogies from Puerto Rico: Disentangling our Food Landscape from Dualist Ontologies. Agroecology and Sustainable Food Systems			X	
Martínez, E. 2025. Primer reporte de Thrips parvispinus (Thysanoptera:Thripidae) en siembras de pimienta en Puerto Rico	X		X	
Hernandez, E., Beaver, J., Estévez DeJensen, C., Rodríguez, G., Martínez, E., Vargas, R.,		X		X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Arrocho, J., Harmsen, E., & Bair, D. (2024). Manual de la Producción de Maíz (2024th ed., Vol. 1). MEI				
M. Morejón, D. Sotomayor, M.L. Flores-Mangual, Y. Sánchez-de León. Formation of aggregates and carbon storage mediated by earthworms in a tropical soil (Ultisol). J. Agric. Univ. P.R. 108(2):159-183 (2024)	X			X
Rosado I., C. Estévez de Jensen, S. Cosme and Timothy Porch. 2025. Common Bacterial blight Inoculation Response in the Tepary (Phaseolus acutifolius A. Gray) Diversity Panel. Bean Improvement Cooperative Annual Report		X	X	
Alejandra Varela-Alpi, María Plaza, Abner Rodríguez-Carías y Leyda Ponce de León. Caracterización nutricional y química de la leche de cabra producida en diferentes regiones agrícolas de Puerto Rico. J. Agric. Univ. P.R. 109(1): (2025)	X			X
M.L. Plaza, M.M. Ramírez-Rodrigues, Giovanna Ferrentino, M.O. Balaban and M.R. Marshall. 2025. Influence of Dense Phase Carbon Dioxide and Pasteurization Treatments on Storage Quality of Guava Puree. Innovative Food Science and Emerging Technologies 101 (2025) 103944.	X			X
M.L. Plaza, M.M. Ramírez-Rodrigues, M.O. Balaban and M.R. Marshall. 2025 Effect of Enzyme Treatment on Physicochemical and Phytochemical Properties of Guava Puree. Food Science & Nutrition	X		X	
Department of Animal Science				
Luquis, Krystal, E. Jimenez, L. Santiago, W. Feliciano y V.M. Negrón Perez. "Desarrollo de estructuras en el ovario de vacas Holstein-Friesian pelonas y no pelonas en el trópico". Poster presented at the 47th SOPCA Annual Scientific Meeting on December 13, 2024. (Project H-509)		Conference Papers and Presentation		X
López, J., G. Muñiz, A. Lugo, A., S. Padro, K. Domenech, A. Casas, and H. Sánchez. 2024. Ciclos diarios de temperatura vaginal en vacas Senepol y Senepol x Angus Rojo con 1 o 2 copias del gen SLICK1. Abstract and oral presentation offered at the 47th SOPCA		Conference Papers and Presentation		X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Annual Scientific Meeting on December 13, 2024. (Project H-543)				
Lugo, A., J. López, S. Padro, K. Domenech, A. Casas, G. Muñoz, and H. Sánchez. 2024. Comparación de los patrones diarios de temperatura vaginal entre novillas puras Senepol y novillas cruzadas Senepol x Angus Rojo durante la época fresca en Puerto Rico. Abstract presented at the 47th SOPCA Annual Scientific Meeting on December 13, 2024. (Project H-543)		Synopsis / Abstract		X
Ormaza-Rivera, Karla, John Fernández Van Cleve, Abner Rodríguez Carías, y Esbal Jiménez Cabán. 2024. Mejoramiento genético de la primera generación de corderos criollos x carneros portadores del gen Fec- B (Booroola). SOPCA 2024. (Project H-510)		Synopsis / Abstract		X
Cordero-Arbelo, Génesis, Karla Ormaza-Rivera, Abner A. Rodríguez-Carías, Esbal Jiménez-Cabán, y John Fernández Van Cleve. 2024. Introgresión del gen de fecundidad Fec-B (Booroola) para el mejoramiento de la productividad de ovinos criollos en Puerto Rico. J. Agric. Univ. P.R. 108:205-208. (Project H-510)	X			X
Llanos Dangely. 2024. Días en alimentación con raciones totales para alcanzar el peso al sacrificio de corderos enteros y castrados genéticamente mejorados y su efecto sobre el rendimiento productivo, parámetros fisiológicos, rendimiento de la canal y cortes y calidad de la carne. Thesis. UPRM (Project H-532)		Thesis Dissertation		
Llanos-Rodríguez, D., C Almeyda-Domenech, K. Domenech, John Fernandez Van Cleve and Abner Rodríguez-Carías. 2024. Performance, carcass, wholesale, and retail cuts yield of genetically improved entire or castrated crossbred lambs fed total rations under heat stress conditions. Annual Meeting. American Society of Animal Science meeting (ASAS). Calgary, Canada. July 2024. (Project H-532)		Synopsis / Abstract		
Varela-Alpi A., M. Plaza, A. Rodriguez and L. Ponce de Leon. Chemical characterization of goat milk produced in different agricultural regions of Puerto Rico, 2025, Journal of Agriculture of the University of Puerto Rico. (Project H-501)	X			Accepted for publication

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Contreras-Correa, Z. E., Sánchez-Rodríguez, H. L., Arick II, M. A., Muñoz-Colón, G., & Lemley, C. O. 2024. Thermotolerance capabilities, blood metabolomics, and mammary gland hemodynamics and transcriptomic profiles of slick-haired Holstein cattle during mid lactation in Puerto Rico. Journal of Dairy Science, 107(6), 4017-4032	X			X
Department of Agricultural and Biosystems Engineering				
Tavárez, H. (2024, July). Conciencia ambiental y disposición a pagar por mejorar la biodiversidad en Puerto Rico. Oral presentation presented at the Caribbean Food Crops Society, Dominican Republic. (Project MS-025)		Conference Papers and Presentation		X
Totti, M. C. V.; Zinn, Y. L.; Silva, S. H. G.; Silva, B. M.; Bócoli, F. A.; Faria, V. L. de; Montes, A. O.; Acuña-Guzman, S. F.; Uezu, A.; Cullen Junior, L.; Fernandes, V. F.; Avanzi, J. C. 2025. Organic carbon stocks across various land use systems in sandy Ultisols and Oxisols in Brazil. Geoderma Regional, 40. DOI: 10.1016/j.geodrs.2025.e00924	X			X
Cardoso, D. P.; dos Santos, W. P.; Silva, S. H. G.; Merlo, M. N.; Acuña-Guzman, S. F.; Acerbi Júnior, F. W.; Viola, M. R.; Silva, M. L. N.; Curi, N.; Avanzi, J. C. 2024. Estimation and assessment of water erosion in the Peixe Angical Basin, Brazil. Journal of South American Earth Sciences, 149. DOI: 10.1016/j.jsames.2024.105235.	X			X
Santos, W. P.; Acuña-Guzman, S. F.; Oliveira, P. T. S.; Beniaich, A.; Cardoso, D. P.; Silva, M. L. N.; Curi, N.; Avanzi, J. C. 2024. CA-Markov prediction modeling for the assessment of land use/land cover change in two sub-basins of the Tocantins-Araguaia River Basin. Environmental Monitoring and Assessment, 196:499. DOI: 10.1007/s10661-024-12673-4	X			X
Monroig-Saltar, F. M.; Román-Aponte, E. A.; Flores-Ortega, C. A.; Monroig-Inglés, M. F. 2025. Evaluation of semi-mechanized and assisted coffee harvesting methods in Puerto Rico. ASABE Annual International Meeting, Paper No. 2500112, 1–8. DOI: 10.13031/aim.2500112		X	X	
Department of Agricultural Economics and Rural Sociology				

