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## INDEX TO THE JOURNAL OF AGRICULTURE OF THE UNIVERSITY OF PUERTO RICO, VOLUMES 70 TO 80 (1986 to 1996)

### SUPPLEMENT NO 4<sup>1</sup>

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### AUTHORS<sup>3</sup>

#### Abreu, E.

1986, The coconut palm Eriophyid mite, *Eriophyes guerrenonis*

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in Puerto Rico, 70(3), 223 (RN).

<sup>1</sup>In the July 1971 issue of the *Journal of Agriculture of the University of Puerto Rico* appeared the first two installments of the author and subject indexes to the Journal. The first installment comprises volumes 1 through 47, the years 1917 to 1963. That installment was compiled by Luis F. Martorell, Silverio Medina-Gaud and Enrique Jordán-Musa. It includes 1,264 titles, both full articles and research notes. The second installment, Supplement No. 1, compiled by Luis F. Martorell, comprises volumes 48 through 52, years 1964 to 1968. It includes 91 articles and research notes.

The third installment, Supplement No. 2, compiled by Silverio Medina-Gaud and Luis F. Martorell, appeared in the October 1971 issue. It comprises volumes 53 through 55, years 1969 to 1971, and includes 164 articles and research notes.

The fourth installment, Supplement No. 3, was compiled by Samuel O. Vélez-Delgado, Margaret Inserni and Rosaura Rivera-Ostolaza. It comprises volumes 56 through 69, years 1972 to 1985. It includes 759 articles and research notes.

The present installment, Supplement No. 4, brings the indexes up to the current issue. It comprises volumes 70 to 80, years 1986 to 1996. It includes 509 articles and research notes.

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<sup>3</sup>An author's name may appear in more than one form. Although all first names are abbreviated, an author may appear with one or two initials. Last names may appear single or compound. When compound, they are hyphenated regardless of how they appear in the original. Alphabetically, names with a single initial precede two-initial ones (Y. Badillo precedes Y. A. Badillo); single names precede hyphenated ones (Abreu, Z. precedes Abreu-Abadía, A.). Articles under one name are organized chronologically (those in volume I precede those in volume II; those in number 1 precede those in number 2 and those on page 1 precede those on page 2).

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- 1989, Variedades de tomate (*Lycopersicon esculentum* Mill.) y susceptibilidad al nematodo *Meloidogyne incognita*, 73(1), 83 (RN).
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- 1990, Ciclo de vida del piche de la batata, *Cylas formicarius* var. *elegantulus* (Coleoptera: Curculionidae), en Puerto Rico, 74(1), 61.  
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- 1996, Variabilidad entre aislados de *Rhizoctonia solani* en Puerto Rico, 80(3), 195. (RN).
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- Beinroth, F. H.**
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- Belardo, A.**
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- 1991, Variations of ovarian position in *Fasciola hepatica* species found in cattle in Puerto Rico, 75(1), 67.
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- (Homoptera: Aleyrodidae), en Puerto Rico, 75(3), 301 (RN).
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- Bernard, L.**  
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- 1992, Yield of cocoyam cultivars propagated by the single-bud method, 76(1), 1.
- Bouddin, D. R.**  
1991, An alternate method for determination of cations in solution of small soil samples, 75(3), 223.
- Bruck, T.**  
1987, Brief notes on the cytology of neotropical Coleoptera, 5. Storage and activation of large sperm cells in male Alticinae, 71(4), 415 (RN).
- Burguete, E.**  
1990, Caracterización del estimador de la clase K en modelos econometrivos de ecuaciones simultáneas, 74(3), 307.
- Burguete, J. F.**  
\*1990, Caracterización del estimador de la clase K en modelos econometrivos de ecuaciones simultáneas, 74(3), 307.
- Cabrera, I.**  
\*1990, Ciclo de vida del piche de la batata, *Cylas formicarius* var. *elegantulus* (Coleoptera: Curculionidae), en Puerto Rico, 74(1), 61.
- \*1990, Susceptibilidad de cultivares de batata [*Ipomoea batatas* (L.) (Lam.)] al ataque del piche [*Cylas formicarius* var. *elegantulus* (Summers)], 74(2), 167.
- Cabrera-Asencio, I.**  
1996, Nuevos reportes de barrenadores: *Apate monacha* (F.) (Coleoptera: Bostrichidae), *Hypothenemus* sp. e *Hoplocryphalus mangiferae* (H.) (Coleoptera: Scalytidae) del mangó (*Mangifera indica*) en Puerto Rico, 80(1-2), 87. (RN).
- Cáceres, J.**  
1991, Daños causados por *Xanthomonas campestris* pv. *phaseoli* y su efecto en el rendimiento de la ha-

- bichuela (*Phaseolus vulgaris*), 75(4), 353.
- Cacho, C. L.**
- 1993, Gas chromatography-mass spectrometry (GC-MS) identification of compounds in concentrates of Puerto Rican rums, 77(1-2), 69.
- Cacho, E.**
- \*1988, Pilot plant fermentation of high test molasses compared with blackstrap molasses using factorial design, 72(1), 9.
  - 1988, Evaluation of a commercial yeast nutrient for high test molasses fermentation, 72(1), 173 (RN).
  - \*1988, The use of distillers' dry yeast as inoculum for rum fermentation on pilot plant scale, 72(3), 445.
  - \*1988, Pilot plant scale evaluation of a commercial yeast nutrient for high test molasses fermentation, 72(4), 509.
  - \*1989, Evaluación química y organoléptica de vino de la variedad Fortuna Blanca, cosecha 1986, 73(1), 11.
- Cacho-Silvestrini, E.**
- /1987, Pilot plant growth of *Candida utilis* on rum distillery slops to lower contamination potential and generate an animal feed supplement, 71(1), 125 (RN).
- Caloni (de), I. B.**
- 1988, Shelf life and acceptability of hot water-treated mangoes, 72(3), 469.
  - 1989, Rendimiento y evaluación sensorial de cultivares de los ñames *D. rotundata* y *D. cayenensis*, 73(3), 203.
  - 1989, Sensory evaluation of arracacha (*Arracacia xanthorrhiza* Bancroft) cultivars in Puerto Rico, 73(3), 291 (RN).
  - 1990, Quality evaluation of different types of chicken consumed in Puerto Rico, 74(1), 75.
  - 1995, Evaluación sensorial de los cultivos de ñame Binugas y Gunung (*Dioscorea alata*) cosechados a distintos meses de la siembra, 79(1-2), 85. (RN)
- Caloni, I. B.**
- 1994, Yield of three papaya genotypes and their tolerance to papaya ringspot virus in Puerto Rico, 78(3-4), 111.
- Caloni, I. B. (De)**
- 1992, Sensorial and chemical evaluation of sapodilla (*Manilkara sapota* L. V. Rogen, *Achras sapota* Lynn.) varieties, 76(2), 103 (RN).
- Camdessus, M. C.**
- 1992, Composición química y calidad culinaria de dos cultivares de batata (*Ipomoea batatas* L.): Morada INTA y Rojo Blanco, 76(3-4), 151.
- Campo, R. O.**
- \*1996, Patogenicidad de *Burkholderia cepacia* en cuatro genotipos de cebolla (*Allium spp.*), 80(3), 123.
- Caraballo, E.**
- \*1986, Effects of water application rates and planting density on growth parameters of drip irrigated onion, 70(2), 135.
  - 1987, Yield and tolerance of bell pepper (*Capsicum annuum* L.) cultivars to potato virus Y isolate from Puerto Rico, 71(3), 337 (RN).
  - 1989, Chemical weed management in onions (*Allium cepa* L.), 73(1), 59.
  - 1989, Broadleaf weed control in peppers with herbicides applied pre-transplant, 73(1), 67.
  - \*1990, Performance, sizing and total solids of nine onion (*Allium cepa*) cultivars, 74(1), 21.
  - 1990, Grass weed management in transplanted eggplant, 74(2), 133.
  - 1990, Storage tolerance of five short-day onion cultivars during a 12-week period, 74(3), 293.
  - \*1990, Short-day onion cultivar evaluation in Puerto Rico during 1988-89 growing season, 74(3), 323 (RN).
  - 1990, An evaluation of 10 cucumber (*Cucumis sativa* L.) cultivars in southern Puerto Rico, 74(4), 461 (RN).
  - 1991, Yield and acceptability of eight fresh market tomato cultivars, 75(1), 93 (RN).
  - 1991, Further evaluation of herbicides in peppers, 75(4), 391.

- 1992, Chemical weed control in pumpkin, 76(2), 55.
- 1992, Resistencia de seis cultivares comerciales de pimiento de cocinar (*Capsicum annuum* L.) a la mancha bacteriana causada por *Xanthomonas campestris* pv *vesicatoria* (Doige) Dye, 76(2), 97 (RN).
- Carbonell, M. E.**
- \*1990, Pumpkin (*Cucurbita moschata*) breeding priorities based on a survey among Puerto Rican consumers, 74(3), 229.
- Cardona, J.**
- 1994, Sequential herbicide application in yams, 78(3-4), 177. (RN)
- Cardona-Castro, C.**
- 1988, Agronomic performance of hard endosperm opaque-2 corn populations in Puerto Rico, 72(2), 309.
- 1989, Mycroflora and germination of maize seed, 73(2), 115.
- Carpintero, D. J.**
- \*1988, Contributions to the knowledge of American Ectrichodiinae. I. Notes about *Rhiginia* (Hemiptera: Reduviidae), 72(2), 251.
- \*1990, Contribution to the knowledge of American Ectrichodiinae. II. Notes about *Rhiginia* and *Pothea*, 74(4), 449.
- \*1991, Contribution to the knowledge of American Ectrichodiinae. III. The genus *Cricetopareis* *Bredin*, 1903. Hemiptera: Reduviidae, 75(1), 81.
- Casas, M.**
- 1992, Determination of economic stocking rates for beef cattle grazing stargrass under two fertilizer levels, 76(3-4), 131.
- Cedeño-Maldonado, A.**
- 1987, Growth and yield of mango trees at three stages of development influenced by rootstock, scion variety, 71(4), 341.
- \*1988, Effect of dwarfing rootstocks on tree size and yield of selected mango varieties, 72(1), 1.
- 1988, Dwarfing effect of interstems and growth and yield components of mango, 72(4), 501.
- \*1988, Salt and sugar levels for effective plant regeneration from in vitro cultured tissues of cocoyam, 72(4), 515.
- 1989, Tratamientos de desfoliación y crecimiento, floración y producción del guanábano (*Annona muricata* L.), 73(2), 141.
- \*1990, Performance of pummelo clones in the central mountain region of Puerto Rico, 74(3), 299.
- \*1990, Fruit characteristics of 18 pummelo varieties with potential for commercial production in Puerto Rico, 74(3), 331 (RN).
- \*1990, A new method for rapid multiplication of cocoyam (*Xanthosoma* spp.) vegetative material, 74(4), 465 (RN).
- 1991, Efecto de la intensidad de la luz sobre la floración y crecimiento del culantro, *Eryngium foetidum* L., 75(4), 383.
- 1992, Yield of cocoyam cultivars propagated by the single-bud method, 76(1), 1.
- 1992, Effect of gibberellic acid on phyllotaxy of bud-grafted cacao (*Theobroma cacao* L.) 76(1), 33 (RN).
- \*1994, Effect of rootstocks on tree size and yield of six Valencia orange clones, 78(3-4), 123.
- Cerna, J.**
- \*1989, A visual indicator of the physiological maturity stage of indeterminate beans, 73(4), 361.
- Cerna-García, J.**
- 1989, Yield stability of dry bean genotypes in Honduras, 73(4), 339.
- Chao, C.**
- 1991, Expectativas y opiniones de patrones de profesionales en las ciencias agrícolas, 75(2), 139.
- Chao, C. L.**
- 1991, Fermentation of sugarcane juice and blackstrap molasses by *Zymomonas mobilis*, 75(1), 43.
- Chao de Báez, C.**
- 1986, Effects of water application rates and planting density on growth parameters of drip irrigated onion, 70(2), 135.
- 1988, Temperature versus elevation relationships for Puerto Rico, 72(3), 449.
- 1988, Tres niveles de riego y crecimiento del maíz dulce (*Zea mays*

