

CURRICULUM VITAE

I. PERSONAL DATA

NAME Elvin Román Paoli

JOB ADDRESS Department of Agroenvironmental Sciences
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II. EDUCATIONAL BACKGROUND:

1997 Ph.D. Agronomy, Crop Simulation, Kansas State University.
1990 M.S. Agronomy and Soils, Mayagüez Campus, UPR. 1987
B.S.A. *Cum Laude* Agronomy and Soils, Mayagüez Campus, UPR.

III. EMPLOYMENT (YEAR AND POSITION)

August 12, 2017 to present – Acting Dean and Director, College of Agricultural
Sciences. August 15, 2016 to August 12, 2017 – Head, Department of
Agroenvironmental

Sciences, College of Agricultural Sciences. UPR. August 16, 2013 to August
15, 2016 – Interim Head, Department of Agroenvironmental

Sciences, College of Agricultural Science. UPR. August 16, 2013 to August 15,
2016 – Interim Head, Department of Agroenvironmental

Sciences, College of Agricultural Science. UPR. June 2011 to June 14, 2013 -
Associate Dean and Deputy Director, Agricultural

Experiment Station, College of Agricultural Science. UPR. November 2, 2009 to
June 2011 – Interim Associate Dean and Deputy Director,

Agricultural Experiment Station, College of Agricultural Science. UPR March,
2009 to Present – Professor, Department of Agroenvironmental Sciences

Agricultural Experiment Station, College of Agricultural Science. UPR. July 1,
2006 to March, 2009 – Professor, Department of Agronomy and Soils,

Agricultural Experiment Station, College of Agricultural Science. UPR. August 1, 2005 to June 30, 2006 - Associate Professor, Department of Agronomy and Soils, Agricultural Experiment Station, College of Agricultural Science. UPR. 2001 to July 30, 2005 - Associate Researcher, Department of Agronomy and Soils,

Agricultural Experiment Station, College of Agricultural Science. UPR. 1998 to August 30, 2002 - Director of Lajas Substation, College of Agricultural Science. RUM. 1997 to 2001 - Assistant Researcher, Department of Agronomy and Soils, Agricultural

Experiment Station, College of Agricultural Science,
UPR.

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1994 to 1997 - Research Technician (under study leave), Kansas State University,

Manhattan, Kansas. Sept.15, 1990 to 1994 - Research Assistant, Department of Agronomy and Soils,

Agricultural Experiment Station, College of Agricultural Science, UPR. March 3, 1990- Sept. 15, 1990 - Research Technician, Department of Agronomy and Soils, UPR. 1987-1990 - Laboratory Instructor, Department of Agronomy and Soils, Mayagüez

Campus,
UPR.

IV.

PUBLICATIONS

Tirado-Corbalá, R, D. Rivera-Ocasio, A. Segarra-Carmona, E. Román-Paoli, and A. González. **2018**. Performance of Two Citrus Species Grafted in Different Rootstocks in Presence of Huanglongbing in Puerto Rico. *Horticulturae* 2018, 4(4) 38. Tirado-Corbalá, R., L. Y. López-Ramos, E. Valencia, and E. Román-Paoli. 2018. Yield, decomposition, mineralization and nitrification of annual legumes in an Oxisol. *Agronomy*. 8(11) 244.

Vásquez Rojas, L., R. Tirado Corbalá, R. Vargas Ayala, E. Román-Paoli y D. Rivera Ocaso. 2018. Presencia e identificación de grupos funcionales de nematodos en diferentes patrones de cítricos en el noroeste de Puerto Rico. *J. of*

Agric. of the Univ. of Puerto Rico. 102(1-2):107-112.

Acevedo, M., E. Román-Paoli, F. Román-Pérez, E. Valencia, and R. Tirado-Corbalá, (2017). Pineapple growth and yield response to fertilizer and drip irrigation management. J. of Agric. Univ. of Puerto Rico, 101(2), 203-223. Correll, M. J., L. Zhang, S. A. Gezan, C. E. Vallejos, J. W. Jones, K. J. Boote, J.A. Clavijo Michelangeli, M. Bhakta, J.M. Osorno, I. Rao, S. Beebe, E. Román-Paoli, A. Gonzalez, J. Beaver, J. Ricaurte, and R. Colbert. 2017. Development of a QTL-environment-based predictive model for node addition rate in common bean. Theoretical and Applied Genetics. 130(5):1065-1079. Román-Paoli, E. 2012. Riego, In Lugo, W. (ED) Conjunto tecnológico para la producción de Calabaza. Agricultural Experiment Station, University of Puerto Rico. Publication 155: P 25-38. Esteves, M., E. Román-Paoli, J. Beaver, M. Muñoz, A. Armstrong 2012. Determinación de coeficientes genéticos en tres variedades y un híbrido de maíz. J. of Agric. Univ. of PR. (96:1-2), 57-75. Román-Paoli, E., S. Martínez-Garrastazú, L. Flores, L. Almodóvar, 2012 Evaluating pumpkin response to microirrigation in two agroecological regions. J. of Agric. Univ. of PR. (96:3-4).P 139-153). Santos, A., E. Valencia, E. Román-Paoli, R. Ramos Santana. 2011. Epocas de siembra y fecha de cosecha afectan el rendimiento de materia seca de *Crotalaria juncea* L. 'Tropic Sun' en el noroeste de Puerto Rico. J. of Agric. Univ. of PR. (95:3-4)179- 192.

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Santos, A., E. Valencia, E. Román-Paoli, R. Ramos Santana. 2011. Época de siembra y fecha de corte y su efecto en la producción de biomasa y contribución de Nitrógeno de *Crotalaria juncea* L. 'Tropic Sun' en el suroeste de Puerto Rico. PR. J. Of Agric. Univ. of PR. (95:3-4) 169-178. Sotomayor-Ramírez, D., E. Román Paoli, L. E. Rivera, Y. Li and P. J. Stoffella. 2010. Tomato (*Solanum lycopersicum* L.) response to fertilizer nitrogen and compost. J. of Agric. Univ. PR. 94(1-2):79-103. Román-Paoli, E., F. Román Pérez, J. Zamora Echevarría 2009. "Evaluation of microirrigation levels for growth and productivity of avocado trees". J. of Agric. Univ. PR 93(3-4):173-186. Román-Paoli, E., 2007. Implementación de modelos de simulación en la Agricultura. Ciencias fitotécnicas, producción animal, biología animal. 3(1) P22-23. Facultad de Ciencias Agrícolas, Hispanic Serving Institution Program, CSREES, USDA. Ruíz