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Tavarez, H. (2024, May). Economic Viability of Developing Passive Recreational Opportunities in Puerto Rico: Insights for Sustainable Forest Management. Poster presentation presented at the 4th Congress of Applied Economics of Puerto Rico held at Mayagüez, Puerto Rico. (Project MS-025)		Conference Papers and Presentation		X
Carro-Figueroa, V., 2024. "La sostenibilidad agrícola en el contexto social y humano: eliminando barreras a la sostenibilidad social de la agricultura". Oral presentation at the Forum on Sustainable Management of Agricultural Systems, October 10, UPR-Mayagüez, Puerto Rico. (Project H-526)		Conference Papers and Presentation		X
Tavárez, H., & Cortés, M. (2024). Device effects: Results from choice experiments in an agritourism context. Economía Agraria y Recursos Naturales, 24(1), 5-27. https://doi.org/10.7201/earn.2024.01.01	X			X
Colón-Ramos, U., Guerra Uccelli, N., Meléndez-Colón, O., García Blanco, A.M., Ostolaza Santiag, C., Rosas Pérez, C, Gomez Andújar, N., Tavárez, N., Poirier, L., Gittelsohn, J., Long, M.W. Structures and Systems that Promote Nutrition Security and Climate Adaptation in Puerto Rico: Results from Community-Based System Dynamics. Public Health Nutrition	X		X	
Tavárez, H., Cortés, M., & Hernández, J. (2024). Consumer attitudes and behavior towards differentiated coffees in Puerto Rico: An assessment of text, labels and quick response (QR) codes. Caribbean Food Crops Society.		Proceeding		
Tavárez, H., & Fuentes, R. (2025). Proyecto Esencia y su impacto socioeconómico en el suroeste de Puerto Rico. Metro. Retrieved from https://www.metro.pr/opinion/2025/03/22/proyecto-esencia-y-su-impacto-socioeconomico-en-el-suroeste-de-puerto-rico/?fbclid=IwY2xjawJOW8dleHRuA2FlbQlxlMQABHTjl411tpSgLmx9sBBt4hMtxckk1MTKY1d8xQoIl-02KpjruOSAP5A1SJg_aem_XGypa420ML2-t8vtk3Enyg		newspaper		X
Tavárez, H., & Hernández, J. (2025). El impacto de los aranceles federales agrícolas en Puerto Rico. El Nuevo Día. Retrieved from https://www.elnuevodia.com/opinion/punt		newspaper		X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
o-de-vista/el-impacto-de-los-aranceles-federales-en-la-agricultura/				
Tavárez, H. (2025). El impacto económico del cambio climático en Puerto Rico. Metro. Retrieved from https://www.metro.pr/opinion/2025/02/09/el-impacto-economico-del-cambio-climatico-en-puerto-rico/		newspaper		
Tavárez, H. (2025). Cambios en UPR: en riesgo la agricultura sostenible. El Nuevo Día. Retrieved from https://www.elnuevodia.com/opinion/punto-de-vista/cambios-en-upr-en-riesgo-la-agricultura-sostenible/		newspaper		X
Tavárez, H. (2024). Vías para promover el crecimiento y desarrollo económico, Sin Comillas. Retrieved from https://sincomillas.com/vias-para-promover-el-crecimiento-y-desarrollo-economico/		newspaper		X
Tavárez, H. (2024). ¿Cómo los eventos atmosféricos trastocan la agricultura en Puerto Rico? Metro. Retrieved from https://www.metro.pr/opinion/2024/09/29/como-los-eventos-atmosfericos-trastocan-la-agricultura-en-puerto-rico/		newspaper		X
Tavárez, H. (2024). Sostenible vs. sustentable: Discutiendo algunos aspectos económicos. Acerola Strategies. Retrieved from https://www.acerolastrategies.com/blog/igle7203uxto9qfs240yj3fppq3bl6		newspaper		X
Tavárez, H. (2024). Los eventos atmosféricos y el desarrollo económico de Puerto Rico. El Nuevo Día. Retrieved from https://www.elnuevodia.com/opinion/punto-de-vista/los-eventos-atmosfericos-y-el-desarrollo-economico-de-puerto-rico/?fbclid=IwY2xjawE1Z7ZleHRuA2FlbQlXMQABHRIQhBvkbLRlXGt6GRwtUCw4JcsbwrT6Tstd6b6B3ZGoKa3c_U-t47AGaw_aem_6KLKq5-AxTNZD5Q0BQZv2A		newspaper		X
Méndez Toro, T. (2024). Cadenas de suministro y guerras comerciales: El caso de la soya en el conflicto comercial entre Estados Unidos y China (Doctoral dissertation).		Repositorio UPRRP		X
Tavárez, H., & Cortés, M. (2024). Device effects: Results from choice experiments in an agritourism context. Economía Agraria y	Journal			X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Recursos Naturales, 24(1), 5-27. https://doi.org/10.7201/earn.2024.01.01				
Colón-Ramos, U., Guerra Uccelli, N., Meléndez-Colón, O., García Blanco, A.M., Ostolaza Santiago, C., Rosas Pérez, C, Gomez Andújar, N., Tavárez, N., Poirier, L., Gittelsohn, J., Long, M.W. Structures and Systems that Promote Nutrition Security and Climate Adaptation in Puerto Rico: Results from Community-Based System Dynamics. Public Health Nutrition	Journal		X	
Tavárez, H., Cortés, M., & Hernández, J. (2024). Consumer attitudes and behavior towards differentiated coffees in Puerto Rico: An assessment of text, labels and quick response (QR) codes. Caribbean Food Crops Society.		Proceeding		
Tavárez, H., & Fuentes, R. (2025). Proyecto Esencia y su impacto socioeconómico en el suroeste de Puerto Rico. Metro. Retrieved from https://www.metro.pr/opinion/2025/03/22/proyecto-esencia-y-su-impacto-socioeconomico-en-el-suroeste-de-puerto-rico/?fbclid=IwY2xjawJOW8dleHRuA2FlbQlxlMQABHTjI411tpSgLMx9sBBt4hMtxckk1MTKY1d8xQoIl-02KpjrUOSAP5A1SJg_aem_XGypa420ML2-t8vtk3Enyg		Newspaper		
Tavárez, H., & Hernández, J. (2025). El impacto de los aranceles federales agrícolas en Puerto Rico. El Nuevo Día. Retrieved from https://www.elnuevodia.com/opinion/punto-de-vista/el-impacto-de-los-aranceles-federales-en-la-agricultura/		Newspaper		
Tavárez, H. (2025). El impacto económico del cambio climático en Puerto Rico. Metro. Retrieved from https://www.metro.pr/opinion/2025/02/09/el-impacto-economico-del-cambio-climatico-en-puerto-rico/		Newspaper		X
Tavárez, H. (2025). Cambios en UPR: en riesgo la agricultura sostenible. El Nuevo Día. Retrieved from https://www.elnuevodia.com/opinion/punto-de-vista/cambios-en-upr-en-riesgo-la-agricultura-sostenible/		Newspaper		X
Tavárez, H. (2024). Vías para promover el crecimiento y desarrollo económico, Sin		Newspaper		X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Comillas. Retrieved from https://sincomillas.com/vias-para-promover-el-crecimiento-y-desarrollo-economico/				
Tavárez, H. (2024). ¿Cómo los eventos atmosféricos trastocan la agricultura en Puerto Rico? Metro. Retrieved from https://www.metro.pr/opinion/2024/09/29/como-los-eventos-atmosfericos-trastocan-la-agricultura-en-puerto-rico/		Newspaper		X
Tavárez, H. (2024). Sostenible vs. sustentable: Discutiendo algunos aspectos económicos. Acerola Strategies. Retrieved from https://www.acerolastrategies.com/blog/igle7203uxto9qfs240yj3fppq3bl6		Newspaper		X
Tavárez, H. (2024). Los eventos atmosféricos y el desarrollo económico de Puerto Rico. El Nuevo Día. Retrieved from https://www.elnuevodia.com/opinion/punto-de-vista/los-eventos-atmosfericos-y-el-desarrollo-economico-de-puerto-rico/?fbclid=IwY2xjawE1Z7ZleHRuA2FlbQlXMQABHRIQhBvkbLRlXGt6GRwtUCw4JcsbwrT6Tstd6b6B3ZGoKa3c_U-t47AGaw_aem_6KlKq5-AxTNZD5Q0BQZv2A		Newspaper		X
Barriga, A., & Dunn, R. A. (2025). The effect of mass migration on disease transmission: Evidence from the Venezuelan refugee crisis. Journal of Policy Analysis and Management, 44, 428–455. https://doi.org/10.1002/pam.22641	X			X
Abner A Rodriguez, Alicia Barriga, Hector Cuestas, John Fernandez, PSVII-27 FAO-Honduras: Training producers and technicians in sheep management practices to enhance extension capabilities and strengthen food security concepts among college students, Journal of Animal Science, Volume 102, Issue Supplement_3, September 2024, Pages 820–821, https://doi.org/10.1093/jas/skae234.920	X			X
Gutierrez, F. V., Buschbacher, R. J., Ramos, M., Pereira, P., Lima, F., Silva, F., Stepp, J. R., Kainer, K. A., dos Santos Pereira, H., Tucker, C. M., & Perz, S. G. (2025). Amazonian-nut community-based entrepreneurship, traditional ecological knowledge & biocultural conservation in the eastern Amazon, Brazil.	X		X	