- cv. Suresweet) regado por goteo, 72(4), 565.
- 1988, Nutrient uptake and growth characteristics of nitrogen fertigated sweet peppers under drip irrigation and plastic mulch, 72(4), 575.
- 1989, Post-harvest evaluation of nitrogen fertigated sweet peppers under drip irrigation and plastic mulch, 73 (2), 109.
- 1989, Tomato and sweet pepper response to furrow, microsprinkler drip irrigation, 73(3), 239.
- 1989, Shelf life and quality components of Parvin mango after 15-day storage, 73(4), 295.
- 1990, Influence of storage conditions and market temperature on shelf-life and quality of Keitt mango, 74(2), 189.
- 1990, Fruit defects, size distribution and sensory evaluation of four commercial tomato cultivars, 74(3), 337 (RN).
- \*1990, Class A pan evaporation versus potential evapotranspiration at seven locations in Puerto Rico, 74(3), 343 (RN).
- 1991, Degreening of Red Spanish pineapple after field heat removal, 75(1), 37.
- 1991, Estimation of potential evapotranspiration with Hargreaves-Samani model at various locations in Puerto Rico, 75(1), 107 (RN).
- 1991, Effect of N and K levels and planting density on pineapple fruit yield and quality, 75(4), 319.
- 1996, Commercial tomato cultivar trials at two locations, 80(3), 207. (RN).
- Chardón, U.**
- 1993, Nutrient uptake, growth and yield performance of three tanier (*Xanthosoma* spp.) cultivars grown under intensive management, 77(1-2), 1.
- 1995, Nutrient uptake and dry matter yield in the 'Gunung' yam (*Dioscorea alata*) grown on an Ultisol without vine support, 79(3-4), 121.
- Chavarriá, J. A.**
- \*1990, Niveles de *Arthrobotrys* spp. y una población de *Meloidogyne incognita* en tomate, 74(3), 261.
- Chew, V.**
- 1990, Rapid methods for determining tanier (*Xanthosoma* spp.) root responses to soil acidity, 74(4), 365.
- 1991, Estimation of leaf area in three tanier (*Xanthosoma* spp.) cultivars grown in Puerto Rico, 75(3), 313 (RN).
- Chinea-Rivera, J. D.**
- /1995, Production, dispersal, and dormancy of seeds of *Albizia procera* (Roxb.) Benth., a woody weed of pastures in Puerto Rico, 79(3-4), 163.
- Cintrón-Muñoz, M. E.**
- 1987, Processing and the nutritional contents of canned and not canned pigeon peas [*Cajanus cajan* (L.)], 71(1), 33.
- 1987, Processing and storage and the nutritional contents of pigeon peas [*Cajanus cajan* (L.)], 71(1), 43.
- Cianzio, S.**
- 1996, Evaluación de habichuela (*Phaseolus vulgaris* L.) en generaciones tempranas para resistencia a *Xanthomonas campestris* pv *phaseoli* (Smith) dye, 80(1-2), 55.
- 1996, Relación entre producción de leche y su contenido de células somáticas, en lactancias completas en hatos lecheros de Puerto Rico, 80(3), 169.
- Colberg, O.**
- 1990, Chicken manure as an organic fertilizer, 74(2), 139.
- 1990, Performance of honeydew melon cultivars in southern Puerto Rico, 1986-87, and 1987-88, 74(2), 209 (RN).
- \*1991, Cuatro niveles de nitrógeno en dos variedades de cebolla (*Allium cepa*), 75(1), 1.
- 1993, Effect of chicken manure on chemical properties of a Mollisol and tomato production, 77(3-4), 181.

**Colberg-Rivera, O.**

- \*1988, Seed production of asparagus (*Asparagus officinalis*) in Puerto Rico, 72(4), 619 (RN).  
 \*1994, Seis cultivares de pepinillo (*Cucumis sativus*) en la costa sur de Puerto Rico, 78(1-2), 71. (RN)  
 \*1996, Commercial tomato cultivar trials at two locations, 80(3), 207. (RN).

**Coleman, B.**

- 1995, Drip irrigation recommendations for plantain and banana grown on the semiarid southern coast of Puerto Rico, 79 (1-2), 13.

**Colón, W.**

- 1989, Tumor-like formations in papaya fruit in Puerto Rico, 73 (4), 411. (RN)

**Colón-Guasp, W.**

- 1986, *Eumecosomyia nubila* (Wiedemann): A new otidid in Puerto Rico, with notes on the habits of the dipteran species complex of corn, 70(2), 155 (RN).

**Corchado, N.**

- 1995, Two feeding systems for lactating dairy cows grazing fertilized grasses, 79(3-4), 99.

**Corchado-Juarbe, N.**

- 1988, Storage and digestibility, voluntary intake and chemical components of hay of five tropical grasses, 72(4), 531.  
 1990, Performance of two forage sorghum hybrids in southwest Puerto Rico, 74(1), 1.

**Correa, F.**

- 1994, Stem borer, *Rupela albinella* (Cramer), and stem rot, *Sclerotium oryzae*, in southwestern Colombia rice fields, 78(1-2), 17.

**Cortés, M.**

- \*1989, Evaluación del ingreso bruto generado por las aglaonemas "Silver Queen" y "María" a diferentes niveles de sombra, 73(4), 399.

**Cortés-Monllor, A.**

- /1986, Bacterial spot of tanier, *Xanthosoma sagittifolium* (L.) Schott, in Puerto Rico, 70(3), 225 (RN).  
 \*1987, Bacterial leaf spot of pigeon pea in Puerto Rico, 71(2), 177.  
 /1988, Bacterial leaf spot of coffee, 72(4), 621 (RN).

- /1990, *Erwina carotovora* pv. *carotovora*, causal agent of soft rot disease in crops in Puerto Rico, 74(1), 83.

- \*1991, Leaf blight of *Syngonium podophyllum* Schott "White Butterfly" in Puerto Rico, 75(1), 97 (RN).

- \*1991, Angular leaf spot of some cucurbits in Puerto Rico, 75(2), 195 (RN).

- /1992, Diseases associated with pathovars of the *Xanthomonas campestris* group in Puerto Rico, 76(3-4), 187.

- /1993, Diseases caused by *Pseudomonas* spp. in some cultivars in Puerto Rico—An updating, 77(3-4), 207.

**Coscarón, M. C.**

- \*1988, Contribution to the knowledge of *Rasahus Amyot* and *Seville*, 1843 (Hemiptera: Reduviidae): description of a new species, 72(2), 247.

**Cotte, O.**

- \*1988, Some host plants of leafhopper, *Empoasca* spp. (Homoptera: Cicadellidae) found on pigeon pea (*Cajanus cajan* L.) fields, 72(3), 499 (RN).

- /1989, *Oxidia vesulia* (Cramer) (Lepidoptera: Geometridae), a geometrid caterpillar of coffee in Puerto Rico, 73(2), 159 (RN).

- /1989, *Scutigerella innoxiatula* (Newport), the symphytid in pineapple fields of Puerto Rico, 73(3), 275.

**Coyne, D. P.**

- 1989, Imbibition, germination and cooking time of seeds of dry beans (*Phaseolus vulgaris* L.) stored in different containers, 73(4), 327.

- 1996, Herencia y relación de la reacción a la bacteriosis común y días a floración en habichuelas (*Phaseolus vulgaris*, L.), 80(3), 95.

- 1996, Yield stability of determinate and indeterminate red mottled beans, 80(3), 187. (RN).

**Craig, J.**

- 1986, The identity and characterization of downy mildew on

- sorghum in Puerto Rico, 70(3), 217 (RN).
- Crespo-Ruiz, M.**
- 1988, Root distribution of nitrogen fertigated sweet peppers under drip irrigation, 72(1), 51.
  - \*1988, Nutrient uptake and growth characteristics of nitrogen fertigated sweet peppers under drip irrigation and plastic mulch, 72(4), 575.
- Cruz, C.**
- 1986, Insect and nematode control in cucumber (*Cucumis sativus*) in Puerto Rico, 70(1), 19.
  - 1986, Life cycle of diamondback moth, *Plutella xylostela* (L.) (Lepidoptera: Yponomeutidae), in Puerto Rico, 70(4), 229.
  - 1988, Chemical control of *Liriomyza sativae* and of Lepidoptera larvae on tomato, 72(1), 169 (RN).
  - 1988, Some host plants of leafhopper, *Empoasca* spp. (Homoptera: Cicadellidae) found on pigeon pea (*Cajanus cajan* L.) fields, 72(3), 499 (RN).
  - 1990, Ciclo de vida del piche de la batata, *Cylas formicarius* var. *elegantulus* (Coleoptera: Curculionidae), en Puerto Rico, 74(1), 61.
  - 1990, Susceptibilidad de cultivares de batata [*Ipomoea batatas* (L.) (Lam.)] al ataque del piche [*Cylas formicarius* var. *elegantulus* (Summers)], 74(2), 167.
- Cruz, J. R.**
- 1991, Efecto de la escaldadura en la vida útil y aspectos químicos de los productos de piña de humedad intermedia, 75(1), 25.
- Cruz-Castillo, J. G.**
- \*1989, Tratamientos de desfoliación y crecimiento, floración y producción del guanábano (*Annona muricata* L.), 73(2), 141.
- Cruz-Cay, J.**
- 1987, Processing and the nutritional contents of canned and not canned pigeon peas [*Cajanus cajan* (L.)], 71(1), 33.
- Cruz-Cay, J. R.**
- 1987, Processing and storage and the nutritional contents of pigeon peas [*Cajanus cajan* (L.)], 71(1), 43.
  - 1991, Effect of blanching on niacin concentration in canned red kidney beans, 75(4), 417 (RN).
- Custodio, A. A.**
- 1996, Relación entre producción de leche y su contenido de células somáticas, en lactancias completas en hatos lecheros de Puerto Rico, 80(3), 169.
- Dahlberg, J. A.**
- \*1995, Yield and agronomic evaluation of ten sorghum hybrids on the south coast of Puerto Rico in 1993 and 1994, 79(3-4), 131.
- Davey, R. B.**
- 1995, Microencapsulated permethrin sprays for control of southern cattle tick, *Boophilus microplus* (Canestrini) (Acari: Ixodidae), infesting Holstein dairy heifers on Saint Croix, U.S. Virgin Islands, 79(3-4), 93.
- Dávila, R. F.**
- /1986, Testing of a monthly weather model, 70(3), 169.
- Del Río, L.**
- \*1991, Dry bean seed quality in Honduras, 75(2), 125.
- De Kok, C.**
- 1986, *Curvularia* leaf spot on yams, *Dioscorea* spp., 70(4), 277.
- De León, D.**
- 1986, Failure of carbaryl-based products to reduce brown dog tick population in Puerto Rico, 70(4), 299.
  - /1986, Efficacy of ivermectin administered subcutaneously against cattle tick, *Boophilus microplus* (Canestrini), 70(4), 315 (RN).
  - \*1987, Tratamiento para parásitos internos y externos en gallinas ponedoras mantenidas en jaulas elevadas y de piso con camada, 71(1), 133 (RN).
  - \*1987, Ectrin spray in combination with ectrin eartags and the control of *Boophilus microplus* (Canestrini) in dairy cattle, 71(3), 241.
  - \*1989, La enfermedad de "Johne" en una vaquería de Puerto Rico: Informe de un caso clínico, 73(4), 415 (RN).
- Del Valle, R.**
- \*1995, Fertilization of arracacha in an Ultisol, 79(3-4), 183. (RN)

**Del Valle-González, R.**

- \*1989, Failure of calcium sources to control blossom-end rot in watermelons, 73(3), 287 (RN).
- \*1989, Sensory evaluation of arracacha (*Arracacia xanthorrhiza* Bancroft) cultivars in Puerto Rico, 73(3), 291 (RN).
- \*1990, Nitrogen rates and sources and Guinea Negro yam in an Ultisol in Puerto Rico, 74(1), 29.
- \*1990, Efecto del herbicida ametrina como control preemergente de yerbajos en apio (*Arracacia xanthorrhiza* Bancroft), 74(3), 273.
- \*1991, Lack of response of pigeon pea (*Cajanus cajan* L. Huth) to N and K fertilizer on a Mollisol of Puerto Rico's southern coastal plains, 75(1), 89 (RN).

**Denmark, H. A.**

- 1990, Geographical and seasonal distribution of coconut mite, *Aceria guerreronis* (Acar: Eriophyidae), in Puerto Rico and Florida, USA, 74(3), 237.

**Denton, A.**

- 1987, Brief notes on the cytology of neotropical Coleoptera, 4. *Chalcolepidius silbermanni* Chevrolat (Elateridae: Pyrophorini), 71(3), 323 (RN).
- 1987, Brief notes on the cytology of neotropical Coleoptera, 5. Storage and activation of large sperm cells in male Alticinae, 71(4), 415 (RN).
- 1990, Staining of substances adjacent to the sex bivalent in certain weevils of Puerto Rico, 74(4), 405.

**Despins, J. L.**

- \*1995, Microencapsulated permethrin sprays for control of southern cattle tick, *Boophilus microplus* (Canestrini) (Acar: Ixodidae), infesting Holstein dairy heifers on Saint Croix, U. S. Virgin Islands, 79(3-4), 93.

**Díaz, A. L.**

- 1991, Expectativas y opiniones de patrones de profesionales en las ciencias agrícolas, 75(2), 139.

**Díaz, N.**

- \*1988, Shelf-life and acceptability of hot water-treated mangoes, 72(3), 469.

\*1989, Tentative identification of volatile components of pineapple juice from varieties of Red Spanish and PR 1-67, 73(3), 189.

1990, Influence of storage conditions and market temperature on shelf-life and quality of Keitt mango, 74(2), 189.