Vargas, C., E. Román-Paoli, M. de L. Lugo, N. Semidey. 2007. Tiempos de aplicación de Oxyflourfen y Halosulfuron-Methyl y su control de malezas en Cebolla (*Allium cepa* L.) J. of Agric. Univ. P.R. 91 (3-4). Román-Paoli, E., D. Sotomayor-Ramírez. 2006. New Fertigation Recommendations for Cassava on Non-Traditional Production System. Proc. 42 Annual Meeting. Caribbean Food Crop Society. P.437-442. Román-Paoli, E., F. Román. 2006. Evaluation of soil moisture levels on growth and productivity of young citrus trees. Proc. 42 Annual Meeting. Caribbean Food Crop Society. P.380-386. Román-Paoli, E., D. Sotomayor-Ramírez. 2004. Soil conditioner efficacy on Lajas Valley sweet corn production. J. of Agric. Univ. P.R. 88 (3-4):97-108. Sotomayor-Ramírez, D., A. González, and E. Román-Paoli. 2003. Yam (*Dioscorea* spp.) response to fertilization in soils of the semiarid southern coast of Puerto Rico. J. Agric. Univ. P.R. 87(3-4): 91-103. Román-Paoli, E., L. E. Rivera, A. Armstrong, and G. Fornaris. 2001. Preliminary evaluation of commercial hybrids and open pollinated eggplant cultivars. J. Agric. Univ. P.R. 85(1-2):91-95. Wintermantel, W. M., J.E. Polston, J. Escudero, and E. Román-Paoli. 2001. First report of tomato chlorosis virus in Puerto Rico. Plant Dis. 85(2): 228. Román-Paoli, E., S. Welch, and R. Vanderlip. 2000. Comparing genetic coefficients estimation methods using the CERES-Maize model. Agricultural Systems. 65:29- 47. Rossy, J., E., Román-Paoli, S. Martínez-Garrastazú, and L. E. Rivera. 2000. Effect of controlled water regimes on pumpkin growth. Proc. 36 Annual Meeting, Caribbean Food Crop Society. Sotomayor, D., E. Román-Paoli, and L.E. Rivera. 2000. Tomato (*Lycopersicum esculentum* Mill.) response to biosolid yard-waste compost. Proc. 36 Annual Meeting, Caribbean Food Crop Society. 36:81-86. Phillips, A., E. Román-Paoli, C. Almodóvar, J. Santana. 1999. Subsurface drip irrigation on vegetable crops in Puerto Rico. Presented in ASAE International Meeting, Paper number 992249, Toronto, Ontario Canada. Román-Paoli, E., L. E. Rivera, and A. Armstrong. 1993. Eggplant cultivar trials. 1993 Biannual report of vegetable research in the United States, Hawaii, and Puerto

Spokane, Washington. Román-Paoli, E., S. Martínez-Garrastazú, O. Colberg, R. Vélez y G. Ruíz. 1992. Evaluación de variedades de melon y sandía. Memorias del Foro Técnico: El cultivo de cucurbitáceas. Estación Experimental Agrícola. Román-Paoli, E. and H. Lugo Mercado. 1990. Effect of irrigation levels on yield and incidence of tanier root rot syndrome. Proc. 26 Annual Meeting. Caribbean Food Crop Society. P.427-433.

V. RESEARCH PROJECTS

Lead
er

Microirrigation: A Sustainable Technology for Crop Intensification and Improved Crop Productivity. 2019 to 2024 (H-402 – W-4128-USDA-NIFA).

Determinación de prácticas adecuadas con fines de aumentar la producción de semilla de piña bajo condiciones de campo (ZFIDA-33). 2016-18. Departamento de Agricultura de Puerto Rico.

Scaling Microirrigation Technologies to Address the Global Water Challenge. 2014 to 2019 (H-402 – W-3128-USDA-NIFA).

Microirrigation for sustainable water use, 2010 to 2014 (H-402 – USDA-NIFA).

Evaluación de sistemas de fertilización no-convencionales en piña y cítricas. (ZFIDA06)

Departamento de Agricultura de Puerto Rico.

Reduction of barriers to adoption of microirrigation, 2004 to 2009 (H-402).

Preliminary evaluation of better management practices on pineapple production 2007 to

2009

(SP-424). Implementation of simulation models for productivity productions in the Caribbean. 2003 to

2006 (T-STAR 99). Nebraska and Schillinger Seed Soybean Winter Nursery, 2001 to 2005 (Z-108, Z-142).

Effect of soil conditioners (Barbary-Plante) on maize yield. 2001 (Z-149).

Irrigation management on crop of economic importance. 2001 to 2003 (SP-369).

Effect of controlled water regimes on pumpkin growth and yield. 1998 to 2002 (T-STAR-71)

Eggplant variety trials 1993 to 1994 (H-94G).

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Co-lead
er

Evaluation of different trellis methods to develop off-season floral induction of several Pitahaya

(Hylocereus undatus) varieties
(H-493).

Cover crops and precision agriculture management effects on giant key lime (*Citrus aurantifolia*)

grown on contrasting soil types
(H477).

Optimizing tech. and economic aspects of prop., transpl. and infield pre-productive growth of

achachairú

(H-455).

Development of a Gene-Based Ecophysiology Model
(ZNSF-1).

Lajas Agricultural Experiment Station Seed Program
(C-519).

Quality protein maize for swine production in Puerto Rico. 2006 to 2009
(T-STAR 114).

N availability in vegetable systems amended with biosolid yard waste compost 1999 to
2002 (T-

STAR-75). Yam response to N and K in southern Puerto Rico.
2000 to 2002 (SP-341).

Development of tomato resistant to whitefly transmitted Geminivirus. 1998 to 2001
(Z-114).

Subsurface drip irrigation for crop production in Puerto Rico. 1997 to 2000
(Z-111).

Microirrigation in horticultural crops in the humid region: peppers 1992 to 1994
(H-365).

COLLABORATO
R

Rendimiento de nutrientes en un sistema de siembra de maíz y mucuna 2006 to 2008
(SP-401).

Bacterial diseases on edible crops and ornamentals plants in Puerto Rico
2003 (H-369)

Vegetable crops variety evaluation in Puerto Rico. 1999
(SP-334).

Cucumis melo and *Citrulus lanatus* variety trials. 1992

(H-94).

Crop development and yield as affected by physical soil properties and management practices.

1990 to 1994
(H-321).

Insecticide evaluation in cabbage and pumpkins 1991 to 1994
(H-216).

Sugarcane Breeding. 1990 to 1993
(H-38).

Herbicide evaluation in pigeon pea (*Cajanus cajan*). 1990
(H-216).

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Effect of irrigation levels on yield and incidence of tanier (*Xanthosoma* spp.) root-rot syndrome

1987-1990. (CBAG
25).