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Manuscript submitted for publication, Journal of Ethnobiology.				
Avilés-Ortiz, Y. A., González-Martínez, G. M., Mas, E., & Gregory-Crespo, A. (2025). Factores asociados con la implementación de prácticas de conservación en Puerto Rico. Journal of Agriculture of the University of Puerto Rico, 109(1), 119–134.	X			X
Gregory, A., G. M. González y A. Cano. 2025. El Sector de la Agricultura. En Informe Económico al Gobernador, Gobierno de Puerto Rico, Junta de Planificación de Puerto Rico.	X		X	
Comas, M. A. Gregory, and G. M. González. 2025. Developing the Agribusiness Plan. In Spanish. Department of Agricultural Economics and Rural Sociology, University of Puerto Rico at Mayagüez. https://www.uprm.edu/agricultores-desventajados/wp-content/uploads/sites/413/2025/03/Plan-de-Negocio-para-Agroempresas-marzo-31-2025-1.pdf		X	X	
Department of Agricultural Education				
Ruiz Lugo, A. (Editor). 2025. SEA Journal of the Agricultural Extension Service. Vol. 1. Agricultural Extension Service		Magazine		X
Ruiz Lugo, A. (Editor). 2024. SEA Journal of the Agricultural Extension Service. Vol. 3. Agricultural Extension Service		Magazine		X
Ruiz Lugo, A. (Editor). 2024. SEA Journal of the Agricultural Extension Service. Vol. 2. Agricultural Extension Service		Magazine		X
Del Rosario J. 2024. SEA Magazine. Talent inventories (dance) as an alternative for creating innovative educational strategies for our children and youth.		X	X	x
Del Rosario J. 2025. Educational Manual: “The sale of rebel cod”		X	X	
Del Rosario J. 2025. Theatrical Script: “La pandilla de mosquitos”		X	X	
Negrón, Gloriselle. (2024). Know your ambient air quality conditions		“Impresiones” (local newspaper)		X

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
Saavedra-Lugo, J., & Hernandez-Aquino, B. (2025). Determination of the Profile of the Agricultural Education Teachers of Puerto Rico Aimed at Identifying Needs to Establish a Professional Development Plan. Journal of Agricultural Education, 66(1), Article 25. https://doi.org/10.5032/jae.v66i1.2896	x		x	
Saavedra-Lugo, J., & Hernández-Aquino, B. (2025). Agricultural education in Puerto Rican schools: Addressing the challenges of the 21st century from a social perspective. Impacto Educativo Journal, Volume 4	x			x
Hernández-Aquino, B. & Saavedra Lugo, J. (2025). Innovating from the Classroom: Essential Capabilities and Skills for the 21st Century That Educators Should Promote.	x		x	
Other publications				
Ronda Plaza, P. C. 2024. PSEUDOCERCOSPORA FIJIENSIS IN BANANA CULTIVARS: ASSESMENT OF RESISTANCE ELICITORS AND APPLICATION OF EARLY DETECTION TECHNIQUES AS A MANAGEMENT ALTERNATIVE. (MS dissertation). University of Puerto Rico, Mayagüez Campus. (Project H-486)		Thesis Dissertation		Under review
Lopez, L.E, (2024). Evaluation of critical mutational points in Lactate Dehydrogenase in Senepol and Holstein cattle differing in Prolactin Receptor Genotypes associated with slick hair. [master's thesis].University of Puerto Rico at Mayagüez. (Project H-488)		Thesis Dissertation		Accepted for publication
Torres, E. 2025. Short-term preservation of pigeonpea [Cajanus cajan (L.) Mill.] genotypes, Master Thesis. University of Puerto Rico (in preparation). (Project Z-376)		Thesis Dissertation		Under review
Andrea I. Muñoz, Y. 2024. Evaluación de métodos de propagación de Dioscorea spp. para aumentar la disponibilidad de semilla libre de enfermedades (Master dissertation). UPRM (Project H-522)		Thesis Dissertation		Under review
Josué Soto Morales. 2024. Desarrollo de protocolo de multiplicación in vitro de Dioscorea rotundata cv Guinea Negro utilizando biorreactores de inmersión temporal (Master dissertation). UPRM (Project H-522)		Thesis Dissertation		Under review
Ormaza-Rivera, Karla. 2025. Crecimiento, desarrollo y mejoramiento de la primera		Thesis Dissertation		Under review