1991, Efecto de la escaldadura en la vida útil y aspectos químicos de los productos de piña de humedad intermedia, 75(1), 25.

1992, The stability of B-carotene in mango nectar, 76(2), 101 (RN).

**Díaz, O.**

1996, Una metodología para evaluar en el invernadero el virus del mosaico dorado de la habichuela, 80(1-2), 65.

**Díaz-Donaire, R.**

1989, Yield stability of dry bean genotypes in Honduras, 73(4), 339.

**Díaz-Rivera, M.**

1988, Evaluation of diquat for post-emergence weed control in pumpkin (*Cucurbita moschata*), 72(2), 285.

**Dole, J. M.**

1995, Production and movement of branching agent in poinsettia leaf and stem, 79(3-4), 139.

**Dopazo-Rodríguez, T.**

1990, Quality evaluation of different types of chicken consumed in Puerto Rico, 74(1), 75.

**Droz-Lube, E.**

\*1991, Expectativas y opiniones de patrones de profesionales en las ciencias agrícolas, 75(2), 139.

\*1994, Mercado de trabajo y los indicadores socioeconómicos en los municipios de Puerto Rico, 78(3-4), 153.

**Dumas, J. A.**

1990, Chicken manure as an organic fertilizer, 74(2), 139.

**Echávez-Badel, R.**

\*1986, Resistance of 43 sugarcane clones to smut, *Ustilago acitaminea* (Sydow), 70(4), 287.

\*1987, Dry bean genotypes and *Macrohomina phaselolina* (Tassi) Goid in inoculated and non-inoculated field plots, 71(4), 385.

\*1987, Resistance and susceptibility of beans, *Phaseolus vulgaris* L., to ashy stem blight *Macrohomina*

- phaseolina* (Tassi) Goid, 71(4), 403 (RN).
- \*1989, Resistance to rust and smut among Puerto Rico sugarcane clones, 73(1), 45.
- /1989, Performance of cucumber varieties in soil infested with root-knot and reniform nematodes, 73(4), 321.
- /1990, *Choanephora cucurbitarum*, foliar blight of dry beans (*Phaseolus vulgaris*), 74(2), 203 (RN).
- /1990, Incidence of ring spot disease in sugarcane, 74(4), 457 (RN).
- /1991, Detection of smut mycelia in apical meristems of sugarcane buds, 75(3), 281.
- /1991, Productivity of new sugarcane hybrids in the Lajas valley and their resistance to smut and rust, 75(3), 287.
- \*1991, Characterization and comparative pathogenicity of two *Macrophomina phaseolina* isolates from Puerto Rico, 75(4), 418 (RN).
- \*1992, Reaction of landrace Pompadour beans to *Macrophomina phaseolina* isolates, 76(2), 93 (RN).
- 1994, *Pseudomonas cepacia*, a potential biofungicide for root rot pathogens of beans, 78(1-2), 55. (RN)
- 1994, Bean root colonization by *Pseudomonas cepacia* UPR 5C, 78(1-2), 59. (RN)
- Escudero, J.**
- \*1987, Yield and tolerance of bell pepper (*Capsicum annuum* L.) cultivars to potato virus Y isolate from Puerto Rico, 71(3), 337 (RN).
- 1988, Bacteria associated with the West Indian fruit fly *Anastrepha obliqua* (Macquart) (Diptera: Tephritidae), 72(3), 489 (RN).
- 1989, *Fulmekiola serrata* (Kobus) (Thysanoptera: Thripidae): A new sugarcane pest in Puerto Rico, 73(4), 391 (RN).
- \*1989, Tumor-like formations in papaya fruit in Puerto Rico, 73 (4), 411. (RN)
- 1990, Silvering of *Cucurbita moschata* (Duchesne) Poir associated with *Bemisia tabaci* Genn. (Homoptera: Aleyrodidae) in Puerto Rico, 74(4), 477 (RN).
- \*1994, Yield of three papaya genotypes and their tolerance to papaya ringspot virus in Puerto Rico, 78(3-4), 111.
- /1996, Survey of viruses affecting pepper (*Capsicum annuum* L.) in southern Puerto Rico, 80(1-2), 77. (RN).
- Esnard, A. M.**
- \*1994, Generation of solar radiation values for use in weather files of crop simulation models, 78(1-2), 33.
- Fehr, W. R.**
- 1986, Premature harvest of soybean seed for rapid generation advance, 70(3), 159.
- 1987, Inheritance of agronomic and seed composition traits in *Glycine max* × *Glycine soja* crosses, 71(1), 53.
- Feliciano, C.**
- \*1986, Bird and rust damage and seed molds in 30 sorghum, *Sorghum bicolor* (L.) Moench., lines in Mayagüez, Puerto Rico, 70(2), 99.
- 1987, Influence of panicle fungicides and harvest schedules on sorghum seed quality under humid tropical conditions in Puerto Rico, 71(1), 75.
- Fernández-Coll, F.**
- \*1986, Thermal resistance of spores of two species of the genus *Bacillus*, 70(3), 189.
- \*1988, Refrigeration before incubation and its effect on recovery of two types of bacteria from food, 72(4), 617 (RN).
- \*1989, Conventional versus the petrifilm method for enumeration of different types of bacteria, 73(3), 183.
- \*1990, Quality evaluation of different types of chicken consumed in Puerto Rico, 74(1), 75.
- \*1991, Growth potential of *Bacillus coagulans* and *Bacillus macerans* in selected commercial acid and acidified foods, 75(2), 191 (RN).
- \*1991, Spore age and its effect on thermal resistance of *Bacillus coagulans* and *Bacillus macerans* in acid ripe plantain puree, 75(3), 205.

- \*1993, Canned chicken products, 77(3-4), 137.
- \*1993, Frozen chicken products, 77(3-4), 145.
- Fernández-Van Cleve, J.**
- 1988, Yield and nutritive value of hay from five tropical grasses at three harvesting intervals, 72(1), 109.
  - 1988, Confinement feeding of dairy cows based on stargrass as green chopped fodder or hay, 72(2), 231.
- Ferwerda, F. H.**
- /1994, Clonal propagation of galanga [*Languas galangas* (L.) Stuntz] through tissue culture, 78(3-4), 147.
- Fierro, C.**
- 1988, Salt and sugar levels for effective plant regeneration from in vitro cultured tissues of cooyam, 72(4), 515.
- Figueroa, L. A.**
- 1988, Yam production. II. Antracnose, yield, and profit of monocultures and interplanting, 72(2), 179.
  - 1990, Comportamiento hortícola de siete clones de plátanos, 74(3), 267.
  - 1991, Comportamiento poscosecha de cuatro cultivares de Yuca almacenada en bolsas de polietileno y con poda, 75(3), 269.
  - 1994, A thermodynamic evaluation of the addition of calcium and magnesium to an Ultisol: I-Ca(OH)<sub>2</sub> addition, 78(3-4), 99.
  - 1996, A thermodynamic evaluation of the addition of calcium and magnesium to an Ultisol: II CaSO<sub>4</sub> addition, 80(1-2), 1.
  - 1996, Comportamiento de patrones en combinación con Tangelo Orlando, 80(3), 203. (RN).
- Figueroa, W.**
- 1989, *Howardula* sp., a nematode new for Puerto Rico parasitizing a parthenogenetic sweet potato associated flea beetle, *Chaetocnema perplexa* Blake, 73(2), 171 (RN).
  - /1990, Biocontrol of the banana root borer weevil, *Cosmopolites solidus* (Germar), with Steinernematid nematodes, 74(1), 15.
- \*1990, Parasitism of entomophilic nematodes on the sugarcane rootstalk borer, *Diaprepes abbreviatus* (L.) (Coleoptera: Curculionidae), larvae, 74(2), 197.
- \*1990, Biocontrol of the sugarcane rootstalk borer, *Diaprepes abbreviatus* (L.) (Coleoptera: Curculionidae), with entomophilic nematodes, 74(4), 395.
- \*1993, Isolates of entomogenous nematodes *Heterorhabditis* spp. and mortality of larvae of *Galleria mellonella*, *Cylas formicarius*, *Eusceptes postfasciatus* and *Cosmopolites solidus*, 77(1-2), 53.
- 1994, *Steinernema puertoricensis* n. sp. (Rhabditida: Steinernematidae), a new entomopathogenic nematode from Puerto Rico, 78(3-4), 167.
- 1995, Morphometric evaluation of 20 *Heterorhabditis* isolates from Puerto Rico, 79 (1-2), 51.
- 1996, Cross hybridization studies with the entomopathogenic nematodes *Steinernema puertoricensis* and *S. cubana*, 80(3), 191. (RN).
- Figueroa-Bultrón, W.**
- /1989, Nematode survey on commercial papaya farms, 73(2), 165 (RN).
- Flores-Ortega, C. A.**
- 1996, *Zantedeschia aethiopica* propagation by tissue culture, 80(3), 193. (RN).
- Fontanet, E.**
- 1988, Pilot plant fermentation of high test molasses compared with blackstrap molasses using factorial design, 72(1), 9.
  - 1988, Yield and nutritive value of hay from five tropical grasses at three harvesting intervals, 72(1), 109.
  - 1988, Pilot plant scale evaluation of a commercial yeast nutrient for high test molasses fermentation, 72(4), 509.
  - 1989, Evaluación química y organoléptica de vino de la variedad Fortuna Blanca, cosecha 1986, 73(1), 11.
  - 1990, Performance of pummelo clones in the central mountain region of Puerto Rico, 74(3), 299.

**Fornaris, G.**

- 1992, Resistencia de seis cultivares comerciales de pimiento de cocinar (*Capsicum annuum* L.) a la mancha bacteriana causada por *Xanthomonas campestris* pv *vesicatoria* (Doige) Dye, 76(2), 97 (RN).

**Fornaris, G. J.**

- 1990, Performance, sizing and total solids of nine onion (*Allium cepa*) cultivars, 74(1), 21.  
 \*1990, Storage tolerance of five short-day onion cultivars during a 12-week period, 74(3), 293.  
 1990, Short-day onion cultivar evaluation in Puerto Rico during 1988-89 growing season, 74(3), 323 (RN).  
 \*1990, Fruit defects, size distribution and sensory evaluation of four commercial tomato cultivars, 74(3), 337 (RN).  
 \*1991, Yield and acceptability of eight fresh market tomato cultivars, 75(1), 93 (RN).

**Fornaris-Rullán, G.**

- 1987, Cultivation and acceptability of carrot cultivars, 71(3), 287.  
 1987, Yield and tolerance of bell pepper (*Capsicum annuum* L.) cultivars to potato virus Y isolate from Puerto Rico, 71(3), 337 (RN).  
 \*1989, Shelf life and quality components of Parvin mango after 15-day storage, 73(4), 295.  
 \*1989, Head characteristics and acceptability of cabbage cultivars grown in southern Puerto Rico, 73(4), 367.  
 \*1990, Influence of storage conditions and market temperature on shelf-life and quality of Keitt mango, 74(2), 189.  
 1990, An evaluation of 10 cucumber (*Cucumis sativa* L.) cultivars in southern Puerto Rico, 74(4), 461 (RN).  
 1990, Silvering of *Cucurbita moschata* (Duchesne) Poir associated with *Bemisia tabaci* Genn. (Homoptera: Aleyrodidae) in Puerto Rico, 74(4), 477 (RN).

**Fox, I.**

- \*1986, Failure of carbaryl-based products to reduce brown dog tick

population in Puerto Rico, 70(4), 299.

**Frame, A. D.**

- \*1987, Three common helminth parasites of cattle in Puerto Rico, 71(2), 231 (RN).  
 1988, Watercress cultivation sites and their relationship to fascioliasis in Puerto Rico, 72(3), 405.  
 1990, Effect of Clorsulon on levels of four inorganic elements in milk, 74(3), 327 (RN).  
 1991, Variations of ovarian position in *Fasciola hepatica* species found in cattle in Puerto Rico, 75(1), 67.

**Frame, E. L.**

- 1988, Watercress cultivation sites and their relationship to fascioliasis in Puerto Rico, 72(3), 405.

**Franqui, R.**

- \*1988, Host plants of pentatomids affecting rice fields in Puerto Rico, 72(3), 365.  
 \*1988, Natural enemies of pentatomids affecting rice fields in Puerto Rico, 72(3), 371.  
 1989, Homoptera-Auchenorrhyncha from rice fields in Puerto Rico, 73(4), 395 (RN).  
 1989, Natural enemies and alternate hosts of *Marasmia trapezalis* (Guenée) affecting rice in Puerto Rico, 73(4), 397 (RN).