VI. FUNDED RESEARCH GRANTS

Evaluation of different trellis methods to develop off-season floral induction of several Pitahaya

(*Hylocereus undatus*) varieties
(H-493).

Determinación de prácticas adecuadas con fines de aumentar la producción de semilla de piña bajo condiciones de campo (ZFIDA-33). 2016-18. Departamento de Agricultura de Puerto Rico.

Barragán, J., E. Román Paoli, M. Muñoz, and F. Ferwerda. 2014. Optimizing technical and economic aspects of propagation, transplanting and infield pre-productive growth of

Achachairú (*Garcinia gardneriana*) (H-455).

Vallejos, C. E., J. Jones, K. Boote, James Beaver, E. Román-Paoli and J. Osorno 2009.
Development of a Gene-Based Ecophysiology Model.
(NSF-01).

Román Paoli, E. F. Román-Pérez, M. Zapata, J. O'Hallorans, J. Zamora, J. Ortiz. 2009.
Evaluación de sistemas de fertilización no-convencionales en piña y cítricas.
(ZFIDA06).

Proyecto colaborativo para la promoción y establecimiento de siembras de maíz en
el Valle de
Lajas. EEA.
(C-514).

Preliminary evaluation of better management practices on pineapple production
(SP-424).

Quality protein maize for swine production in Puerto Rico. 2005. T-STAR, Co-Principal
Investigator (T-STAR
114).

Rendimiento de nutrientes en un sistema de siembra de maíz y mucuna. 2005.
Co-Principal
Investigator
(SP-401).

Reducing barriers to adoption of microirrigation. 2004. USDA Regional Project W-128
January
2004, Co-Principal Investigator.
(H-402).

Implementation of simulation models for productivity predictions in the Caribbean. 2003.
T-
STAR, Principal Investigator.
(TSTAR-99).

Bacterial diseases on edible crops and ornamentals plants in Puerto Rico. 2003

Co-Principal
Investigator
(H-369).

Irrigation management on crop of economic importance. 2003.
(SP-369).

Enhancement of the microbe biotechnology and biodiversity laboratory for research in plant, food and environmental issues. December 2000. EPSCoR-NSF (MRI),
Co-Principal Investigator.

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Curriculum vitae Dr. Elvin Román Paoli

Yam response to N and K fertilization in soils of the semiarid Southern Coast of Puerto Rico.

Co-Principal Investigator
(SP-347).

Irrigation management on crops of economic importance. 1999. Principal Investigator
(SP-329).

Tomato fertilization practices in system amended with municipal solid waste compost.
1998 T-

STAR. Co-Principal Investigator (TSTAR
-75).

Tomato fertilization practices in system amended with municipal solid waste compost.
1998

AES-UPR special project. Co-Principal Investigator
(SP-320).

Effect of controlled water regimes on pumpkin growth and development. 1997. T-STAR
-

Principal Investigator
(CBAG-71).

Development of tomato resistant to whitefly transmitted Geminivirus, 1997. T-STAR. As a

subcontract with University of Florida. Co-Principal Investigator (Z-114-C).

VII. PROPOSALS SUBMITTED (NOT FUNDED).

Rebecca Tirado Corbalá. Co-PI: Mario Flores Mangual. Collaborators- Miguel Muñoz-Muñoz, Julia M. O' Hallorans y Elvin Román Paoli. 2019. Assessment of no-tillage and conventional tillage practices on cover crops and rotation of vegetables crops growing in contrasting soil types.

Merari Feliciano, Elvin Román Paoli, Jesús Cardona, Luis R. Conty. 2016 Evaluación de variedades de caña de azúcar para la detección de patógenos de importancia económica.

Snyder, V. E. Román Paoli, E. Irizarry. 2009. Validation and use of Soil Survey estimates of plant-available water and FAO crop water requirement criteria for water-efficient irrigation management in Puerto Rico. NRCS.

Ruíz, T. M., E. Román Paoli, J. Beaver, D. Sotomayor Ramírez. 2009. Validación de un sistema sustentable de producir forraje de maíz para mejorar la rentabilidad de la producción de leche en Puerto Rico. FIDA

Sotomayor Ramírez, D., J. Beaver, E. Román Paoli, W. Almodóvar, A. González. 2009. Evaluation of cover crop-sweet potato-yam agricultural production systems of the tropics. Fondos Hatch

C. E. Vallejos, J. Jones, K. Boote, James Beaver, E. Román-Paoli and J. Osorno 2008. TRPGR – Development of a Gene-Based Crop Model. NSF.

Bruce Schaffer, K. W. Migliaccio, R. Goenaga, J. Crane, J. P. Morales-Payán, F. S. Davies, E. Román-Paoli, Y. Li, T. Irani, A. J. Palmateer, G. Israel, J. Zamora-Echevarria. 2009. Sustainable Practices and Smart Irrigation Technology for

Tropical Fruit Production: Research with Stakeholder Dividends. National Research Initiative Funds.

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Curriculum vitae Dr. Elvin Román Paoli

Zapata, M., José Carlos Rodrigues, and Elvin Román Paoli. 2009. Diseases and management practices for the aroids *Xanthosoma spp.* and *Colocasia esculenta* in Puerto Rico. Hatch Funds.

M. Zapata, E. Román Paoli, F. Román-Pérez, J. Zamora. Prevention of new and emerging diseases on pineapple by using improved management practices in Puerto Rico – TSTAR.

Sotomayor Ramírez, D., E. Román Paoli, Use of NLEAP-GIS for assessment of nitrogen loss

pathways in pasture- and corn-forage cropping systems.
NRCS.

Validation and use of Soil Survey estimates of plant-available water and FAO crop water

requirement criteria for water-efficient irrigation management in Puerto Rico.
NRCS

Use of slow release fertilizer as Best Management Practices (BMP) for the improvement of

Orange Orchards,
NRCS.

Increasing pineapple productivity with improved management practices. 2006. T-STAR,

Principal Investigator (program
closed).

Nitrogen and irrigation management for grape and cherry tomatoes grown in the BMP era. 2006

T-STAR. Co-Principal Investigator (program

closed).

Use of Best Management Practices (BMP) for the Establishment of Citrus Orchards in Puerto

Rico. 2006 NRCS Co-Principal Investigator .

Identification of rRNA ribogroups of copper resistant bacteria and strategies for diseases control

on pepper. 2003 T-STAR. Co-Principal Investigator.

Manejo de riego óptimo en china, aguacate y calabaza, Department of Agriculture, Commonwealth of Puerto Rico, 2001. Principal Investigator.

Calibrated soil testing to determine fertilizers requirement in tanier (*Xanthosoma* spp.).1998.

Hatch funds. Co-Principal Investigator.