Reference (author, year, title, title of the journal or publisher, volume, number)	Publications		Status	
	Peer-reviewed (ej. Journal)	Non peer-reviewed (ej. Newspaper, PRAES Newsletter)	Submitted	Approved/ Published
generación de corderos criollos × Dorset portadores del gen Fec-B (Booroola) en el trópico. M.S. (Project H-510)				
Llinas, D. 2024. Physicochemical characteristics of dulce de leche manufactured with goat milks and blends of goat's and cow's milk." M.S. Thesis. University of Puerto Rico at Mayaguez (Project H-501)		Thesis Dissertation		Under review
[Empresa de Hortalizas UPRM]. Torres , Y. (2024, May 9). Marchitez Súbita de la Sandia: Hospederos y Manejo [Video]. https://youtu.be/ZoOa05T32SU (Project H-516)		Electronic publication		X

Attachment IV - Presentations

Presentations (oral or posters)			
Academic Year 2024-2025			
Reference	Forum (ej. SOPCA, international congress, etc.)	Date	Place
Department of Agroenvironmental Sciences			
Manejo Integrado de Plagas en Ornamentales para la comunidad. Dania Rivera Ocasio y Amy J. Dreves. Cartel Educativo Profesional.	Sociedad Puertorriqueña de Ciencias Agrícolas.	12/13/2024	Punta Borinquen, Aguadilla.
Developing sustainable whitefly management strategies for poinsettias through extension programs in Puerto Rico. Edda L. Martínez Calez y Dania Rivera Ocasio Cartel Educativo Profesional.	Sociedad Puertorriqueña de Ciencias Agrícolas.	12/13/2024	Punta Borinquen, Aguadilla.
Tamarixia radiata como Agente de Control biológico del Psílido Asiático de los cítricos en Puerto Rico	Farmers and Agricultural Agents	5/2/2025	EEA Adjuntas
Certificación de Plaguicidas: Categoría 8C (Curso Educación Continua)	Pest Control Professional	4/29/2025	San Juan
Insectos de Importancia Económica en Raíces y Tubérculos (Workshop)	Agricultural Agents	4/8/2025	EEA Corozal
Salvemos los Cítricos. (Field Day)	Farmers and Agricultural Agents	4/3/2025	Añasco
Plagas de Reciente Introducción. (Workshop and Field Day)	Farmers and Agricultural Agents	3/27/2025	EEA Juana Díaz
Bug Bites: Entomophagy. (Workshop)	4-H's	3/14-15/2025	Washington, DC
Identificación y Manejo de Insectos de Importancia en Viveros Forestales. (Workshop)	DRNA and Forest Service	1/23/2025	Manatí
Martínez E., D. Rivera. 2024. Developing Sustainable Whitefly Management Strategies for Poinsettias through Extension Programs in Puerto Rico. Memorias de la Cuadragésima séptima Reunión Científica Anual SOPCA.	SOPCA	12/13/2024	Aguadilla, PR
Diaphorina citri y Toxoptera citricida: Principales vectores en la transmisión de enfermedades en cítricos (Workshop)	Farmesr, Agricultural Agents and Agronomist	12/10/2024	Las Marías
Certificación de Plaguicidas: Categoría 8ª (Curso Educación Continua)	Pest Control Professional	Nov. 15, 22 and 26, 2024	SEA, Rio Piedras
Conversatorio entre mariposarios de PR (Forum)	Virtual Meeting Butterfly Gardens of PR	10/23/2024	San Juan, PR
Manejo Integrado de mosca blanca en Pascuas (Workshop)	Newly Appointed Agricultural Agents	10/23/2024	Corozal, PR
Identificación, Muestreo y Manejo Integrado de Thrips parvispinus. (Short Course)	USDA, PPQ	10/18/2024	Hato Rey, PR

Presentations (oral or posters)			
Academic Year 2024-2025			
Reference	Forum (ej. SOPCA, international congress, etc.)	Date	Place
Busqueda de Tesoro: Jardín de Polinizadores. Jardín Botánico de Río Piedras (Exhibition)	Cierre Semana Nacional 4-H	10/12/2024	Botanical Garden, Río Piedras
Control de Plagas en Ají y Pimiento (Workshop)	Farmers, Agricultural Agents and agronomists	9/10/2024	SEA, Morovis
Identificación y Muestreo de Escarabajos de Importancia Forestal (Workshop)	DRNA	9/3/2024	Río Piedras
Identificación de Lepidoptera (Short Course)	USDA- PPQ	8/29-30, 2024	Aguada, PR
Hernandez E. and Macchiavelli S. (2024). Addressing Tomato Disease Management Challenges in Puerto Rico: Insights from a Grower Survey and TomSPOT. [Poster] https://doi.org/10.1094/APS-PH24-171	APS	7/2024	TN
Hernandez E. , Beaver J. & Porch T. Respuesta de Phaseolus en Puerto Rico a Megalurothrips usitatus. 2024 PCCMCA presentation 17 June 2024 1.pptx	Oral	8/2024	Honduras
Ramos-Rodríguez, A. P., Hernández-Heredia, E. , Bair, D. A., Chong, J. A., & Pérez-Arocho, J. (2024) Contribution of Organic Soil Amendments to Tomato Production in Puerto Rico [Abstract]. ASA, CSSA, SSSA International Annual Meeting, San Antonio, TX. https://scisoc.confex.com/scisoc/2024a/m/meetingapp.cgi/Paper/160711	CCSA	11/2024	TX
Hernandez E. y Estévez De Jensen C. 2024. Evaluación de Variedades de Sandía; Estrategia para el Manejo de la Marchitez Súbita. Memorias de SOPCA 2024. P25.	SOPCA	12/2024	PR
[Empresa de Hortalizas UPRM]. Hernandez E. (2024, noviembre 21). "Marchitez Súbita de la Sandía "Watermelon Vine Decline": Variedades, Manejo y Divulgación [Video]. YouTube https://youtu.be/2kdnkHLqkCE?si=wN4N_5xdZh8RJ5ic	SEMINAR/ONLINE	11/2024	PR
[Empresa de Hortalizas UPRM]. Hernandez E. , Macchiavelli S. De Jensen C.E., & Cabrera I. (2025, febrero 10). "Buenas Prácticas para el Manejo de la Marchitez Súbita de la Sandía [Video]. YouTube https://youtu.be/MH6WVhaUvxx?si=LPBieQ4ROh_n7BUo	EDU/VIDEO	2/2024	PR