**Franqui, R. A.**

- 1989, Natural enemies of the melonworm, *Diaphania hyalinata* L. (Lepidoptera: Pyralidae), in Puerto Rico, 73(4), 313.  
 1990, Hot water dip treatments to destroy *Anastrepha obliqua* larvae (Diptera: Tephritidae) in mangos from Puerto Rico, 74(4), 441.  
 1990, Silvering of *Cucurbita moschata* (Duchesne) Poir associated with *Bemisia tabaci* Genn. (Homoptera: Aleyrodidae) in Puerto Rico, 74(4), 477 (RN).  
 \*1991, *Xyloandrus compactus* (Eichhoff), Coleoptera: Scolytidae, the black twig borer attacking coffee in Puerto Rico, 75(2), 183 (RN).  
 1991, The avocado lacewing bug, *Pseudacysta perseae* (Heidemann) (Hemiptera: Tingidae), in Puerto Rico, 75(2), 185 (RN).

- 1991, New records of, and notes on, whiteflies (Homoptera: Aleyrodidae) from Puerto Rico, 75(3), 297 (RN).
- 1991, La mosca negra de los cítricos, *Aleurocanthus woglumi* Ashby (Homoptera: Aleyrodidae), en Puerto Rico, 75(3), 301 (RN).
- 1991, New thrips record (Insecta: Thysanoptera) from Puerto Rico, 75(3), 311 (RN).
- 1994, New record of, and notes on, insects (Insecta) from Puerto Rico, 78(3-4), 181. (RN)
- Freytag, G. F.**
- 1991, Incorporating resistance to *Xanthomonas campestris* pv. *phaseoli* into bean using the latent period as a resistance marker, 75(4), 345.
- Froeschner, R. C.**
- \*1992, A synopsis of burrowing bugs in Puerto Rico with description of new species *Melanaethus wolcotti* (Heteroptera: Cydnidae), 76(3-4), 177.
- Gallardo, F.**
- 1989, Natural enemies of the melonworm, *Diaphania hyalinata* L. (Lepidoptera: Pyralidae), in Puerto Rico, 73(4), 313.
- 1996, Minador de los cítricos: *Phyllocnistis citrella* Stainton, en Puerto Rico, 80(1-2), 85. (RN).
- Gallardo-Covas, F.**
- /1986, Susceptibility of 7 cultivars of *Coffea arabica* (L.) to *Leucoptera coffeella* (Guérin Meneville), 70(4), 307 (RN).
- 1987, The insects of níspero [*Mamilkara zapota* (L.) P. van Roer] in Puerto Rico, 71(1), 129 (RN).
- /1987, Soil systemic insecticides to control the coffee leafminer, *Leucoptera coffeella* (Guérin Meneville), in Puerto Rico, 71(2), 185.
- /1987, *Platypus ratzeburgii* Chapuis (Coleoptera: Platypodidae): A new pest attacking coffee, 71(3), 335 (RN).
- /1988, Distribution of coffee leafminer, *Leucoptera coffeella*, and its parasitoids in the canopy of coffee, *Coffea arabica*, Puerto Rico, 72(1), 141.
- \*1988, Susceptibilidad de 53 cultivares de café, *Coffea arabica*, al daño del minador del café, *Leucoptera coffeella*, en Puerto Rico, 72(1), 165 (RN).
- /1988, Faunal survey on the coffee leafminer, *Leucoptera coffeella*, parasitoids in Puerto Rico, 72(2), 255.
- 1991, *Xylosandrus compactus* (Eichhoff), Coleoptera: Scolytidae, the black twig borer attacking coffee in Puerto Rico, 75(2), 183 (RN).
- /1992, Permethrin 3.2 EC and fluvalinate aquaflow and stages of the coffee leafminer, *Leucoptera coffeella* (Lepidoptera: Lyonetiidae), 76(2), 35.
- /1992, Augmentation of *Mirax insularis* Muesebeck: alternative for population control of the coffee leafminer, *Leucoptera coffeella*, 76(2), 43.
- Garrison, S. A.**
- 1989, Growth, maturity and flowering of pigeon peas, *Cajanus cajan* L. Millsp., at high latitudes, 73(3), 223.
- George, C.**
- 1990, Studies to extend the dormancy of white yam (*Dioscorea alata* L.), 74 (3), 213.
- George, J. E.**
- 1995, Microencapsulated permethrin sprays for control of southern cattle tick, *Boophilus microplus* (Canestrini) (Acar: Ixodidae), infesting Holstein dairy heifers on Saint Croix, U.S. Virgin Islands, 79(3-4), 93.
- Godoy, G.**
- 1990, Evaluation of dry beans for resistance to ashy stem blight, 74(4), 349.
- Goenaga, R.**
- \*1989, Ethephon for induction of multiple tubers in the water yam (*D. alata*), 73(3), 195.
- \*1990, Flowering induction, pollen and seed viability and artificial hybridization of taniers, (*Xanthosoma* spp.), 74(3), 253.
- 1990, Rapid methods for determining tanier (*Xanthosoma* spp.) root responses to soil acidity, 74(4), 365.

- \*1991, Estimation of leaf area in three tanier (*Xanthosoma* spp.) cultivars grown in Puerto Rico, 75(3), 313 (RN).
- \*1993, Nutrient uptake, growth and yield performance of three tanier (*Xanthosoma* spp.) cultivars grown under intensive management, 77(1-2), 1.
- 1994, Generation of solar radiation values for use in weather files of crop simulation models, 78(1-2), 33.
- /1994, Growth, nutrient uptake and yield of tanier (*Xanthosoma* spp.) grown under semiarid conditions, 78(3-4), 87.
- 1995, Yield and quality of 'Superplátano' (*Musa*, AAB) grown with drip irrigation in the semiarid region of Puerto Rico, 79 (1-2), 1.
- \*1995, Drip irrigation recommendations for plantain and banana grown on the semiarid southern coast of Puerto Rico, 79 (1-2), 13.
- 1995, Nutrient uptake and dry matter yield in the 'Gunung' yam (*Dioscorea alata*) grown on an Ultisol without vine support, 79(3-4), 121.
- \*1996, Estimation of leaf area of taro [*Colocasia esculenta* (L.) Schott] from linear measurements, 80(3), 183. (RN).
- González, A.**
- \*1987, N and P fertilizers and growth and yield of sweet pepper, 71(2), 209.
  - \*1989, Rendimiento y evaluación sensorial de cultivares de los ñames *D. rotundata* y *D. cayenensis*, 73(3), 203.
  - 1990, Further evaluation of herbicides in yam (*Dioscorea* sp.), 74(3), 221.
  - \*1990, Comportamiento hortícola de siete clones de plátano, 74(3), 267.
  - 1990, Efecto del herbicida ametrina como control preemergente de yerbajos en apio (*Arracacia xanthorrhiza* Bancroft), 74(3), 273.
  - \*1991, Efecto de la rotación de cultivos en la producción de yautías, 75(1), 87 (RN).
- \*1991, Comportamiento poscosecha de cuatro cultivares de Yuca almacenada en bolsas de polietileno y con poda, 75(3), 269.
- 1993, Tillage and fertilizer rate effects on yam (*Dioscorea alata* L.) yields, 77(3-4), 153.
- González, A.**
- 1995, Smooth pigweed (*Amaranthus hybridus* L.) interference with snap bean (*Phaseolus vulgaris* L.) quality, 79(3-4), 173.
- González, A. L.**
- 1990, Effect on yam (*Dioscorea rotundata* Poir) of soil spray and seed treatment with the nematicide-insecticide Oxamyl L., and soil treatment with Phenamiphos 15 G., 74(2), 103.
- González, E. A.**
- 1988, Temperature versus elevation relationships for Puerto Rico, 72(3), 449.
  - 1988, Requisitos de riego para sorgo en las costas sur y norte de Puerto Rico, 72(4), 585.
  - 1988, Requisitos de riego para plátano en siete regiones ecológicas de Puerto Rico, 72(4), 599.
  - 1988, Seasonal consumptive use of water by bell and Cubanelle peppers in semiarid and humid coastal sites in Puerto Rico, 72(4), 609.
  - 1989, Monthly consumptive use of (water by) rice in the semiarid and humid regions of Puerto Rico, 73(1), 31.
  - 1989, Normal monthly class A pan evaporation for Agricultural Experiment Substations in Puerto Rico, 73(1), 85 (RN).
  - 1989, Coeficiente evapórimétrico para Puerto Rico, 73(1), 89 (RN).
  - 1989, Monthly consumptive use of (water by) sugarcane in four climatic regions of Puerto Rico, 73(1), 93 (RN).
  - 1989, Monthly water consumptive use of papaya in four climatic regions of Puerto Rico, 73(2), 175 (RN).
- González, G.**
- 1990, Productividad marginal de la inversión en la investigación sobre café en la Estación Experimental Agrícola, 74(4), 427.

**González (de), I. M.**

1989, Evaluación química y organoléptica de vino de la variedad Fortuna Blanca, cosecha 1986, 73(1), 11.

**González, O.**

\*1990, Symptomatology and control of scion dieback in graft-propagated cocoa (*Theobroma cacao L.*), 74(2), 207 (RN).

**González, W.**

1990, Performance of pummelo clones in the central mountain region of Puerto Rico, 74(3), 299.

1996, Patogenicidad de *Myrothecium roridum* y *Rhizoctonia solani* en cafetos en el vivero, 80(3), 135.

**González-Figueroa, W.**

1988, Bacteria associated with the West Indian fruit fly *Anastrepha obliqua* (Macquart) (Diptera: Tephritidae), 72(3), 489 (RN).

**González-Fuentes, E. A.**

\*1988, Estimación de los requisitos de riego para maíz dulce (*Zea mays* cv. Suresweet) en la costa sur de Puerto Rico, 72(2), 277.

\*1988, Tres niveles de riego y crecimiento y rendimiento del maíz dulce (*Zea mays* cv. Suresweet) regado por goteo, 72(4), 565.

**González-Ibáñez, J.**

/1986, Control by several herbicides of Alexander grass, *Bracharia plantaginea* (Link) Hitchc., in the greenhouse, 70(3), 207.

/1987, Pre- and post-emergence control of Vasey grass (*Paspalum urvillei* Steud.) with several herbicides, 71(2), 233 (RN).

1987, Integrated weed management in transplanted tomatoes and peppers under drip irrigation, 71(4), 349.

**González-Muñiz, W.**

1988, Susceptibilidad de 53 cultivares de café, *Coffea arabica*, al daño del minador del café, *Leucoptera coffeeella*, en Puerto Rico, 72(1), 165 (RN).

**González-Vélez, A.**

\*1989, Rendimiento y resistencia a la antracnosis de 5 cultivares de ñame, *Dioscorea rotundata* Poir in Lam, 73(4), 381 (RN).

\*1995, Evaluación sensorial de los cultívares de ñame Binugas y

Gunung (*Dioscorea alata*) cosechados a distintos meses de la siembra, 79(1-2), 85. (RN)

\*1996, Comportamiento de patrones en combinación con Tangelo Orlando, 80(3), 203. (RN).

**Gordon, R.**

\*1990, Biología del picudo del pimiento, *Anthonomus eugenii* Cano (Coleóptero: Curculionidae), en Puerto Rico, 74(1), 69.

**Gordon-Mendoza, R.**

\*1991, Nuevo hospedero alterno del picudo del pimiento, *Anthonomus eugenii* Cano, en Puerto Rico, 75(4), 423 (RN).

**Goyal, M.**

1991, Levels and methods of potassium fertilization on tomato cv Duke yield, 75(2), 111.

**Goyal, M. R.**

1986, Effects of water application rates and planting density on growth parameters of drip irrigated onion, 70(2), 135.

1986, Average monthly and annual rainfall distribution in Puerto Rico, 70(4), 267.

1986, Mulch types for soil moisture retention in drip irrigated summer and white peppers, 70(4), 303 (RN).

\*1987, Evaluation of coffee separating machines, 71(1), 113.

\*1987, Evaluation of hand-operated coffee picker, 71(1), 121 (RN).

1987, Integrated weed management in transplanted tomatoes and peppers under drip irrigation, 71(4), 349.

/1987, In situ recovery of dry irrigated cabbage roots, 71(4), 419 (RN).

\*1987, Soil moisture potential distribution around an emitter, 71(4), 423 (RN).

1988, Cost of a drip irrigation system for vegetable farming in Puerto Rico, 72(1), 31.

\*1988, Labor-input requirements for experimental production of drip irrigated vegetables, 72(1), 41.

\*1988, Root distribution of nitrogen fertigated sweet peppers under drip irrigation, 72(1), 51.