Effect of soil moisture status on growth and development of young citrus orchards. Principal

Investigator. 1998. AES-UPR special project.

Microirrigation techniques for horticultural crops with recycled water in the Virgin Islands and

Puerto Rico. 1998 Co-Principal Investigator.

Tomato fertilization practices in system amended with municipal solid waste compost.1997.

(subcontract with University of Florida). Co-Principal Investigator.

Innovative management of *Xanthosoma* spp. in nontraditional area of Puerto Rico. 1992.

Principal
Investigator.

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VIII.
PRESENTATIONS

FIRST AUTHOR WITH
ABSTRACT

Reseña de la investigación en microriego para PR y EU auspiciada por USDA-NIFA. Taller de Microriego: Logros y enseñanzas del proyecto regional H-402 (W3128), 24 de mayo de 2019. Subestación de Isabela. Oral.

Respuesta de algunos frutales al manejo de agua por microriego. 24 de mayo de 2019. Subestación de Isabela. Oral.

Contenido de nitrato en el suelo de una plantación de aguacates bajo microriego. Reunión Anual SOPCA. 2016.

Respuesta de lima Tahití a varios métodos de fertilización. 58th PCCMCA Annual Meeting. April 22-26, 2013. La Ceiba, Honduras. Poster.

Preliminary evaluation in Tahití lime (*Citrus latifolia*) of selected fertilization methods. 48th Annual Meeting, Caribbean Food Crop Society, May 20-26 2012 Quintana Roo, México. Poster.

Increasing pineapple productivity with improved management practices, 46^{va} Annual Meeting,

Caribbean Food Crop Society, Boca Chica, República Dominicana. July 11-17, 2010.

Simulación de la producción local de maíz para sustituir importaciones para la alimentación de pollos parrilleros. Reunión Anual SOPCA. Sede Colegio de Agrónomos de Puerto Rico. noviembre 2009.

Performance of a Quality Protein Maize variety grown in a Vertisol. 44th Annual Meeting, Caribbean Food Crop Society, 13-18 July, 2008. Miami Florida. Poster.

Validación del Modelo CERES-Maize en el Trópico Caribeño. 43th Annual Meeting, Caribbean Food Crop Society, 11-15 September, 2007. San José, Costa Rica. Poster.

Comparación de métodos para calendarizar microriego. Reunión Científica Anual. Sociedad Puertorriqueña de Ciencias Agrícolas. 10 de noviembre de 2006, Guayanilla, PR. Oral.

New Fertigation Recommendations for Cassava on Non-Traditional Production System. 42th Annual Meeting, Caribbean Food Crop Society. 10-15 July 2006. San Juan, Puerto Rico. Poster.

Evaluación de la tensión hídrica del suelo en árboles de aguacate bajo microriego. 52th PCCMCA Annual Meeting. April 24-28, 2006. Montelimar, Nicaragua. Oral

Utilización de la simulación como herramienta para el manejo a gran escala de habichuela y maíz. 52th PCCMCA Annual Meeting. April 24-28, 2006. Montelimar, Nicaragua. Poster.

Evaluation of soil moisture levels on growth and productivity of young citrus trees. 41th Annual

Meeting. Caribbean Food Crop Society. 10-16 July 2005. Le Gosier, Guadalupe. Poster.

Genetic coefficients estimation of four tropical maize cultivars. 41th Annual Meeting, Caribbean

Food Crop Society. 10-16 July 2005. Le Gosier, Guadalupe. Oral.

Uso de tensiómetros en la programación del microriego en aguacate. Reunión Científica Anual. Sociedad Puertorriqueña de Ciencias Agrícolas. 3 de diciembre de 2004. Arroyo, PR. Poster.

Estimación de evapotranspiración en calabaza. 48th PCCMCA Annual Meeting. April 14-20,

2002. Boca Chica, Dominican Republic. Poster.

Eficacia de microriego soterrado en Hortalizas. 48th PCCMCA Annual Meeting. April 14-20,

2002. Boca Chica, Dominican Republic. Oral.

Pumpkin response to four evapotranspiration replenishment treatments. 37th Annual Meeting.

Caribbean Food Crop Society. 15-20 July 2001. Port of Spain, Trinidad & Tobago. Oral.

Comparación de microriego convencional con soterrado en hortalizas. Reunión Científica Anual

SOPCA. Nov. 17, 2000; Caguas, Puerto Rico. Oral.

Effect of controlled water regimes on pumpkin growth. 36th Annual Meeting. Caribbean Food

Crop Society. Aug 27-Sept 1, 2000; Boca Chica, Dominican Republic.

Poster.

Comparación de métodos para la estimación de coeficientes genéticos usando el modelo

CERES-Maize. 46th PCCMCA Annual Meeting. May 1-5, 2000; San Juan, P.R. Oral.

Sensitividad de CERES-Maize a variables insumos. Reunión Científica Anual SOPCA. Nov.

21, 1997; Lajas, Puerto Rico.
Oral.

Simulation of the early-planted, early-maize system in Kansas. ASA/CSSA/SSSA Annual

Meeting. Nov. 3-8, 1996; Indianapolis, Indiana.USA.
Poster.

Maize Performance in Kansas: A CERES-Maize validation. Crop Simulation Workshop. April 9-

11, 1995; Ft. Collins, Co.
Oral.

Evapotranspiration and irrigation scheduling. March 17, 1995; Manhattan, KS. Oral

Determinación del nivel óptimo de microriego en pimientos. Reunión Científica Anual SOPCA,

Dec. 3, 1993. Corozal; Puerto Rico.
Oral.

Resultados en la evaluación de variedades de melones y sandías. Foro cucurbitáceas. June 26,

1992; Lajas, Puerto Rico.
Oral.

Efectos de niveles de riego sobre el rendimiento de la yautía (*Xanthosoma sagittifolium*) y la incidencia de la podredumbre de la raíz (Mal Seco), Encuentro interdisciplinario de los investigadores del mal seco de la yautía, June 5, 1992; Mayagüez, Puerto Rico.

Oral.

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Tres variedades de caña de azúcar y varias formulaciones de abono y métodos de aplicación en la

zona de Añasco. Reunión Científica Anual SOPCA. Oct. 23, 1992;
Mayagüez. Oral.

Metodología para el registro de nuevos herbicidas en gandul. Reunión Científica Anual SOPCA,

Nov. 22, 1991; Río Piedras, Puerto Rico.
Oral.

FIRST AUTHOR WITHOUT
ABSTRACT

Producción y Cultivo de Aguacate en P.R. 3 de octubre de 2019. reunión de Empresa de Frutales.

Isabel
a.