Presentations (oral or posters)			
Academic Year 2024-2025			
Reference	Forum (ej. SOPCA, international congress, etc.)	Date	Place
Alondra G. Nieves Santana, Irma Cabrera Asencio , Rosa A. Franqui Rivera y Elvin Lassalle Loperena. 2024. DATOS PRELIMINARES: Amrasca biguttula (HEMIPTERA: CICADELLIDAE) UNA NUEVA PLAGA INVASIVA EN PUERTO RICO.	SOPCA	12/2024	Aguadilla
Berenice Estefanía Venegas Hidalgo e Irma Cabrera Ascencio.2024. Datos Preliminares:Distribución, Dispersión, Densidad poblacional de Megalurothrips usitatus (Thysanoptera:Tripidae) en el Noroeste, Este y Sur de Puerto Rico.	SOPCA	12/2024	Aguadilla
Elvin A. Lassalle Loperena e Irma Cabrera Asencio. 2024. Datos Preliminares de Depredadores y Parasitoides del Saltahoja Indio del algodón Amrasca biguttula (Hemiptera: Cicadellidae).	SOPCA	12/2024	Aguadilla
Irma Cabrera Asencio. 2024.Cotton Jassid: Effects and Impact in Puerto Rico.	Cotton Jassid Research Group Discussion	4/2025	Colorado, USA
Irma Cabrera Asencio. 2025. Importance of Cotton Jassid: in Puerto Rico	Florida WorkShop	5/2025	Florida, USA
Felix, G. Soñar con una Estación Experimental... ¿Agroecológica?	Simposio EEA-SEA-UPR: "Hacia una nueva agenda de investigación y educación en agricultura sostenible, agroecológica y orgánica para el Colegio de Ciencias Agrícolas"	08/21/2024	Finca La Zafra, Gurabo (Puerto Rico)
Felix, G. "Slash-and-mulch": Agroforestería en África	Foro de la Empresa de Hortalizas	09/19/2024	en línea (Puerto Rico)
Felix, G. Metodologías de desarrollo participativo para procesos agroecológicos en América Latina y el Caribe	Curso pre-congreso del X Congreso Latinoamericano de Agroecología	10/21/2024	Asunción (Paraguay)
Felix, G. ¿Dónde está el alimento en esta ciudad? El caso de Coventry, Inglaterra	X Congreso Latinoamericano de Agroecología de SOCLA	10/23/2024	Asunción (Paraguay)
Felix, G. Agroforestería en sistemas tropicales	Foro NRCS-Distritos de Conservación: "Beneficios de prácticas silvopastoriles en sistemas tropicales"	11/13/2024	EEA-Gurabo, PR
Felix, G. Common points between Mediterranean and Caribbean	Organic Agriculture Course	12/20/2024	International Center for Advanced

Presentations (oral or posters)			
Academic Year 2024-2025			
Reference	Forum (ej. SOPCA, international congress, etc.)	Date	Place
Agroecology: A Principle-based Approach			Mediterranean Agronomic Studies – CIHEAM Bari (Italy)
Felix, G. What's Good in Coventry? Food Abundance vs. Food Poverty (POSTER)	Food Sovereignty Photovoice Exhibit by Lucas Worsdell (Project CiCAT)	12/28/2024	PAC, Lares, PR
Felix, G. Agroecological Resilience: Puerto Rico in the Aftermath of Hurricane María (2017)	Course: Stabilisation Agriculture (Agroecology Master's Program)	01/28/2025	Coventry University – Centre for Agroecolog, Water and Resilience (UK)
Felix, G. Analysis and Design of Agroecological Farms	Course: Stabilization Agriculture (Agroecology Master's Program)	02/11/2025	Coventry University – Centre for Agroecolog, Water and Resilience (UK)
Felix, G. Caracterización del Desempeño Agroecológico en Huertos Urbanos y Fincas Campesinas	Curso: Seminario de Metodologías Científicas	03/25/2025	UPRU, Utuado, PR
Felix, G. Agroecology and Food Sovereignty in the Insular Caribbean	Regional Seminar Climate Policy, Coastal Protection and Vulnerable Communities (Project: Island(er)s at the Helm)	04/10/2025	University of Saint Martin Phillipsburg (Sint Maarten)
Felix, G. Agroforestry in West Africa and Beyond	Course: Ecological Processes in Agroecology	04/22/2025	University of Vermont - Institute for Agroecology (USA)
Felix, G. Planificación Agroforestal de Fincas Orgánicas o en Transición	Taller participativo: Proyecto Z-402 (Transiciones Orgánicas)	04/24/2025	Finca Nueva Cosecha, Lajas, PR
Robles, W. 2024. Procesos para el registro de plaguicidas utilizados en la agricultura.	Reunion de "PR Agriculture Biotechnology and Innovation Association (PRABIA)"	10/03/2024	Ponce
Robles, W. 2024. Avances para el registro de fungicidas para el control de enfermedades en café.	Reunion Anual de Empresa de Cafe	11/15/2024	Adjuntas
Robles, W. 2025. Modo de acción para la selección de un herbicida.	Reunión Anual de "Puerto Rico Vegetation Management Association".	03/20/2025	Carolina