/1988, Potential evapotranspiration for the south coast of Puerto Rico

- with the Hargreaves-Samani technique, 72(1), 57.
- /1988, Potential evapotranspiration for Vieques Island, Puerto Rico, with the Hargreaves-Samani model, 72(1), 177 (RN).
- 1988, Estimación de los requisitos de riego para maíz dulce (*Zea mays* cv. Suresweet) en la costa sur de Puerto Rico, 72(2), 277.
- \*1988, Temperature versus elevation relationships for Puerto Rico, 72(3), 449.
- 1988, Tres niveles de riego y crecimiento y rendimiento del maíz dulce (*Zea mays* cv. Suresweet) regado por goteo, 72(4), 565.
- 1988, Nutrient uptake and growth characteristics of nitrogen fertigated sweet peppers under drip irrigation and plastic mulch, 72(4), 575.
- \*1988, Requisitos de riego para sorgo en las costas sur y norte de Puerto Rico, 72(4), 585.
- \*1988, Requisitos de riego para plátano en siete regiones ecológicas de Puerto Rico, 72(4), 599.
- \*1988, Seasonal consumptive use of water by bell and Cubanelle peppers in semiarid and humid coastal sites in Puerto Rico, 72(4), 609.
- \*1989, Monthly consumptive use of (water by) rice in the semiarid and humid regions of Puerto Rico, 73(1), 31.
- \*1989, Normal monthly class A pan evaporation for Agricultural Experiment Substations in Puerto Rico, 73(1), 85 (RN).
- \*1989, Coeficiente evapotranspirativo para Puerto Rico, 73(1), 89 (RN).
- \*1989, Monthly consumptive use of (water by) sugarcane in four climatic regions of Puerto Rico, 73(1), 93 (RN).
- \*1989, Post-harvest evaluation of nitrogen fertigated sweet peppers under drip irrigation and plastic mulch, 73 (2), 109.
- \*1989, Monthly water consumptive use of papaya in four climatic regions of Puerto Rico, 73(2), 175 (RN).
- 1989, Selective herbicides to control grass seeds in transplanted tomatoes and peppers, 73(3), 231.
- \*1989, Tomato and sweet pepper response to furrow, microsprinkler drip irrigation, 73(3), 239.
- 1990, Class A pan evaporation versus potential evapotranspiration at seven locations in Puerto Rico, 74(3), 343 (RN).
- \*1991, Estimation of potential evapotranspiration with Hargreaves-Samani Model at various locations in Puerto Rico, 75(1), 107 (RN).
- Green, J.**
- 1988, Yam production. II. Antracnose, yield, and profit of monocultures and interplanting, 72(2), 179.
- Gregory, B. M., Jr.**
- \*1991, *Articarsia gemmatalis* (Lepidoptera: Noctuidae) in Puerto Rico: A new host-plant and two new bird predators, 75(3), 295 (RN).
- Guadalupe, R.**
- 1989, Post-harvest evaluation of nitrogen fertigated sweet peppers under drip irrigation and plastic mulch, 73 (2), 109.
- 1989, Performance of elite banana (*Musa acuminata* AAA) cultivars at four locations of Puerto Rico, 73(3), 209.
- 1990, Performance, sizing and total solids of nine onion (*Allium cepa*) cultivars, 74(1), 21.
- 1990, Storage tolerance of five short-day onion cultivars during a 12-week period, 74(3), 293.
- 1990, Fruit defects, size distribution and sensory evaluation of four commercial tomato cultivars, 74(3), 337 (RN).
- Guadalupe-Luna, R.**
- 1989, Shelf life and quality components of Parvin mango after 15-day storage, 73(4), 295.
- 1990, Influence of storage conditions and market temperature on shelf-life and quality of Keitt mango, 74(2), 189.
- \*1991, Degreening of Red Spanish pineapple after field heat removal, 75(1), 37.

**Guzmán-Pérez, C. D.**

- 1988, Allelopathic effects of seven weed species to pumpkin (*Cucurbita moschata*) under greenhouse conditions, 72(3), 491 (RN).  
 1988, Eggplant (*Solanum melongena* L.) transplants and exudates from roots of seven weeds, 72(3), 495 (RN).

**Hantula, J.**

- \*1987, Genic and color polymorphism in Puerto Rican Phyllobiine weevils *Diaprepes abbreviatus* (L.) and *Compsus maricae* Wolcott, 71(4), 391.

**Hepperly, P.**

- 1986, Premature harvest of soybean seed for rapid generation advance, 70(3), 159.  
 1987, Sources of resistance to early blight, *Alternaria solani*, and transfer to tomato, *Lycopersicon esculentum*, 71(1), 85.  
 1990, Performance of two forage sorghum hybrids in southwest Puerto Rico, 74(1), 1.  
 1990, Symptomatology and control of scion dieback in graft-propagated cocoa (*Theobroma cacao* L.), 74(2), 207 (RN).  
 1990, Flowering induction, pollen and seed viability and artificial hybridization of taniers, (*Xanthosoma* spp.), 74(3), 253.  
 1991, Dry bean seed quality in Honduras, 75(2), 125.

**Hepperly, P. R.**

- \*1986, Constraints to pigeon pea production under semi-arid conditions in Puerto Rico, 70(1), 25.  
 \*1986, A new blight of pigeon pea in Puerto Rico, 70(1), 79 (RN).  
 1986, Bird and rust damage and seed molds in 30 sorghum, *Sorghum bicolor* (L.) Moench., lines in Mayagüez, Puerto Rico, 70(2), 99.  
 /1986, *Hansfordia* sp.: A parasitic pathogen of dematiceous plant pathogenic fungi in Puerto Rico, 70(2), 113.  
 \*1986, The identity and characterization of downy mildew on sorghum in Puerto Rico, 70(3), 217(RN).

- \*1986, Bacterial basal rot of straw mushrooms, 70(3), 219 (RN).  
 \*1987, Influence of panicle fungicides and harvest schedules on sorghum seed quality under humid tropical conditions in Puerto Rico, 71(1), 75.  
 1987, Internal mycroflora of Chinese straw mushroom basidiocarps—in vitro effects of mushroom growth, 71(2), 159.  
 1987, Fungicides to control fungal competitors in Chinese straw mushroom, 71(2), 165.  
 \*1987, *Erwina chrysanthemi* Burk., McFadden & Dimock: A bacterial whorl and stalk rot pathogen of sorghum [*Sorghum bicolor* (L.) Moench], 71(3), 265.  
 \*1987, New sorghum leaf blight resistance sources: Identification, description and recreation of F<sub>1</sub> hybrids, 71(3), 293.  
 \*1987, Fruity aromas from pink mold and their association with insect attraction, 71(3), 327 (RN).  
 1988, Nutritional influences on *Volvariella volvacea* (Bull, ex Fr) Sing. growth in Puerto Rico. I. Carbon and Nitrogen, 72(1), 19.  
 /1988, Sorghum rust, 72(1), 65.  
 1988, Fungi and insect damage to soybean seeds harvested at immature stages in tropical environments, 72(1), 73.  
 1988, Yam production. II. Antracnose, yield, and profit of monocultures and interplanting, 72(2), 179.  
 1988, Agronomic performance of hard endosperm opaque-2 corn populations in Puerto Rico, 72(2), 309.  
 /1988, *Coniothyrium* leafspot: A newly described disease of sorghum, 72(2), 319 (RN).  
 \*1989, Mycroflora and germination of maize seed, 73(2), 115.  
 \*1989, Tropical yam (*Dioscorea* spp.) performance in western Puerto Rico, 73(2), 133.  
 /1990, Sorghum rust. II. Control and losses, 74(1), 37.  
 /1991, Sorghum rust. III. Losses in hybrids under semi-arid conditions, 75(3), 233.

**Hernández, E.**

- 1994, Yield of five dwarf banana cultivars grown with minimum tillage in Puerto Rico's mountain region, 78(1-2), 1.  
 1994, Cultivares de café Catuai, Borbón y Pacas y el daño del minador de la hoja del cafeto, 78(3-4), 193 (RN).

**Hernández (de), E. R.**

- 1989, Post-harvest evaluation of nitrogen fertigated sweet peppers under drip irrigation and plastic mulch, 73 (2), 109.

**Hernández-López, E.**

- 1988, Susceptibilidad de 53 cultivares de café, *Coffea arabica*, al daño del minador del café, *Leucoptera coffeella*, en Puerto Rico, 72(1), 165 (RN).

**Howard, F. W.**

- \*1990, Geographical and seasonal distribution of coconut mite, *Aceria guerreronis* (Acari: Eriophyidae), in Puerto Rico and Florida, USA, 74(3), 237.

**Huertas-Díaz, H.**

- /1990, The fermentation of blackstrap molasses supplemented with four different nutrients, 74(4), 467 (RN).  
 \*1991, Fermentation of sugarcane juice and blackstrap molasses by *Zymomonas mobilis*, 75(1), 43.

**Hunter III, J. S.**

- 1995, Microencapsulated permethrin sprays for control of southern cattle tick, *Boophilus microplus* (Canestrini) (Acari: Ixodidae), infesting Holstein dairy heifers on Saint Croix, U.S. Virgin Islands, 79(3-4), 93.

**Ingles, R.**

- 1987, The insects of níspero [*Mallikara zapota* (L.) P. van Roger] in Puerto Rico, 71(1), 129 (RN).  
 \*1989, Evaluación de plaguicidas y métodos para combatir el picudo negro del plátano, (*Cosmopolites sordidus* Germar), 73(2), 97.

**Inserni, M. M.**

- 1996, Index to The Journal of Agriculture of the University of Puerto Rico, Volumes 70 to 80 (1986 to 1996), Supplement No. 4, 80(4), 211.

**Irizarry, H.**

- \*1988, Nutrient uptake and dry matter composition in the plant crop and first ratoon of the Grand Nain banana grown in an Ultisol, 72(3), 337.  
 \*1988, The Lacknau plantain: A high yielding cultivar with field resistance to the corm weevil, *Cosmopolites sordidus* (Germar), 72(3), 353.  
 1989, Ethephon for induction of multiple tubers in the water yam (*D. alata*), 73(3), 195.  
 \*1989, Performance of elite banana (*Musa acuminata* AAA) cultivars at four locations of Puerto Rico, 73(3), 209.  
 \*1990, Response of bananas (*Musa acuminata*, AAA) to magnesium fertilization in an Ultisol, 74(4), 419.  
 1991, Efecto de cultivos intercalados en el control de malezas y la producción de ñame y batata, 75(1), 11.  
 \*1991, Proper bunch management of the French-type superplantain (*Musa acuminata* × *M. balbisiana*, AAB) in Puerto Rico, 75(2), 163.  
 \*1992, Bunch and ratoon management for profitable production of high quality bananas (*Musa acuminata*, AAA), 76(3-4), 119.  
 \*1993, Yield of two yam (*Dioscorea alata*) cultivars with three planting dates and two planting systems, 77(3-4), 161.  
 1993, Leaching of Mg fertilizer in Puerto Rican Ultisols, 77(3-4), 167.  
 \*1994, Yield of five dwarf banana cultivars grown with minimum tillage in Puerto Rico's mountain region, 78(1-2), 1.  
 \*1995, Yield and quality of 'Superplátano' (*Musa*, AAB) grown with drip irrigation in the semiarid region of Puerto Rico, 79 (1-2), 1.  
 1995, Drip irrigation recommendations for plantain and banana grown on the semiarid southern coast of Puerto Rico, 79 (1-2), 13.  
 \*1995, Nutrient uptake and dry matter yield in the 'Gunung' yam (*Dioscorea alata*) grown on an

- Jackson, G. C.**
- /1986, Additional host plants of the carpenter bee, *Xylocopa brasiliensis* (L.) (Hymenoptera: Apoidea), in Puerto Rico, 70(4), 255.
- Jiménez, J. A.**
- \*1989, Imbibition, germination and cooking time of seeds of dry beans (*Phaseolus vulgaris* L.) stored in different containers, 73(4), 327.
- Jordán-Molero, F. L.**
- /1986, Behavior of six okra, *Abelmoschus esculentus* (L.) Moench, varieties as a vegetable and as a grain, 70(1), 57.
  - /1986, Effect of planting position, pruning and size of slip on the vegetative development of pineapple, *Ananas comosus* (L.) Merr cv. Smooth Cayenne, 70(1), 63.
- Kahn, B. A.**
- 1995, Production and movement of branching agent in *Poinsettia* leaf and stem, 79(3-4), 139.
- Kluson, R.**
- 1987, Nitrogen levels and *Rhizobium* inoculation and yields of native white bean (*Phaseolus vulgaris*), 71(1), 1.
  - 1988, *Rhizobium* inoculation of *Phaseolus vulgaris* in Lajas, Puerto Rico, 72(3), 427.
- Krikorian, A. D.**
- 1991, Proper bunch management of the French-type superplantain (*Musa acuminata* × *M. balbisiana*, AAB) in Puerto Rico, 75(2), 163.
- Lara-Márquez, J.**
- \*1992, Aplicación de exoesqueleto de camarón, fertilidad del suelo y crecimiento del tomate, 76(1), 21.
  - \*1993, Exoesqueleto de camarón para controlar el nematodo nodulador, *Meloidogyne incognita*, en tomate en el invernadero, 77(3-4), 229.
- Latorre, J. R.**
- 1994, Three dietary protein levels in the production of squab broilers, 78(1-2), 51. (RN)
- Lee, C. T.**
- /1988, Effect of plant spacing on growth and yield of winged bean, 72(2), 273.
- Licha, M.**
- 1988, Tanier (*Xanthosoma* spp.) propagation in vitro, 72(3), 413.
- Liu, L. C.**
- \*1986, Herbicide evaluation for rice, 70(4), 293.
  - 1987, Competition of pigweed (*Amaranthus dubius*) with sweetpotato (*Ipomoea batatas*), 71(1), 7.
  - \*1987, Methods for controlling joint-vetch and waterprimrose in rice fields in Puerto Rico, 71(1), 107.
  - \*1987, Bentazon mixtures to control weeds in rice, 71(2), 217.
  - \*1987, Integrated weed management in transplanted tomatoes and peppers under drip irrigation, 71(4), 349.
  - 1988, Período crítico de competencia de las malezas en el tomate de trasplante, 72(2), 291.
  - \*1988, Optimum time interval and frequency of glyphosate application for weed control in plantain (*Musa* sp.), 72(2), 297.
  - \*1988, Chemical control of climbing mimosa in a local pasture, 72(4), 615 (RN).
  - 1989, Effect of four herbicides on the establishment and forage yield of stargrass in Puerto Rico, 73(2), 149.
  - \*1989, Selective herbicides to control grass seeds in transplanted tomatoes and peppers, 73(3), 231.
  - \*1990, Further evaluation of herbicides in yam (*Dioscorea* sp.), 74(3), 221.
  - /1990, Chemical control of *Albizia* and mesquite in two selected pastures in southwestern Puerto Rico, 74(4), 433.
  - \*1990, Herbicide drift control in plantain and taniers, 74(4), 471 (RN).
  - \*1991, Persistence of three herbicides in a drip-irrigated banana field, 75(1), 19.
  - 1991, Chemical weed control in sweet cherry peppers, 75(3), 261.
  - \*1991, Further evaluation of herbicides in peppers, 75(4), 391.