Research Activities of UPR on Regional Project Annual Meeting, Scaling Microirrigation Technologies to Address the Global Water Challenge (W-2128). October 23-25, 2014. Holiday Inn, Nashville Tennessee. Oral.

Román Paoli. E. 2014. Fertilización de piña. Para Agricultores participantes del programa

UCAR de piña de Lajas. 29 de agosto de 2014 subestación de Lajas. Oral.

Manejo de los Sistemas de Riego y Fertilización en Frutales. 19 de marzo de 2014. reunión de Empresa de Frutales.

Corozal

La investigación en el RUM (CCA): Logros, Retos y Visión. Simposio – La investigación y labor creativa en el RUM como promotor de cambios socioeconómicos en Puerto Rico. Edificio de Administración de Empresas. 10 de mayo de 2013. Oral.

Efecto de diferentes métodos de fertilización y manejo de agua en el rendimiento del cultivo de piña y limones. Reunión de Empresa de Frutales, 3 de febrero de 2012. Subestación de Corozal. Oral.

Evaluación de métodos de fertilización (UCAR) en cítricas [lima Tahití (*Citrus latifolia*)]. 2011.

FIDA/UCAR Symposium, December 6, 2011. Río Piedras, PR.

Research Activities of UPR on Regional Project Annual Meeting, Drip irrigation for sustainable water use (W-2128). November 16-18, 2011. Ramada Hotel, Las Cruces, **New Mexico**. Oral.

Agricultural Experiment Station (AES): History and Challenges. Presentation for the

International Federation of Library Associations and Institutions (IFLA) Participants. August 19, 2011. Agricultural Experiment Station Library. Oral.

Research Activities of UPR on Regional Project, Annual Meeting Drip irrigation for sustainable water use (W-2128). November 17-19, 2010. Embassy Suites Hotel, Des Moines, Iowa. Oral.

Research Activities of UPR on Regional Project, Annual Meeting. Drip irrigation for sustainable

water use (W-2128). November 16-18, 2009. Embassy Suites Hotel, San Juan, PR. Oral.

Evaluación de tres regímenes de humedad en crecimiento y productividad de aguacate. Reunión

de Empresa de Frutales, 9 de abril de 2009. Subestación de Corozal. Oral.

Research Activities of UPR on Regional Project, Annual Meeting. Drip irrigation for sustainable

water use (W-2128). October 22-24, 2008. Portland, Oregon. Oral.

Calendarización de Microriego en Frutales y Granos. Taller: Mantenimiento y Manejo de Sistemas Agrícolas bajo microriego en Puerto Rico. Auspiciado por la EEA y SOPCA, 6 de marzo de 2008, Juana Díaz, PR. Oral.

Microriego en Cítricas. Día de Campo en Cítricas, Empresa de Frutales, Subestación de

Adjuntas, 5 de marzo de 2008.

Research Activities of UPR on Regional Project Annual Meeting, Reducing barriers to adoption of Microirrigation (W-1128). October 11-13, 2007. Ocean Resort Hotel Waikiki, Honolulu, Hawaii. Oral.

Efecto de niveles de microriego en Aguacate. Adiestramiento en Cultivo de Aguacate. Servicio

de Extensión Agrícola, Subestación de Lajas, 13 de septiembre de 2006.

Efecto de niveles de microriego en Aguacate. Adiestramiento en Cultivo de Aguacate. Servicio

de Extensión Agrícola, Subestación de Isabela, 8 de marzo de 2006. Oral.

Research Activities of UPR on Regional Project Annual Meeting, Reducing barriers to adoption of microirrigation. Hotel Amerisuites Tampa Airport. November 17, 2004. Tampa, Florida. Oral.

Research Activities of UPR on Regional Project, Annual Meeting Microirrigation: Management practices to sustain water quality and agricultural productivity. University of California- Davis October 24, 2003. Oral.

Programación del riego por goteo. II Feria Agrícola de Valle de Lajas, PR. August 29, 2003.

Reseña de la Subestación Experimental de Lajas, Actividad Educativa de Primavera, Asociación de Especialistas del SEA. Lajas, PR March 7, 2002.
Oral.

Manejo y producción de granos en el Valle de Lajas. 1^{ra} Cumbre del Valle de Lajas. June 14, 2001.
oral.

Modelos de simulación: una herramienta para la agricultura. February 26, 1998; Mayagüez, Oral.

The effect of light and water potential on stomata conductance in a heliotropic tree (*Cassia javanica*) UNEP Training Course. Sept. 3, 1991; Barbados.
Oral.

Effect of land preparation methods and fertilization rates in crop rotation. UNEP Training Course. Aug. 22, 1991; Barbados.
Poster.

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Amino acid content on sugarcane roots, leaves and stem, UNEP Training Course. Aug. 16, 1991;
Barbados.
Oral.

SECOND AUTHOR WITH
ABSTRACT

Alequín-Otero, W., R. Tirado-Corbalá, E. Valencia-Chin, E. Román-Paoli, J. Muñoz-Barreto., A. Pérez-Ortiz y L. Santana-González. 2019. Efecto del uso de plantas cobertoras en una siembra de la lima "Giant Key" (*Citrus aurantifolia*) en un Oxisol. 55ta reunión anual Sociedad Caribeña de Cultivos Alimenticios (CFCS)8-12 de julio de 2019. República Dominicana. Proyecto H-477. Santana-González, L., R. Tirado-Corbalá, E. Román-Paoli, M. Muñoz-Muñoz, J. Muñoz-Barreto., A. Pérez-Ortiz y W. Alequín-Otero. 2019. Evaluación de diferentes niveles de nitrógeno e irrigación en una siembra madura de aguacates (cv. Simmonds) en un Oxisol. 55ta reunión anual Sociedad Caribeña de Cultivos Alimenticios (CFCS)8-12 de julio de 2019. República Dominicana. Proyecto H-402. Alequín-Otero, W., R. Tirado-Corbalá, E. Valencia-Chin, E. Román-Paoli y L. Santana-González. 2019. Efecto del uso de plantas cobertoras en una siembra de la lima cv. Giant Key fertigada en un Oxisol. Taller de microriego: Logros y enseñanzas del Proyecto regional H-402 (W3128). 24 de mayo de 2019 en EEA- Isabela. Proyecto H-477. Santana-González, L., R. Tirado-Corbalá, E. Román-Paoli, M. Muñoz-Muñoz y W. Alequín-Otero. 2019. Determinación de nitrato en siembra de aguacates (cv. Simmonds) bajo diferentes niveles de fertilizantes e irrigación. Taller de microriego: Logros y enseñanzas del Proyecto regional H-402 (W3128). 24 de mayo de 2019 en EEA- Isabela. Proyecto H-402. Pérez-Ortiz, A., R. Tirado-Corbalá, E. Román-Paoli y J. Muñoz-Barreto. 2019. Uso de vehículos aéreos no tripulados para monitoreo de crecimiento de copa de siembra madura de aguacates (cv. Simmonds). Taller de microriego: Logros y enseñanzas del Proyecto regional H-402 (W3128). 24 de mayo de 2019 en EEA- Isabela. Proyecto H-402.