Presentations (oral or posters)			
Academic Year 2024-2025			
Reference	Forum (ej. SOPCA, international congress, etc.)	Date	Place
Robles, W. 2025. Avances sobre el Proyecto IR-4 en PR.	Conversatorio EEA Corozal	03/10/2025	Virtual
Robles, W. 2025. Introduction to the IR-4 project. "Pesticide application field training for root and tuber crops", Robles, W. 2025. Pesticide registered for root and tuber crops. "Pesticide application field training for root and tuber crops" Almodovar, L. and W. Robles. 2025. Farm equipment use and calibration methods. "Pesticide application field training for root and tuber crops" Almodovar, L. and W. Robles. 2025. Field demonstration of pesticide applications. "Pesticide application field training for root and tuber crops"	A one-day "Train-the-Trainer" field training for Extension Agents.	2025	Corozal
Sánchez de León, Y. 2024. Natural Resources Career Development Program: A Gateway to Professional Opportunities in Soil Conservation and Related Careers for Puerto Rican Students. Poster presentation	Soil Science Society of America 2024 Bouyoucos Summer Conference	6/9-13/2024	San Juan PR.
Estévez de Jensen, C., M Lugo, I. Rosado, T Porch and R. Buell. 2024. Erysiphe vignae and Erysiphe diffusa identified causing powdery mildew in Tepary Bean (Phaseolus acutifolius Gray.) in Puerto Rico.	National Plant Diagnostic Network Annual Meeting	11/2024	
Rosado, I. Estévez de Jensen, S. Cosme and T. Porch. 2024. Evaluación de la Resistencia a BCMV en Líneas Registradas del Frijol Tepary Phaseolus acutifolius A. Gray. p. 50	SOPCA Memorias de la 47 ^{va} Reunion Anual de la Sociedad Puertorriqueña de Ciencias Agrícolas	12/2024	Aguadilla, PR
Caraballo Cancel, Noami N. Plaza Delestre, Maria L., Zamora Echevarría, Jose and Orellana Feliciano, Lynette. 2024. Caracterización fisicoquímica de cinco variedades de pitahaya cultivadas en PR. p. 18.	SOPCA Memorias de la 47 ^{va} Reunion Anual de la Sociedad Puertorriqueña de Ciencias Agrícolas	12/2024	Aguadilla, PR
Rivera Torres, Gabriel, Orellana Feliciano, Lynette, Plaza, Maria L., and Latorre, Magda. 2024. El uso de soluciones antimicrobiales como agentes contra microorganismos patógenos y de deterioro. p. 20.	SOPCA Memorias de la 47 ^{va} Reunion Anual de la Sociedad Puertorriqueña de Ciencias Agrícolas	12/2024	Aguadilla, PR
Department of Animal Science			

Presentations (oral or posters)			
Academic Year 2024-2025			
Reference	Forum (ej. SOPCA, international congress, etc.)	Date	Place
Impact of the Training – Welfare and Health for the Sustainable Production of Dairy Goats – on the Knowledge of Goat Farmers, Agronomists, and Students Miguelángel Torres, Ábner A. Rodríguez, and María del C. Rodríguez	SOPCA	12/13/2025	Rincon, PR
Effects of Small Ruminant Grazing on Soil Health and Surface Runoff Using Edge-of-Field Monitoring Yetzael Núñez Justiniano, Mario L. Flores Mangual, Pedro J. Resto, José Lugo Ortiz, and Abner A. Rodríguez	SOPCA	12/13/ 2025	Rincon, PR
Grazing Behavior of Ewes in Restricted Pasture of Naturalized Tropical Grasses Isabel Claudio, Alexandra Ramírez, Paula Nieves, John Fernández, and Abner A. Rodríguez	SOPCA	12/13/2025	Rincon, PR
Effects of Grazing Movement Patterns of Small Ruminants on Soil Erosion and Compaction Yaneisha L. González Rivera, Mario Flores Mangual, and Yetzael Núñez Justiniano	SOPCA	12/13/2025	Rincon, PR
Weight Gain of Intact and Castrated Lambs Grazing with Supplementation and High-Grain Diets Jetzairy Irizarry Soto, John Fernández Van Cleve, and Abner A. Rodríguez	SOPCA	1213/2025	Rincon, PR
Implementation of New Artificial Insemination Techniques in Small Ruminants Zahylis Maldonado, Karla Ormaza, Abner A. Rodríguez, Verónica M. Negrón, and John Fernández Van Cleve	SOPCA	12/13/2025	Rincon, PR
Department of Agricultural and Biosystems Engineering			
Exploring the impact of small landslides on sediment yield in Western Puerto Rico.	Seminario UNESCO – "Riesgos Multi-Amenazas en América"	01/24/2025	Online - LATAM
Cosecha de Agua de Lluvia: ¿Innovación en Gestión Hídrica...?	Diplomado Internacional en Economía Circular / Módulo VIII - Desarrollo Sostenible y Economía Circular, una ruta hacia ciudades sostenibles.	12/05/2024	Online - LATAM
Department of Agricultural Economics and Rural Sociology			
Alwin J. Jiménez Maldonado	Agricultural Week Challenge	06/14/2024	UPRM-CAS
Alwin J. Jiménez Maldonado	Farm Management Training	08/21/2024 08/28/2024	AES -Coamo & Gurabo

Presentations (oral or posters)			
Academic Year 2024-2025			
Reference	Forum (ej. SOPCA, international congress, etc.)	Date	Place
		09/04/2024 09/11/2024 09/18/2024 09/27/2024	
Alwin J. Jiménez Maldonado	Farm Management Training	09/18/2024 09/25/2024 10/02/2024 10/09/2024 10/16/2024 10/23/2024	AES - Moca
Alwin J. Jiménez Maldonado	Welcome & orientation for new students on the topic of Agricultural Economics and Agribusiness	08/01/2024	UPRM-CAS
Alwin J. Jiménez Maldonado	Open House RUM	10/24/2024	UPRM
Alwin J. Jiménez Maldonado	Conference on Sustainable Risk Management in the Agricultural Business (Centro Empresarial Mujer en Agricultura – CEMA)	11/15/2024	UPRM-CAS
Alwin J. Jiménez Maldonado	Open House: Graduate Studies	02/06/2025	UPRM
Alwin J. Jiménez Maldonado	Agroplug	03/27-29/2025	UPRM
Alwin J. Jiménez Maldonado	Academy for School Counselors	04/03/2025	UPRM-AES
Alwin J. Jiménez Maldonado	Open House for incoming new students (Fall 2025)	05/17/2025	UPRM - CAS
Alwin J. Jiménez Maldonado	Farm Management Training	05/08/2025 05/15/2025 05/22/2025 05/29/2025 06/05/2025 06/12/2025	UPR Utuado
Alwin J. Jiménez Maldonado	Farm Management Training	05/15/2025 05/22/2025 05/29/2025 06/05/2025 06/12/2025 06/18/2025	AES -Coamo & Gurabo
Héctor Tavárez	El efecto de los aranceles en la seguridad alimentaria de Puerto Rico. Discussion panel presented at the 5 th Congress of Applied Economics of Puerto Rico held at Mayagüez, Puerto Rico. 5 th Conference of Applied Economics	5/9/2025	UPR- Mayaguez