- \*1992, Effect of four herbicides on establishment and forage yield of Guinea grass in Puerto Rico, 76(1), 15.
- \*1992, Chemical weed control in pumpkin, 76(2), 55.
- \*1993, Two grass herbicides for pineapple fields, 77(1-2), 45.
- \*1993, Fluazifop and quizalofop, grass herbicides, in coffee, 77(3-4), 201.
- 1994, Weed control trials in sweet cherry peppers in 1991 and 1992, 78(1-2), 45.
- \*1994, Sequential herbicide application in yams, 78(3-4), 177. (RN)
- 1995, Weed control in pasture establishment, 79(3-4), 181. (RN)
- 1995, Factores que causan la decadencia del platanal, 79(3-4), 187. (RN)
- Liu, L. J.**
- \*1988, Tanier (*Xanthosoma* spp.) propagation in vitro, 72(3), 413.
  - \*1989, In vitro propagation of plantain (*Musa acuminata* × *M. balbisiana* ABB) and banana (*M. acuminata* AAA) in Puerto Rico, 73(1), 51.
  - \*1989, Smooth leaf (spineless) Red Spanish pineapple (*Ananas comosus*) propagated in vitro, 73(4), 301.
  - 1995, Factores que causan la decadencia del platanal, 79(3-4), 187. (RN)
- Lizardi, E.**
- 1989, In vitro propagation of plantain (*Musa acuminata* × *M. balbisiana* ABB) and banana (*M. acuminata* AAA) in Puerto Rico, 73(1), 51.
  - 1989, Smooth leaf (spineless) Red Spanish pineapple (*Ananas comosus*) propagated in vitro, 73(4), 301.
- Lokki, J.**
- 1987, Genic and color polymorphism in Puerto Rican Phylobiine weevils *Diaprepes abbreviatus* (L.) and *Compsus maricao* Wolcott, 71(4), 391.
- López, J.**
- 1987, Growth and yield of mango trees at three stages of development influenced by rootstock, scion variety, 71(4), 341.
- 1988, Dwarfing effect of interstems on growth and yield components of mango, 72(4), 501.
- López, J. M.**
- 1989, Pathogenicity of *Meloidogyne incognita* in tanier (*Xanthosoma caracu*), 73(3), 277 (RN).
- López-Rosa, J. H.**
- 1991, Incorporating resistance to *Xanthomonas campestris* pv. *phaseoli* into bean using the latent period as a resistance marker, 75(4), 345.
- Lozada-Robles, P. W.**
- 1991, A new species of *Apronius* Stål (Stenopodinae: Reduviidae) from Peru, 75(4), 407.
- Lozano, J.**
- \*1986, Effect of straw disposal method and of nitrogen rates on rice yields and recovery of fertilizer nitrogen, 70(2), 91.
- Lozano, J. M.**
- 1986, Herbicide evaluation for rice, 70(4), 293.
  - 1987, Methods for controlling joint-vetch and waterprimrose in rice fields in Puerto Rico, 71(1), 107.
  - 1987, Bentazon mixtures to control weeds in rice, 71(2), 217.
- Luciano, B.**
- 1988, Determinate pigeon pea [*Cajanus cajan* (L.) Millsp.] genotypes on the north and south coasts of Puerto Rico, 72(4), 545.
  - 1990, Pumpkin (*Cucurbita moschata*) breeding priorities based on a survey among Puerto Rican consumers, 74(3), 229.
- Lugo, H. M.**
- 1993, Structural stability, pore size distribution and surface charge properties of clay soils with varying mineralogy and organic matter contents, 77(1-2), 11.
  - 1993, Tillage and fertilizer rate effects on yam (*Dioscorea alata* L.) yields, 77(3-4), 153.
- Lugo, M. de L.**
- \*1989, Variedades de tomate (*Lycopersicon esculentum* Mill.) y susceptibilidad al nematodo *Meloidogyne incognita*, 73(1), 83 (RN).
  - \*1989, Effect of four herbicides on the establishment and forage yield

- of stargrass in Puerto Rico, 73(2), 149.
- \*1989, Suitability of pumpkin genotypes as hosts of *Meloidogyne incognita*, 73(2), 167 (RN).
- \*1994, Combined effect of large crabgrass and smooth pigweed densities on snap bean yield, 78(1-2), 63, (RN).
- 1994, Sequential herbicide application in yams, 78(3-4), 177. (RN)
- \*1995, Smooth pigweed (*Amaranthus hybridus* L.) interference with snap bean (*Phaseolus vulgaris* L.) quality, 79(3-4), 173.
- \*1995, Weed control in pasture establishment, 79(3-4), 181. (RN).
- \*1996, Herbicide screening in cilantro and spiny coriander, 80(1), 73. (RN).
- /1996, Competitiveness of smooth pigweed, large crabgrass and snap bean under greenhouse conditions, 80(3), 199. (RN).
- Lugo, M. L.**
- \*1988, Período crítico de competencia de las malezas en el tomate de trasplante, 72(2), 291.
- Lugo, W. I.**
- 1991, Efecto de la rotación de cultivos en la producción de yautías, 75(1), 87 (RN).
- \*1993, Tillage and fertilizer rate effects on yam (*Dioscorea alata* L.) yields, 77(3-4), 153
- \*1996, Index to The Journal of Agriculture of the University of Puerto Rico, Volumes 70 to 80 (1986 to 1996), Supplement No. 4, 80(4), 211.
- Lugo-López, M. A.**
- 1987, Restoration of productivity in tropical eroded soils under appropriate management, 71(1), 13.
- 1987, Soil erosion in southeastern Haiti, 71(2), 239 (RN).
- \*1995, Magnitude of soil losses throughout the Caribbean, 79(1-2), 89. (RN)
- Lugo-Mercado, H.**
- 1991, Efecto de la rotación de cultivos en la producción de yautías, 75(1), 87 (RN).
- Lugo-Mercado, H. M.**
- \*1987, Yield response of watermelon, tomato and pigeon pea to land preparation techniques in southern Puerto Rico, 71(2), 203.
- 1987, Tillage, physical properties of Coto clay and the yields of plantain and sweet potato, 71(3), 307.
- \*1988, Yield response of vegetables to tillage techniques on a Vertisol of the semiarid region of Puerto Rico, 72(1), 119.
- Madera-Torres, P.**
- 1995, Yield and agronomic evaluation of ten sorghum hybrids on the south coast of Puerto Rico in 1993 and 1994, 79(3-4), 131.
- Maldonado-Capriles, J.**
- /1986, The *Reduviidae* (Hemiptera) of Puerto Rico: An Annotated List, 70(1), 1.
- /1986, The genus *Pnirontis*, the subimermis group of species (Hemiptera: Reduviidae: Stenopodainae), 70(1), 9.
- /1987, Orbella, a new harpactorine genus (Hemiptera: Reduviidae), 71(2), 193.
- /1987, New names in *Veledella* and *Sastrapada*, first description of male *Lamotteus ornatus* Villiers. (Reduviidae), 71(2), 199.
- /1987, *Homalocoris punctatus* n. sp. and key to the species in the genus (Reduviidae: Microtominae), 71(3), 249.
- 1987, New records of mites for Puerto Rico, 71(4), 399.
- 1988, Contribution to the knowledge of *Rasahus* Amyot and Seville, 1843 (Hemiptera: Reduviidae): Description of a new species, 72(2), 247.
- 1988, Contributions to the knowledge of American Ectrichodiinae. I. Notes about *Rhiginia* (Hemiptera: Reduviidae), 72(2), 251.
- 1990, Contribution to the knowledge of American Ectrichodiinae. II. Notes about *Rhiginia* and *Pothea*, 74(4), 449.
- 1991, Contribution to the knowledge of American Ectrichodiinae. III. The genus *Cricetopareis* Bredin, 1903. (Hemiptera: Reduviidae), 75(1), 81.
- \*1991, A new species of *Apronius* Stål (Stenopodainae: Reduviidae) from Peru, 75(4), 407

- /1992, On a small collection of Reduviidae (Insecta: Heteroptera) from Brazil, 76(1), 9.
- 1992, A synopsis of burrowing bugs in Puerto Rico with description of new species *Melanaethus wolkotti* (Heteroptera: Cydnidae), 76(3-4), 177.
- /1992, New host for *Pseudopteromalus calandrae* (Howard) (Hymenoptera: Pteromalidae) in Puerto Rico, 76(3-4), 209 (RN).
- \*1993, *Paleoploiariola venosa*, a new fossil Emesinae (Heteroptera: Reduviidae) genus and species from Dominican amber, 77(1-2), 95.
- \*1996, *Paralienates hyalinus* N. Gen. and N. Sp. (Enicocephalidae: Heteroptera): Fossil gnat bug from Dominican amber (lower Oligocene-upper Eocene), 80(1-2), 47.
- Mangual-Crespo, G.**
- \*1987, Nitrogen levels and *Rhizobium* inoculation and yields of native white bean (*Phaseolus vulgaris*), 71(1), 1.
- Mari-Mutt, J. A.**
- /1986, Collembola associated with grasses in the grounds of the University of Puerto Rico at Mayagüez, 70(1), 74 (RN).
- /1987, Redescription of *Seria oceanica* Yosii, 1960 (Collembola: Entomobryidae), 71(3), 331 (RN).
- Márquez, P.**
- 1991, Effect of N and K levels and planting density on pineapple fruit yield and quality, 75(4), 319.
- Márquez-Méndez, P. E.**
- \*1991, Aspectos económicos de la inducción de la floración en la piña Cabezona en Lajas, 75(1), 105 (RN).
- Marrero, E.**
- 1992, Determination of economic stocking rates for beef cattle grazing stargrass under two fertilizer levels, 76(3-4), 131.
- Martin, F. W.**
- /1986, Sugars in staple type sweet potatoes as affected by cooking and storage, 70(2), 121.
- \*1987, Sources of resistance to early blight, *Alternaria solani*, and transfer to tomato, *Lycopersicon esculentum*, 71(1), 85.
- /1987, Genes for long shelf-life in tomato, 71(3), 313.
- \*1987, Culinary characteristics of new selections of sweet potato, 71(4), 365.
- /1987, Fried chips from staple-type sweet potatoes, 71(4), 373.
- /1987, Planting dates and yields of four sweet potato clones in Puerto Rico, 71(4), 379.
- \*1988, Sensory evaluation of cooked new sweet potato selections, 72(2), 265.
- /1988, Planting dates and morphology and growth of four sweet potato clones in Puerto Rico, 72(3), 437.
- 1990, Fruit characteristics of 18 pomelo varieties with potential for commercial production in Puerto Rico, 74(3), 331 (RN).
- Martínez, G. A.**
- /1991, The effect of liming on the exchangeable magnesium levels of two highly weathered soils of Puerto Rico, 75(1), 101 (RN).
- \*1991, An alternate method for determination of cations in solution of small soil samples, 75(3), 223.
- \*1994, A thermodynamic evaluation of the addition of calcium and magnesium to an Ultisol: I-Ca(OH)<sub>2</sub> addition, 78(3-4), 99.
- \*1996, A thermodynamic evaluation of the addition of calcium and magnesium to an Ultisol: II CaSO<sub>4</sub> addition, 80(1-2), 1.
- Martínez, M.**
- 1990, Evaluation of dry beans for resistance to ashy stem blight, 74(4), 349.
- \*1992, Effect of gibberellic acid on phyllotaxy of bud grafted cacao (*Theobroma cacao* L.) 76(1), 33 (RN).
- Martínez, O.**
- 1995, Shelf-stable pineapple slices preserved by combined methods, 79 (1-2), 75.
- Martínez-Garrastazú, S.**
- 1989, Sapodilla (*Manilkara sapota* L. V. Rogen, *Achras sapota* Linn.) variety trials at southern Puerto Rico, 73(3), 255.
- 1992, Sensorial and chemical evaluation of sapodilla (*Manilkara*