Tirado-Corbalá R., D. Rivera-Ocasio, A. González, and E. Román Paoli. 2016. Performance of two citrus trees grafted in five rootstocks. 62th Annual Meeting of the Interamerican Society of Horticulture for Tropical Horticulture. September 8, 2016. Añasco, Puerto Rico Tirado-Corbalá, R. E. Román-Paoli, L. Trabal, J. Muñoz, and L. Lozada. 2016. Continuous soil moisture monitoring of a mature avocado orchard (cv. Simmond) growing in an Oxisol for a precise irrigation scheduling. 62th Annual Meeting of the Interamerican Society of Horticulture for Tropical Horticulture. September 8, 2016. Añasco, Puerto Rico. Nuñez-Olivieri, J. J. Muñoz-Barreto, R. Tirado-Corbalá, T. Lakhankar, and E. Román-Paoli. 2016. Use of ground-based L-band passive survey for field scale soil moisture mapping in avocado orchard at Isabela, Puerto Rico. 2016 Southern Regional National Cooperative Soil Survey Conference. June 20-23, 2016. Rincón, Puerto Rico. Vásquez-Rojas, L. Y. Castillo-Almanzar, R. Tirado-Corbalá, R. Vargas-Ayala and E. Román-Paoli. Nematodes as bioindicators of soil health in an Oxisol under citrus production in Puerto Rico. 2016 Southern Regional National Cooperative Soil Survey Conference. June 20-23, 2016. Rincón, Puerto Rico.

Curriculum vitae Dr. Elvin Román Paoli

Prado, J. V., E. Román-Paoli, R. Tirado-Corbalá. 2015. Estudio del comportamiento hídrico en aguacate (*Persea americana* cv. "Simmond") mediante la evaluación y relación del potencial hídrico del suelo y foliar. Coamo, Reunión Anual SOPCA 13 de noviembre de 2015.

Oliveras Berrocales, M., D. Sotomayor, J. Delgado, L. P. Alegría y E. Román Paoli. 2014. Validación de "Caribbean N- index en sistemas de producción de hortalizas en el Valle de Lajas. SOPCA, 7 de noviembre de 2014. "Rincón of the SEA", Rincón. Cartel.

Zapata, M. y Román Paoli, E. 2012. Confirmación de enfermedades de origen bacteriano en piña cabezona y en la variedad M-D-2 en Lajas e Isabela, Puerto Rico. Sociedad Puertorriqueña de Ciencias Agrícolas, San Juan. PR. Poster.

Acevedo, M., E. Román-Paoli, F. Román, J. Zamora 2011. Evaluation of the effect of different methods of fertilization and water management on *Ananas comosus* (L) Merr. production in field conditions. Reunión Científica Anual. Sociedad Puertorriqueña de Ciencias Agrícolas. November 18, 2011, Ponce, PR. Poster.

Lugo W., A. González, E. Román-Paoli, N. Rafols and H. Lugo. 2008. Tillage Effects on a Crop Rotation of Yam, Eggplant, Bean And Corn in Oxisol, Ultisol and Vertisol Soils in Puerto Rico. Paper presented at the 44th CFCS meeting held in Miami, FL. 13-18 July. 2008.

Lugo W., A. González, E. Román, E. Román. 2007. Tillage residual effects on a crop rotation of taro, cabbage and eggplants in Oxisol, Ultisol and Vertisol soil in Puerto Rico. 2007. San José, PR. Paper presented at the 43th CFCS meeting held in San José, Costa Rica. 16-22 Sept. 2007.

Paez Delgado, D., L. R. Pérez Alegría, E. Román-Paoli, W. de la Torre. A comparative Study using open-top growth chamber and ambient plots to evaluate the effect of chamber microclimate in sugarcane (variety 'US 67-22-2). Reunión Científica Anual. Sociedad Puertorriqueña de Ciencias Agrícolas. 10 de noviembre de 2006, Guayanilla,

PR. Oral.

Saliceti, M., E Román-Paoli and J.S. Beaver. Repeatability of morphological & phenological traits used by the Cropgro-Dry Bean crop model. Paper presented at the Annual Meeting of the Bean Improvement Cooperative held in Newark, Delaware. 30 October to 3 November 2006.

Rodríguez Cuevas, J. and E. Román Paoli. 2005. Evaluación de tres variedades de maíz en la costa sur de Puerto Rico. Memorias Primera Jornada Científica para Subgraduados. Colegio de Agrónomos de Puerto Rico, Colegio de Ciencias Agrícolas y Sociedad de Honor de Agricultura Gamma Sigma Delta. May 19, 2005. oral

Saliceti Rivera, M.D., J.S. Beaver, E. Román Paoli and R. Geonaga. 2004. Evaluación de dos poblaciones de habichuela (*Phaseolus vulgaris* L.) utilizando el modelo de simulación CROPGRO. Paper presented at the 2005 SOPCA meeting held in Arroyo, Puerto Rico on 3 December 2004.

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Esteves, M. y E. Román-Paoli, 2004. Determinación de los coeficientes genéticos en maíz para ser utilizados en el modelo CERES-Maize. Paper presented at the 2005 SOPCA meeting held in Arroyo, Puerto Rico on 3 December 2004.

Bracete, J. M. D. Sotomayor y E. Román-Paoli, 2000. Mineralización de nitrógeno en un suelo enmendado con composta. Paper presented at the 2000 SOPCA meeting held in Caguas Puerto Rico. Nov. 16 2000.