Presentations (oral or posters)			
Academic Year 2024-2025			
Reference	Forum (ej. SOPCA, international congress, etc.)	Date	Place
Héctor Tavárez	Evaluación sobre las percepciones ambientales y el uso de espacios recreativos en el Bosque del Cerro las Mesas de Puerto Rico. Oral presentation presented at the 5 th Congress of Applied Economics of Puerto Rico held at Mayagüez, Puerto Rico. 5 th Conference of Applied Economics	5/9/2025	UPR-Mayaguez
Alicia Barriga	Agricultural Economics and Rural Sociology. Alternativas de Mercadeo para la carne de cordero. TAI Institute	10/03/2024	Online
Alicia Barriga, Abner Rodriguez, and Francisco Rivera	Agricultural Economics and Rural Sociology, Animal Science, and NRCS. Prácticas de conservación y sistemas silvopastoriles en fincas de productores de pequeños rumiantes en Puerto Rico. SOPCA	12/13/2024	Aguadilla, PR
Alicia Barriga and Francisco Rivera	Farmers' perceptions and Conservation Practices Adoption. Northeastern Agricultural and Resource Economics Association (NAREA) Circle of Scholars	01/30/2025	Online
Alicia Barriga	Income Statement and Cash Flow ERME: Risk Management and Emergency Preparedness in Puerto Rico	02/27/2025	Online
Alicia Barriga	How to interpret financial ratios ERME: Risk Management and Emergency Preparedness in Puerto Rico	03/06/2025	Online
Alicia Barriga	A Model for Cooperative Microgrids National Science Foundation, STORM, Winter Workshop. Alaska-Maine-UPRM Consortium	03/10/2025	Online

Presentations (oral or posters)			
Academic Year 2024-2025			
Reference	Forum (ej. SOPCA, international congress, etc.)	Date	Place
Alicia Barriga and Julio Cesar Hernández	Rural Health in Puerto Rico. 5 th Congress of Applied Economics, RUM	05/09/2025	Mayaguez, PR
Alicia Barriga and Francisco Rivera	Identification of Pasture Species and Farmers. Perceptions of Conservation Practices.	06/10/2025)	Burlington, VT
Alicia Barriga and Francisco Rivera	Economic and Ecological Perceptive on Conservation Adoption by Livestock and Coffee Producers in Puerto Rico. Soil and Water Conservation Society Annual Conference	08/05/2025 (upcoming)	Costa Mesa, CA
Leticia Gayol Santana	“Procesos de Informes de Progreso y cierre de Proyectos de Investigación”, Conversatorios con Administradores EEA	11-25-2024	Virtual
Department of Agricultural Education			
Dr. Aníbal Ruiz Lugo PEARS Software: Workshop for evaluating action plans	PREAS, STAFF	3/2025	Mayagüez, PR
Dr. Aníbal Ruiz Lugo Working with PEARs: Questions & answers support	PRAES, Extension Faculty	3/2025	Online
Dr. Aníbal Ruiz Lugo Education for Change: Building Peace through Collective Engagement	Peace Talks: Puerto Rico and Colombia	2/2025	Online
Dr. Aníbal Ruiz Lugo Recommended Protocols for visits to farms by Extension workers in emergency situations: Avian fever	Agricultural Extension Faculty Agents	1/2025	Online
Dr. Aníbal Ruiz Lugo PEARS Software: Workshop for action plans	PRAES Faculty & Specialists	1/2025	Mayagüez, PR
Dr. Aníbal Ruiz Lugo Level of ecological intelligence in participants of the educational programs of the Puerto Rico Agricultural Extension Service (PRAES) and according to their age, gender and schooling	Association for International Agricultural and Extension Education (AIAEE)	11/2024	Inverness, Scotland
Dr. Aníbal Ruiz Lugo PEARS software Training: On boarding Action plans	PRAES Southwest Region	11/2024	Lajas, PR
Dr. Aníbal Ruiz Lugo PEARS software Training: On boarding Action plans	PRAES Northeast Region	11/2024	Rio Piedras, PR

Presentations (oral or posters)			
Academic Year 2024-2025			
Reference	Forum (ej. SOPCA, international congress, etc.)	Date	Place
Dr. Anibal Ruiz Lugo PEARS software Training: On boarding Action plans	PRAES Southeast Region	11/2024	Juana Díaz, PR
Dr. Anibal Ruiz Lugo PEARS software Training: On boarding Action plans	PRAES North Central Region	11/2024	Camuy, PR
Dr. Anibal Ruiz Lugo PEARS software training. Introduction to new platform	PRAES North Central Region	8/2024	Lajas,PR
Dr. Anibal Ruiz Lugo PEARS software training. Introduction to new platform	PRAES North Central Region	9/2024	Lares, PR
Dr. Anibal Ruiz Lugo, PEARS software training. Introduction to new platform	PRAES Southwest Region	9/2024	Lajas, PR
Dr. Anibal Ruiz Lugo PEARS software training. Introduction to new platform	PRAES Northeast Region	9/2024	Río Piedras, PR
Dr. Anibal Ruiz Lugo PEARS software training. Introduction to new platform	PRAES Faculty & Specialists	8/2024	Lajas ,PR
Dr. Anibal Ruiz Lugo PEARS software training. Introduction to new platform	PRAES Southeast Region	8/2024	Juana Díaz ,PR
Dr. Janis Del Rosario Morales What is an educational capsule? How can it be used to present 4-H projects?	Virtual Office Positive Development 4- H TEAMS	2/8/2024 2/15/2024 3/7/2024	Online-TEAMS
Dr. Janis Del Rosario Morales Workshop: Theater as an Educational Strategy “La venta del bacalao rebelde”	Induction Training	5/29/2024	Holiday Inn Hotel- Mayaguez, PR
Dr. Janis Del Rosario Morales Bugs and Fungi Theatrical Masks	Bug and Fungi 4-H Summer Camp	6/26, 6/27, 6/28/2024	University of PR Mayaguez Campus Finca Alzamora
Dr. Janis Del Rosario Morales 4-H Thriving Model: Positive Youth Development	Master Class	10/29/2024	University of PR Mayaguez Campus
Dr. Janis Del Rosario Morales Drama Rolling Theatre 4-H	Orientation and Recruitment during the Induction Ceremony	7/31/2024	University of PR Mayaguez Campus
Dr. Janis Del Rosario Morales Drama Rolling Theatre “La venta del bacalao rebelde” and My Healthy Plate	Middle School	10/8/2024	Middle School Segunda Unidad David Antorgiorgi
Dr. Janis Del Rosario Morales National 4-H Congress: Cooperative and Competitive Games through the Fine Arts	4-H National Congress	12/1/2024	Hyatt, Atlanta Georgia

Presentations (oral or posters)			
Academic Year 2024-2025			
Reference	Forum (ej. SOPCA, international congress, etc.)	Date	Place
Dr. Janis Del Rosario Morales Cooperative and Competitive Games through the Fine Arts	Workshop: Family and Consumer Sciences Educator	12/3/2024	Arecibo, PR
Dr. Janis Del Rosario Morales Cooperative and Competitive Games through the Fine Arts	Workshop for 4-H Volunteer Leaders	1/27/2205	Aguadilla, PR Escuela Superior
Dr. Janis Del Rosario Morales A Gathering with Youth: Theater in Older Adults Cooperative and Competitive Games through the Fine Arts. The experience in Atlanta Georgia with youth students 4-H	Workshop	04/03/2025	Chapel Theater Mayaguez, PR
Prof. Gloriselle Negrón Home storage, filtration, and disinfection to produce drinking water	Garden Club	10/8/2024	San Juan
Prof. Gloriselle Negrón Dealing with natural disasters in the Puerto Rican urban forest	PRAES' personnel	10/16/2024	Mayagüez
Prof. Gloriselle Negrón Dealing with natural disasters in the Puerto Rican urban forest	PRAES' personnel	10/24/2024	San Juan