- sapota** L. V. Rogen, *Achras sapota* Lynn.) varieties, 76(2), 103 (RN).
- Martínez-Rivera, W.**
- \*1987, Tillage, physical properties of Coto clay and the yields of plantain and sweet potato, 71(3), 307.
- Mascary, M.**
- \*1992, Suplementación de vacas lecheras mediante apacentamiento en *Leucaena leucocephala* por 3 horas durante la sequía y la época lluviosa, 76(2), 83.
- Mateo-Solano, M.**
- \*1988, Heritabilities and phenotypic correlations for seed yield and seed yield components of beans, 72(2), 301.
  - \*1989, Heritabilities and phenotypic correlations of morphological traits of beans, 73(4), 349.
- Matta, J.**
- 1994, Stem borer, *Rupela albinella* (Cramer), and stem rot, *Sclerotium oryzae*, in southwestern Colombia rice fields, 78(1-2), 17.
- Mazzella, C.**
- 1990, Staining of substances adjacent to the sex bivalent in certain weevils of Puerto Rico, 74(4), 405.
- McDowell, L.**
- 1991, Mineral content of various grass species at different cutting intervals, 75(2), 181 (RN).
- McGinty, A. S.**
- 1986, Depredation of tilapia fry by dragonfly nymphs and a means for control, 70(3), 213.
  - \*1987, Polyculture of all-male tilapia hybrids with low densities of *Macrobrachium rosenbergii*, 71 (2), 225.
- McKenzie, P. M.**
- 1991, *Articarsia gemmatalis* (Lepidoptera: Noctuidae) in Puerto Rico: A new host-plant and two new bird predators, 75(3), 295 (RN).
- Medina, R.**
- \*1990, Effect of Clorsulon on levels of four inorganic elements in milk, 74(3), 327 (RN).
- Medina-Gaud, S.**
- \*1986, The coconut palm Eriophyid mite, *Eriophyes guerreronis* (Ke-  
ifer) (Acarina: Eriophyidae) in Puerto Rico, 70 (3), 223 (RN).
  - \*1987, The insects of níspero [*Mamilkara zapota* (L.) van Roger] in Puerto Rico, 71(1), 129 (RN).
  - 1987, New records of mites for Puerto Rico, 71(4), 399.
  - 1988, *Thrips palmi* (Thysanoptera: Thripidae): A new insect pest for Puerto Rico, 72(2), 327 (RN).
  - 1988, False smut, a new disease record from Puerto Rico's rice fields, 72(2), 331 (RN).
  - 1988, *Lissorhoptrus isthmicus* Kuschel (Coleoptera: Curculionidae): A new rice pest for Puerto Rico, 72(2), 333 (RN).
  - 1988, Host plants of pentatomids affecting rice fields in Puerto Rico, 72(3), 365,
  - 1988, Natural enemies of pentatomids affecting rice fields in Puerto Rico, 72(3), 371.
  - \*1989, *Fulmekiola serrata* (Kobus) (Thysanoptera: Thripidae): A new sugarcane pest in Puerto Rico, 73(4), 391 (RN).
  - \*1989, Natural enemies of the melon-worm, *Diaphania hyalinata* L. (Lepidoptera: Pyralidae), in Puerto Rico, 73(4), 313.
  - \*1989, Notes on insect pests of soursop (guanábana), *Annona muricata* L., and their natural enemies in Puerto Rico, 73(4), 383 (RN).
  - 1989, Homoptera-Auchenorrhyncha from rice fields in Puerto Rico, 73(4), 395 (RN).
  - 1989, Natural enemies and alternate hosts of *Marasmia trapezalis* (Guenée) affecting rice in Puerto Rico, 73(4), 397 (RN).
  - 1991, *Xylosandrus compactus* (Eichhoff), Coleoptera: Scolytidae, the black twig borer attacking coffee in Puerto Rico, 75(2), 183 (RN).
  - \*1991, The avocado lacewing bug, *Pseudacysta perseae* (Heidemann) (Hemiptera: Tingidae), in Puerto Rico, 75(2), 185 (RN).
  - \*1991, New records of, and notes on, whiteflies (Homoptera: Aleyrodidae) from Puerto Rico, 75(3), 297 (RN).
  - \*1991, La mosca negra de los cítricos, *Aleurocanthus woglumi* Ashby

- (Homoptera: Aleyrodidae), en Puerto Rico, 75(3), 301 (RN).
- \*1991, New thrips record (Insecta: Thysanoptera) from Puerto Rico, 75(3), 311 (RN).
- 1991, Nuevo hospedero alterno del píjaro del pimiento, *Anthonomus eugenii* Cano, en Puerto Rico, 75(4), 423 (RN).
- \*1994, New record of, and notes on, insects (Insecta) from Puerto Rico, 78(3-4), 181. (RN)
- Meléndez, P. L.**
- \*1986, Bean rust control under field conditions with systemic and contact fungicides, 70(1), 45.
  - 1986, Effect of fungicide on disease incidence and yield of bean, *Phaseolus vulgaris* L., infected with *Isariopsis griseola* Sacc., and *Ascochyta phaseolorum* Sacc., 70(2), 127.
  - 1986, Histopathology of interrelations between *Fusarium oxysporum* f. sp. *dioscoreae* and two nematode species of yam, 70(4), 245.
- Méndez-Cruz, A. V.**
- \*1988, Yield and nutritive value of hay from five tropical grasses at three harvesting intervals, 72(1), 109.
  - 1988, Production of grazed tropical grasses in different agroecosystems in Puerto Rico, 72(2), 211.
  - \*1988, Storage and digestibility, voluntary intake and chemical components of hay of five tropical grasses, 72(4), 531.
  - \*1990, Performance of two forage sorghum hybrids in southwest Puerto Rico, 74(1), 1.
- Mendoza, N.**
- 1988, Determinate pigeon pea [*Cajanus cajan* (L.) Millsp.] genotypes on the north and south coasts of Puerto Rico, 72(4), 545.
- Michelini, S.**
- \*1988, Vesicular-arbuscular mycorrhizal fungus inoculation of sour orange seedlings in Barbados, 72(2), 191.
- Mignucci, J. S.**
- 1986, *Curvularia* leaf spot on yams, *Dioscorea* spp., 70(4), 277.
  - \*1988, Yam production. II. Antracnose, yield, and profit of monocultures and interplanting, 72(2), 179.
- Miklas, P.**
- 1996, Evaluación de habichuela (*Phaseolus vulgaris* L.) en generaciones tempranas para resistencia a *Xanthomonas campestris* pv *phaseoli* (Smith) dye, 80(1-2), 55.
- Miller, F.**
- 1986, Agronomic comparison and in vitro dry matter digestibility of eight sorghums at two locations in Puerto Rico, 70(1), 37.
- Miró, M.**
- 1993, Structural stability, pore size distribution and surface charge properties of clay soils with varying mineralogy and organic matter contents, 77(1-2), 11.
- Mohammed, S.**
- 1988, Some constituents of mabí bark, 72(4), 625 (RN).
- Molina-Rivera, W.**
- 1990, Quality evaluation of different types of chicken consumed in Puerto Rico, 74(1), 75.
- Monllor, A.**
- 1992, Control de *Meloidogyne* spp. con *Pasteuria penetrans* (Thorne) Sayre y Starr, 76(2), 63.
- Monroig, M.**
- 1996, Mezclas sin suelo como medio para el desarrollo de cafetos en el vivero, 80(1-2), 13.
- Montalvo, A. E.**
- \*1986, Histopathology of interrelations between *Fusarium oxysporum* f. sp. *dioscoreae* and two nematode species of yam, 70(4), 245.
  - \*1989, Pathogenicity of *Meloidogyne incognita* in tanier (*Xanthosoma caracu*), 73(3), 277 (RN).
- Morales, A.**
- \*1988, Determinate pigeon pea [*Cajanus cajan* (L.) Millsp.] genotypes on the north and south coasts of Puerto Rico, 72(4), 545.
- Moret, A.**
- 1989, Evaluación química y organoléptica de vino de la variedad Fortuna Blanca, cosecha 1986, 73(1), 11.
  - \*1990, Evaluación de 11 variedades de uvas para vinos, 74(3), 335 (RN).
- Moret-Figueroa, A.**
- /1989, Fermentación de diferentes concentraciones de sacarosa por

- Zymomonas mobilis**, 73(2), 177 (RN).
- \*1990, Fermentación de sacarosa suplementada con azúcares monoméricos, 74(1), 45.
- Moyá, S.**
- 1995, El culebrón de Puerto Rico, *Epicrates inornatus* (Reptilia: Boidae), un nuevo hospedero de *Ornithodoros puertoricensis* (Acarí: Argasidae) en Puerto Rico, 79 (1-2), 91 (RN).
- Muñoz, M.**
- \*1991, Effect of soil moisture level and phosphorus rate on phosphorus uptake and growth of corn (*Zea mays* L.), 75(2) 153.
- Muñoz, M. A.**
- \*1990, Chicken manure as an organic fertilizer, 74(2), 139.
- 1991, A survey of the pH status and related fertility factors of sugarcane fields of Puerto Rico, 75(3), 213.
- \*1992, Mineralogy of Nipe clay, 76(3-4), 107.
- 1993, Effect of chicken manure on chemical properties of a Mollisol and tomato production, 77(3-4), 181.
- \*1994, Use of an industrial by-product as a liming source, 78(3-4), 73.
- Murphy, N. F.**
- 1988, Pilot plant fermentation of high test molasses compared with blackstrap molasses using factorial design, 72(1), 9.
- \*1988, Evaluation of a commercial yeast nutrient for high test molasses fermentation, 72(1), 173 (RN).
- 1988, The use of distillers' dry yeast as inoculum for rum fermentation on pilot plant scale, 72(3), 445.
- /1988, Batch fermentation patterns for different strains of *Zymomonas* in high test molasses and blackstrap molasses, 72(3), 475 (RN).
- /1988, Ethanol production from blackstrap molasses by *Zymomonas mobilis* and *Saccharomyces* sp., 72(3), 483 (RN).
- 1988, Pilot plant scale evaluation of a commercial yeast nutrient for high test molasses fermentation, 72(4), 509.
- Narváez, A.**
- 1990, Effect of Clorsulon on levels of four inorganic elements in milk, 74(3), 327 (RN).
- Navarro, A.**
- \*1989, Two drip irrigation rates and two emitter placements in tomato production, 73(1), 23.
- Negrón, J.**
- 1986, Insect and nematode control in cucumber (*Cucumis sativus*) in Puerto Rico, 70(1), 19.
- Negrón, J. A.**
- \*1991, Fungicide evaluation for control of powdery mildew, *Leveillula taurica* (Lev.) Arn., of peppers in Puerto Rico, 75(2), 119.
- Nemec, S.**
- 1988, Vesicular-arbuscular mycorrhizal fungus inoculation of sour orange seedlings in Barbados, 72(2), 191.
- Newman, J.**
- 1989, Two drip irrigation rates and two emitter placements in tomato production, 73(1), 23.
- Noble, R. E.**
- 1991, *Articarsia gemmatalis* (Lepidoptera: Noctuidae) in Puerto Rico: A new host-plant and two new bird predators, 75(3), 295 (RN).
- O'Hallorans, J. M.**
- \*1993, Effect of chicken manure on chemical properties of a Mollisol and tomato production, 77(3-4), 181.
- 1994, Use of an industrial by-product as a liming source, 78(3-4), 73.
- 1996, Index to The Journal of Agriculture of the University of Puerto Rico, Volumes 70 to 80 (1986 to 1996), Supplement No. 4, 80(4), 211.
- Olmeda, R. F.**
- \*1986, Four nitrogen levels and three water management systems on rice yield and nitrogen recovery, 70(3), 197.
- Oramas, D.**
- 1988, The Lacknau plantain: A high yielding cultivar with field resistance to the corm weevil, *Cosmopolites sordidus* (Germar), 72(3), 353.
- \*1990, Effect on yam (*Dioscorea rotundata* Poir) of soil spray and seed