IX. SPECIAL SERVICES TO UNIVERSITY

Academic Senator (August 2009- November
2009)

Chairman of graduate
committee:

➤➤ Wilmarie N Alequín Otero - Agroenvironmental Science Department ➤
Lorraine Santana González - Agroenvironmental Science Department ➤ René
Rodríguez Feliciano - Agroenvironmental Science Department ➤ Pedro Ferrer
Ramírez - Agroenvironmental Science Department ➤ Melissa Acevedo González –
Crop and Agroenvironmental Science Department
(graduated in May 2012) ➤ Marilis Esteves Nieves – Agronomy and Soils,
graduated on December, 2007 ➤ Lisandra López - Agronomy and Soils.
dropped on August 2004 ➤ Julio Rossy Sepulveda – Agronomy and
Soils (not graduated)

Member of graduate
committee:

➤ Yanira Miranda Cortes - Agroenvironmental Science Department - graduated
June 2019. ➤ Ana Perlera de Escalante - Agroenvironmental Science Department.-
graduated May
2018. ➤ Doriliz Martell Ruíz - Agroenvironmental Science Department.- graduated May
2017. ➤ Jose V. Prado – Agricultural Economic and Rural Sociology Department.
June, 2017. ➤ Jesús Espinosa - Agroenvironmental Science Department.-
graduated May 2016. ➤ Johanie Rivera Zayas - Crops and Agroenvironmental
Science Department - graduated in
May 2015. ➤ Miguel Oliveras Berrocales - Crops and Agroenvironmental Science
Department –
graduated in October 2014. ➤ Remy Rodríguez Chardón - Crops and
Agroenvironmental Science Department –
dropped 2013. ➤ Mabel Vega Almodóvar - Crops and Agroenvironmental Science
Department graduated
in May 2013. ➤ Abiezer González Vélez - Crops and Agroenvironmental Science
Department – graduates
May 2012. ➤ Litza López - Crops and Agroenvironmental Science Department –
graduated on May
2011. ➤ Alfredo Aponte - Crops and Agroenvironmental Science Department –
graduated on
December, 2011. ➤ Ana Santos - Crops and Agroenvironmental Science Department
– graduated on

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December, 2010. ➤ Mayrení Acevedo Class - Agronomy and Soils - dropped 2008. ➤ Dewell Paez Delgado - Agronomy and Soils - graduated summer 2007. ➤ Eillen González - Department of Biology – dropped 2006. ➤ Marcos Saliceti - Agronomy and Soils – graduated on May 2005. ➤ Carlos Javier Ruiz - Department of Crop Protection- graduated on May 2004. ➤ José Bracette - Agronomy and Soils – graduated on July 2003. ➤ Manuel Matos - Agronomy and Soils – graduated on May 2002.

Graduate School

Representative

➤ Yazmín del Río Ríos - Agricultural Economic and Rural Sociology Department, Nov.

2016. ➤ Martha Beatriz Sarmiento Rondón – Chemistry Department, May 9, 2014. ➤ Eileen Irizarry Figueroa – Civil Engineering, Nov. 30, 2012. ➤ Javier E. Martínez Benavides - Animal Husbandry Department, Nov. 7, 2008 ➤ Verónica Díaz Carcache - Animal Husbandry Department, May 2, 2008. ➤ José Orama Molina – Animal Husbandry Department, November 17, 2006. ➤ David Matos Mercado – Horticulture Department, April 27, 2004. ➤ Helga Mendez Soto – Horticulture Department, July 11, 2003.

Member of “Comité de Redacción Plan Estratégico CCA del 2012-2022” – August 2014-17.

Member of Academic Affair Committee, Department of Agronomy and Soils- August 1999 to
2009

Member of “Comité de Consulta”, Department of Agronomy and Soils, 2006.

Member of “Comité de Redacción de plan de trabajo a cinco años del nuevo Departamento de Cultivos y Ciencias Ambientales”, representing Department of Agronomy and Soils, 2007.

Member of Development of Lajas Valley Committee - June 1999 to August 2002.

Basic Grains Commodity Leader - College of Agricultural Science

- May 2007 to December 2009
- May 1998 to May 2001.

X. COURSES TAUGHT AT COLLEGE LEVEL

- Fundamentals of Crop Production (CFIT 3005)
- Agricultural System Simulation (AGRO 6300)
- Crop Ecology (AGRO 4026)
- Summer Practicum (AGRO 4038, HORT 4006)
- Special Problem (AGRO 4015, AGRO 6996, INPE 4026, INPE 4027)
- Selected Topics (Crop Modeling; AGRO 6997, AGRO 6998)

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XI. PROFESSIONAL SOCIETIES MEMBERSHIPS AND FRATERNITIES

- Asociación de exalumnos del RUM - 2005 to 2015.
- American Society of Agronomy - 1994 to present.
- Asociación de Científicos de la Estación Experimental Agrícola - 1993 to present.
- Secretary - 2009
- President - 2007
- Secretary - 2004
- Vice-president - 2003
- Treasurer - 1993
- Caribbean Food Crops Society - 1990 to present.
- Colegio de Agrónomos de Puerto Rico- 1987 to present.
 - Treasurer of Lajas Chapter 2003-06
 - Secretary of Lajas Chapter 2002-03
- Sociedad Puertorriqueña de Ciencias Agrícolas (SOPCA) - 1989 to present.

- Secretary-Treasurer, 2007 ○ President - 2003 ○
- President “comité Socio SOPCA del año” - 2009- 2016 ➤
- Gamma Sigma Delta - 1990 to 2016
 - President - 2004. ➤
 - Alpha Zeta Fraternity ○
 - Advisor, 1992 ○
 - Chancellor, 1989

XII. PUBLIC SERVICE

- Training. “Tipos, uso y mantenimiento de sistemas de riego por goteo”. Lajas Substation. Programa de Adiestramiento Agrícola, Área local de Inversión en la Fuerza Laboral del Suroeste. 1 de marzo de 2005 (3 hrs).
- Supervision and training of Agro. Lester López, agriculture teacher, in the Agricultural Experiment Station in cooperation with the Department of Education of Puerto Rico. June 2001.
- Supervision of the students Robinson Seda and Ernie Pérez to conduct the Insular Scientific Fair project ‘Effect of diuron on the variability of pH on soils. This project was presented in the US fair. February 2001.
- Several Radio Interview on Radio Paraíso (92.7 FM) - November 12, 2001; Mayagüez, Puerto Rico.
- Radio Interview on Radio Paraíso (92.7 FM) - October 2, 2000; Mayagüez, Puerto Rico.
- Supervision and training of Agro. Minerva Camacho, agriculture teachers, in the Agricultural Experiment Station in cooperation with the Department of Education of Puerto Rico. June 2000, June 2001.
- Radio Interview on WEUC (88.9 FM) - December 20, 1999; Ponce, Puerto Rico.