Attachment V - Periodic Letters and Circulars

Periodic Letters and Circulars		
Academic Year 2024-2025		
Reference	Author	Office
Agricultural Extension Service		
5 Plantas Medicinales y sus Beneficios.	Jose Arocho	Yabucoa
Alerta ante el gusano barrenador del nuevo mundo.	Profa. Yahaira Torres-Burgos	Juana Díaz
Bioseguridad en Finca (artículo en Revista SEA)	Grecia Rosario	UE Gurabo- Juncos
Enfermedades en la Calabaza	Prof. Armando Sánchez	Patillas-Arroyo-Guayama
Enfermedades en la Yautía	Prof. Armando Sánchez	Patillas-Arroyo-Guayama
Enmiendas Calizas Corrección de Suelos Ácidos	Prof. Armando Sánchez	Patillas-Arroyo-Guayama
Establecimiento de Pasturas mejorada en Terrenos con Presencia de Yerba Venezolana (<i>Paspalum fasciculatum</i>).	Jose Arocho	Yabucoa
Hablemos de la carne – Parte 1	Profa. Yahaira Torres-Burgos	Juana Díaz
Huerto Casero Ecológico (artículo en Revista SEA)	Grecia Rosario	UE Gurabo- Juncos
Manejo de la Semilla de Ñame.	Jose Arocho	Yabucoa
Presupuesto Modelo para el Establecimiento de un Apiario en Puerto Rico, 2024.	Planell, Manrique; Cortés, Mildred; Bonilla Hilda	Arecibo, Vieques & Mayagüez
Department of Agroenvironmental Sciences		
Día Internacional de los Bosques 2025: Celebrando los bosques y los alimentos	González Miranda, Sally	SEA CP-01-2025
Publicación de Hoja Educativa: Importancia y Beneficios de los Bosques Maduros en América Tropical, Incluyendo Puerto Rico y las Islas Vírgenes.	Rivera, Dania Varios Sin Autor en la hoja.	SEA
Detección de <i>Omalodes</i> sp. en colmenas ferreles. Carta circular.	Edda L. Martínez	SEA
<i>Omalodes</i> sp. Hoja Informativa.	Edda L. Martínez	SEA
Estrategias para el manejo de la marchitez súbita de la sandía “Watermelon vine decline”.	Ermita Hernández Heredia, PhD Sofía Macchiavelli Girón, PhD Irma Cabrera Asencio, PhD Consuelo Estévez de Jensen, PhD	SEA-EEA
Department of Agricultural Economics & Rural Sociology		
Success story: Sowing a Future for Land Conservation in Puerto Rico: An Interagency Collaboration Bearing Fruit for Agriculture. 2025. https://www.nrcs.usda.gov/state-offices/caribbean-area/news/sowing-a-future-for-land-conservation	NRCS	NRCS

Periodic Letters and Circulars		
Academic Year 2024-2025		
Reference	Author	Office
FinCEN Beneficial Owner Information (BOI) Report	Dr. Felipe Veluk Gutierrez	AES
Review of Educational Materials: Program Area - Community Resource Development	Dr. Felipe Veluk Gutierrez	AES
Department of Agricultural Education		
(August 2024). Physical Activity for ESBA (Eating Smart Being Active). Circular Letter No. 2-2024-25. EFNEP-SEA.	Dr. Lorna I. Campos	Expanded Food and Nutrition Education Program (EFNEP) SEA – UPR- RUM
(November 2024). Basic Aspects of Intermittent Fasting. Periodic Newsletter No. 1-2024-25. EFNEP - SEA.	Dr. Lorna I. Campos	Expanded Food and Nutrition Education Program (EFNEP) SEA – UPR- RUM
(October 2024). Clarifications to the teaching guides for lessons 4 to 6 of the ESBA course. Circular Letter No. 5-2024-25. EFNEP-SEA.	Dr. Lorna I. Campos	Expanded Food and Nutrition Education Program (EFNEP) SEA – UPR- RUM
(October 2024). Ways to combat food insecurity. Circular Letter No. 4-2024-25. EFNEP-SEA.	Dr. Lorna I. Campos	Expanded Food and Nutrition Education Program (EFNEP) SEA – UPR- RUM
(September 2024). Clarifications to the teaching guides for lessons 1 to 3 of the ESBA course. Circular Letter No. 3-2024-25. EFNEP-SEA.	Dr. Lorna I. Campos	Expanded Food and Nutrition Education Program (EFNEP) SEA – UPR- RUM
(October 2024). Ways to combat food insecurity. Circular Letter No. 4-2024-25. EFNEP-SEA.	Dr. Lorna I. Campos	Expanded Food and Nutrition Education Program (EFNEP) SEA RUM
Campos, L. (September 2024). Recommended Recipes for the ESBA Course 2024-2025. Circular Letter No. 3-2024-25. EFNEP-SEA.	Dr. Lorna I. Campos	Expanded Food and Nutrition Education Program (EFNEP) SEA – UPR- RUM
Campos, L. (September 2024). Recommended Recipes for the ESBA Course 2024-2025. Circular Letter No. 3-2024-25. EFNEP-SEA.	Dr. Lorna I. Campos	Expanded Food and Nutrition Education Program (EFNEP) SEA – UPR- RUM
Campos, L. (Feb, 2025). Food unites us. Circular letter No.7- 2024-25. EFNEP SEA.	Dr. Lorna I. Campos	Expanded Food and Nutrition Education Program (EFNEP) SEA – UPR- RUM
Campos, L. (April 2025). Gluten-free diet. Periodic Newsletter No. 2-2024-25. EFNEP - SEA.	Dr. Lorna I. Campos	Expanded Food and Nutrition Education Program (EFNEP) SEA – UPR- RUM
Species tree selection for communities	Professor Gloriselle Negrón	SEA, Río Piedras
Phytoremediation for nanoplastics and microplastics pollution control	Professor Gloriselle Negrón	SEA, Río Piedras

Periodic Letters and Circulars		
Academic Year 2024-2025		
Reference	Author	Office
Lead in drinking water	Professor Gloriselle Negrón	SEA, Río Piedras
Know your ambient air quality conditions	Professor Gloriselle Negrón	SEA, Río Piedras
Biochar	Professor Gloriselle Negrón	SEA, Río Piedras
Why my drinking water is white?	Professor Gloriselle Negrón	SEA, Río Piedras
Environment: Natural gas	Professor Gloriselle Negrón	SEA, Río Piedras
Light pollution: Law 2018 of 2008 amendments of 2025	Professor Gloriselle Negrón	SEA, Río Piedras