Curriculum vitae Dr. Elvin Román Paoli

- Judge Insular Scientific Fair - April 15, 1993 - San Germán, Puerto Rico.
- Judge Insular Scientific Fair - March 26, 1992 - San Germán, Puerto Rico.
- Judge Insular Scientific Fair - April 22, 1991- San Germán, Puerto Rico

XIII. HONORS AND ACHIEVEMENTS

- License issued to practice as Agronomist - Board of Examiners, Department of State.
- Commonwealth of Puerto Rico. 2019. ➤ President Award. Colegio de Agrónomos de Puerto Rico. September 1, 2018. ➤ Award of Excellence in recognition of the project Microrrigirrigation for sustainable water use. The Western Association of Agricultural Experiment Director. July 2014. ➤ License issued to practice as Agronomist - Board of Examiners, Department of State.
- Commonwealth of Puerto Rico. 2014. ➤ Resolution Honoring – As Associate Dean of Agricultural Experiment Station UPR given by the Southern Association Agricultural Experiment Directors, Columbus Ohio. November 25, 2013. ➤ Dedicatory of Gamma Sigma Delta Annual. Meeting June 24, 2011 ➤ Gaspar Dávila Monsanto award - Colegio de Agrónomos de Puerto Rico (as Lajas chapter treasurer). 2003-2006. ➤ Best professional oral presentation (SOPCA). November 10, 2006 ➤ Distinguished member of the year (SOPCA). November 18, 2005 ➤ Best professional scientific poster presentation (SOPCA). December 3, 2004 ➤ Carl & Betty Overlay Scholarship Award (Kansas State University) August 1996. ➤ Dedicatory at the initiation ceremony “Asociación de Estudiantes de Agronomía y Suelos (AEAGROS). October 21, 1993. ➤ National Hispanic Fund Scholarship Award (1987, 1988 as graduate student).

XII. PROFESSIONAL DEVELOPMENT

- Attend Annual Meeting of Regional Project (W-3128) and Irrigation Association Annual meeting. Long Beach, CA. November 10-13, 2015. ➤ Attend Annual Meeting of Regional Project W-1128, Denver, CO - November 13-15, 2013. ➤ Attend SAAESD Fall Meeting, Raleigh, NC, US. March 26-29, 2012. ➤ Attend Association of Public and Land-Grant Universities (APLU) Annual Meeting, November 11-13, 2012. Denver CO ➤ Attend SAAESD Spring Meeting, September 24-27, 2012. Raleigh, NC, US ➤ Attend Association of Public and Land-Grant Universities (APLU) Annual Meeting, November 13-15, 2011 San Francisco, CA. ➤ Attend to Joint Meeting and Workshop of ESS/SAES/ARD. September 23-26, 2011. Estes Park, CO.

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- Attend T-STAR Technical Committee Annual Meeting, Lake Buena Vista, Florida. February 15-17, 2011. ➤ Attend Annual Meeting of Regional Project W-1128. Reduction barriers to adoption of microirrigation. Las Cruces, New Mexico, November 16-18, 2011. ➤ Attend Orientation “Food and Agriculture Leadership for New Dean/Director/Administrator and National Program Leaders, Arlington, Virginia. December 7-9, 2010. ➤ Attend SAAESD Spring Meeting, Sheraton Beach Hotel, Virginia Beach, Virginia EUA. March 22-25, 2010. ➤ Attend Annual Meeting of Regional Project W-1128. Reduction barriers to adoption of microirrigation. Des Moines, Iowa November 17-19, 2010. ➤ Attend T-STAR Technical Committee Annual Meeting, St. Croix, March 15-18, 2010. ➤ Attend 47th Annual Meeting, Caribbean Food Crop Society, Bridgetown Barbados. July 4-8, 2011. ➤ Training at “Soil, Plant Nutrient Research Unit”, ARS, USDA Fort Collins,

Colorado.

March 9-15, 2008. ➤ Attend Annual Meeting of Regional Project W-1128. Reduction barriers to adoption of

microirrigation. Carolina. PR November 16-18, 2009. ➤ Attend Annual Meeting of Regional Project W-1128. Reduction barriers to adoption of

microirrigation. Portland, Oregon. November 22-24, 2008 ➤ Attend Annual Meeting of Regional Project W-1128. Reduction barriers to adoption of

microirrigation. Honolulu, Hawaii. October 11-13, 2007. ➤ Attend Attend Annual Meeting, American Society of Agronomy. Salt Lake City, Utah.

November 6-9, 2005. ➤ Attend Annual Meeting of Regional Project W-128.

Microirrigation: Management Practices to sustain water quality and Agricultural Productivity. University of California, Davis. October 22-24, 2003. ➤ Travel to Argentina. Sociedad Puertorriqueña de Ciencias Agrícolas (SOPCA).

September 8-18, 2003. ➤ Workshop Assessing Crop Production, Nutrient Management, Climatic Risk and Environmental Sustainability with Simulation Models. Training Workshop on DSSAT V4.0. The University of Georgia and International Consortium for Agricultural Systems Applications (ICASA). December 9-18, 2002. Griffin Georgia. ➤ Travel Caribbean Islands. Sociedad Puertorriqueña de Ciencias Agrícolas (SOPCA).

September 29 to October 6, 2002. ➤ Travel Vieques, PR. Sociedad Puertorriqueña de Ciencias Agrícolas (SOPCA). March 1 to

4, 2001. ➤ Workshop "Etica Gubernamental" (for supervisors and managers)-. June 14, 2000; Río

Piedras. ➤ Basic Grain Commodity- Open House on maize, pigeon pea, and bean research findings.

CID March 2, 2000; Isabela. ➤ Workshop Irrigation and Vegetable Production. Florida Agricultural and Trade Show.

September 29 to 30, 1999; Lakeland, FL. ➤ Workshop "Discrimen en el empleo y hostigamiento sexual" (for supervisors and

managers)- May 12, 1999; Río Piedras, Puerto Rico. ➤ Seminar - The Learning Taxonomy. Kansas State University March; 1997.

➤ Workshop Microcomputer Irrigation Scheduling. UPR. American Society of Agricultural

Engineers. March 28-30, 1994; Mayagüez. ➤ Workshop “Taller de Redacción de Propuestas”. UPR. Gamma Sigma Delta. October 10,

1993. ➤ Travel to Costa Rica. Sociedad Puertorriqueña de Ciencias Agrícolas (SOPCA). June

1992. ➤ Internship Photosynthesis and Production in a Changing Environment. University of West

Indies and King’s College, London. August 12 to September 13, 1991; Barbados. ➤ Attend Annual Meeting of Regional Project W-1128. Reduction barriers to adoption of microirrigation. Tempe, Arizona. November 2-4, 2005. ➤ Workshop “Preparación de Presupuesto para Propuestas con Fondos Externos y Redacción

Técnica”. Administración Central, UPR. Juana Díaz Substation August 26, 2005. ➤ Attend Annual Meeting of Regional Project W-1128. Reduction barriers to adoption of microirrigation. Tampa, Florida. November 17-19, 2004. ➤ Workshop Uso de Recursos Visuales para presentaciones visuales”, ACEEA December 16,

2003. Lajas. ➤ Attend “Primer Congreso Bianual de la Sociedad Dominicana de Investigadores

Agropecuarios y Forestales”. Hotel Santo Domingo. RD. October 29 to November 1, 2003.

Updated: nov,
2019