- treatment with the nematicide-insecticide Oxamyl L., and soil treatment with Phenamiphos 15 G., 74(2), 103.
- Ordóñez, C. R.**
- \*1992, Composición química y calidad culinaria de dos cultivares de batata (*Ipomoea batatas* L.): Morada INTA y Rojo Blanco, 76(3-4), 151.
- Orrego, E.**
- 1988, Yield response of vegetables to tillage techniques on a Vertisol of the semiarid region of Puerto Rico, 72(1), 119.
  - \*1991, Chemical weed control in sweet cherry peppers, 75(3), 261.
- Orrego-Santiago, E.**
- \*1987, Influence of glyphosate and paraquat pre-transplant treatments on weed control and pepper yield, 71(1), 65.
  - 1987, Postemergence weed control in pigeon peas with glyphosate shielded treatments, 71(4), 359.
  - 1990, Performance of two forage sorghum hybrids in southwest Puerto Rico, 74(1), 1.
  - \*1994, Weed control trials in sweet cherry peppers in 1991 and 1992, 78(1-2), 45.
- Ortiz, A. A.**
- 1988, Bacteria associated with the West Indian fruit fly *Anastrepha obliqua* (Macquart) (Diptera: Tephritidae), 72(3), 489 (RN).
- Ortiz, C.**
- \*1986, Premature harvest of soybean seed for rapid generation advance, 70(3), 159.
  - \*1988, Fungi and insect damage to soybean seeds harvested at immature stages in tropical environments, 72(1), 73.
  - \*1988, Yield response of vegetables to tillage techniques on a Vertisol of the semiarid region of Puerto Rico, 72(1), 119.
- Ortiz, C. E.**
- 1989, Resistance to rust and smut among Puerto Rico sugarcane clones, 73(1), 45.
  - 1989, Effect of four herbicides on the establishment and forage yield of stargrass in Puerto Rico, 73(2), 149.
- 1993, A visual indicator for harvest of immature viable seed of indeterminate soybean genotypes, 77(1-2), 33.
- 1995, Fertilization of arracacha in an Ultisol, 79(3-4), 183. (RN)
- Ortiz, E.**
- 1995, Drip irrigation recommendations for plantain and banana grown on the semiarid southern coast of Puerto Rico, 79 (1-2), 13.
- Ortiz, F. H.**
- 1987, Competition of pigweed (*Amaranthus dubius*) with sweetpotato (*Ipomoea batatas*), 71(1), 7.
  - 1988, Determinate pigeon pea [*Cajanus cajan* (L.) Millsp.] genotypes on the north and south coasts of Puerto Rico, 72(4), 545.
  - 1991, Incorporating resistance to *Xanthomonas campestris* pv. *phaseoli* into bean using the latent period as a resistance marker, 75(4), 345.
- Ortiz-Alvarado, F. H.**
- 1987, Yield response of watermelon, tomato and pigeon pea to land preparation techniques in southern Puerto Rico, 71(2), 203.
- Oviedo, F.**
- \*1990, Caracterización de la pubescencia acicular en las hojas de genotipos de habichuelas, 74(2), 111.
- Padovani, F.**
- 1987, Distribution of adult *Diaprepes abbreviatus* L. (Coleoptera: Curculionidae) in north and northwest sugarcane areas in Puerto Rico, 71(4), 411 (RN).
- Pagán, I. Y.**
- 1990, Evaluation of six tomato (*Lycopersicum esculentum*) varieties for industrial tomato sauce preparation, 74(2), 181.
  - 1991, Still retort sterilization process for canned pimiento peppers (*Capsicum annuum* L.), 75(2), 173.
  - 1991, Processing, canning and evaluation of pummelo rinds, 75(2), 189 (RN).
- Pagán- Pinto, I.**
- 1993, Canned chicken products, 77(3-4), 137.

**Pantoja, A.**

- \*1988, *Thrips palmi* (Thysanoptera: Thripidae): A new insect pest for Puerto Rico, 72(2), 327 (RN).
- \*1988, False smut, a new disease record from Puerto Rico's rice fields, 72(2), 331 (RN).
- \*1988, *Lissorhoptrus isthmicus* Kuschel (Coleoptera: Curculionidae): A new rice pest for Puerto Rico, 72(2), 333 (RN).
- 1988, Host plants of pentatomids affecting rice fields in Puerto Rico, 72(3), 365.
- 1988, Natural enemies of pentatomids affecting rice fields in Puerto Rico, 72(3), 371.
- 1988, Sequential sampling plan, yield loss components and economic thresholds for the pepper weevil, *Anthonomus eugenii* Cano (Coleoptera: Curculionidae), 72(3), 375.
- 1988, Evaluation of relative sampling methods for population estimation of the pepper weevil, *Anthonomus eugenii* Cano (Coleoptera: Curculionidae), 72(3), 387.
- 1989, Notes on insect pests of soursop (guanábana), *Annona muricata* L., and their natural enemies in Puerto Rico, 73(4), 383 (RN).
- \*1989, Homoptera-Auchenorrhyncha from rice fields in Puerto Rico, 73(4), 395 (RN).
- \*1989, Natural enemies and alternate hosts of *Marasmia trapezalis* (Guenée) affecting rice in Puerto Rico, 73(4), 397 (RN).
- 1990, *Anticarsia gemmatalis* Hübner (Lepidoptera: Noctuidae): A new pest attacking pigeon pea in Puerto Rico, 74(1), 93 (RN).
- 1992, Determinación de la pubescencia de cuatro genotipos de habichuela, *Phaseolus vulgaris* L. 76(2), 71.
- 1993, Desarrollo de *Bemisia tabaci* Gennadius en cuatro genotipos de *Phaseolus vulgaris* L. con diferentes grados de pubescencia, 77(1-2), 61.
- \*1994, Stem borer, *Rupela albinella* (Cramer), and stem rot, *Sclerotium oryzae*, in southwestern Colombia rice fields, 78(1-2), 17.

\*1994, Damage to rice seedlings by *Hortensia similis* and *Draecula-cephala soluta* in Colombia, 78(3-4), 187 (RN).

\*1994, Sampling *Hydrellia wirthi* Korytkowski with sticky traps, 78(3-4), 191 (RN).

\*1994, Cultivares de café Catuai, Borbón y Pacas y el daño del minador de la hoja del cafeto, 78(3-4), 193 (RN).

/1994, *Diatraea saccharalis* (F.) in rice plants in Puerto Rico, 78(3-4), 195 (RN).

\*1995, Factores que causan la decadencia del platanal, 79(3-4), 187. (RN)

\*1996, Minador de los cítricos: *Phyllocnistis citrella* Stainton en Puerto Rico, 80(1-2), 85. (RN).

**Pantoja, J.**

\*1996, Relación entre producción de leche y su contenido de células somáticas, en lactancias completas en hatos lecheros de Puerto Rico, 80(3), 169.

**Parsi-Ros, O.**

\*1987, Processing and the nutritional contents of canned and not canned pigeon peas [*Cajanus cajan* (L.)], 71(1), 33.

\*1987, Processing and storage and the nutritional contents of pigeon peas [*Cajanus cajan* (L.)], 71(1), 43.

1991, Effect of blanching on niacin concentration in canned red kidney beans, 75(4), 417 (RN).

**Peña, E. A.**

\*1992, Determinación de la pubescencia de cuatro genotipos de habichuela, *Phaseolus vulgaris* L. 76(2), 71.

\*1993, Desarrollo de *Bemisia tabaci* Gennadius en cuatro genotipos de *Phaseolus vulgaris* L. con diferentes grados de pubescencia, 77(1-2), 61.

**Peña, J.**

1996, Minador de los cítricos: *Phyllocnistis citrella* Stainton en Puerto Rico, 80(1-2), 85. (RN).

**Peña, L.**

1994, Use of an industrial by-product as a liming source, 78(3-4), 73.

- Peña-Córdova, L.**
- 1994, A thermodynamic evaluation of the addition of calcium and magnesium to an Ultisol: I-Ca(OH)<sub>2</sub> addition, 78(3-4), 99.
  - 1996, A thermodynamic evaluation of the addition of calcium and magnesium to an Ultisol: II CaSO<sub>4</sub> addition, 80(1-2), 1.
- Perdomo, F.**
- 1991, Characterization and comparative pathogenicity of two *Macrophomina phaseolina* isolates from Puerto Rico, 75(4), 418 (RN).
- Pérez, A.**
- \*1987, Growth and yield of mango trees at three stages of development influenced by rootstock, scion variety, 71(4), 341.
  - 1988, Effect of dwarfing rootstocks on tree size and yield of selected mango varieties, 72(1), 1.
  - \*1988, Dwarfing effect of interstems on growth and yield components of mango, 72(4), 501.
  - 1990, Effect of Clorsulon on levels of four inorganic elements in milk, 74(3), 327 (RN).
- Pérez-Alegria, L. R.**
- 1994, Generation of solar radiation values for use in weather files of crop simulation models, 78(1-2), 33.
- Pérez-López, A.**
- 1994, Effect of rootstocks on tree size and yield of six Valencia orange clones, 78(3-4), 123.
- Persaud, T.**
- \*1988, Cost of a drip irrigation system for vegetable farming in Puerto Rico, 72(1), 31.
  - 1988, Labor-input requirements for experimental production of drip irrigated vegetables, 72(1), 41.
- Pietri-Oms, R.**
- 1993, Structural stability, pore size distribution and surface charge properties of clay soils with varying mineralogy and organic matter contents, 77(1-2), 11.
- Pineda, A.**
- 1994, Damage to rice seedlings by *Hortensia sinilis* and *Draecula-cephala soluta* in Colombia, 78(3-4), 187 (RN).
- Poinar, Jr., G. O.**
- 1993, *Paleoploiariola venosa*, a new fossil Emesinae (Heteroptera: Reduviidae) genus and species from Dominican amber, 77(1-2), 95.
  - 1996, *Paralienates hyalinus* N. Gen. and N. Sp. (Enicocephalidae: Heteroptera): Fossil gnat bug from Dominican amber (lower Oligocene-upper Eocene), 80(1-2), 47.
- Polanco, T. A.**
- \*1996, Microgotas: Método de inoculación con *Rhizoctonia solani* Kühn para evaluar genotipos de habichuelas (*Phaseolus vulgaris* L.), 80(3), 111.
  - \*1996, Variabilidad entre aislados de *Rhizoctonia solani* en Puerto Rico, 80(3), 195. (RN).
- Poventud, A.**
- 1987, Soil moisture potential distribution around an emitter, 71(4), 423 (RN).
- Quiles-Belén, A.**
- \*1988, Corn response to N applications and population densities at two locations in Puerto Rico, 72(1), 127.
  - 1989, Field evaluation of the susceptibility of eight sorghum hybrids to the sorghum midge, *Contarinia sorghicola* (Coquillett) (Diptera: Ceditomyiidae), 73(2), 155 (RN).
- Quiñones, R.**
- 1987, Ectrin spray in combination with ectrin eartags and the control of *Boophilus microplus* (Canestrini) in dairy cattle, 71(3), 241.
- Rafols, N.**
- 1991, Efecto de la rotación de cultivos en la producción de yautías, 75(1), 87 (RN).
  - 1993, Tillage and fertilizer rate effects on yam (*Dioscorea alata* L.) yields, 77(3-4), 153.
- Ramírez, C. T.**
- 1989, Failure of calcium sources to control blossom-end rot in watermelons, 73(3), 287 (RN).
- Ramírez, H.**
- \*1990, Evaluation of six tomato (*Lycopersicum esculentum*) varieties

- for industrial tomato sauce preparation, 74(2), 181.
- 1991, Still retort sterilization process for canned pimiento peppers (*Capsicum annuum* L.), 75(2), 173.
- Ramírez, L. V.**
- 1990, Rapid methods for determining taner (*Xanthosoma* spp.) root responses to soil acidity, 74(4), 365.
- 1994, Yield of three papaya genotypes and their tolerance to papaya ringspot virus in Puerto Rico, 78(3-4), 111.
- Ramírez-Oliveras, G.**
- 1988, Yield and nutritive value of hay from five tropical grasses at three harvesting intervals, 72(1), 109.
- /1989, Leaf-blade freckling in sugarcane seedlings, 73(3), 285 (RN).
- 1989, NADH, oxidation, H + effux, and nutrient ion uptake of soybean roots, 73(4), 375.
- Ramírez-Ramos, L. V.**
- 1990, Hot water dip treatments to destroy *Anastrepha obliqua* larvae (Diptera: Tephritidae) in mangos from Puerto Rico, 74(4), 441.
- Ramos, D.**
- 1991, Comportamiento poscosecha de cuatro cultivares de Yuca almacenada en bolsas de polietileno y con poda, 75(3), 269.
- Ramos, R.**
- \*1990, Use of a simulated grazing technique for the evaluation of tropical grasses, 74(1), 51.
- 1992, Determination of economic stocking rates for beef cattle grazing stargrass under two fertilizer levels, 76(3-4), 131.
- 1995, Weed control in pasture establishment, 79(3-4), 181. (RN).
- Ramos-Dávila, E.**
- 1986, Bacterial basal rot of straw mushrooms, 70(3), 219 (RN).
- 1987, *Erwina chrysanthemi* Burk., McFadden & Dimock: A bacterial whorl and stalk rot pathogen of sorghum [*Sorghum bicolor* (L.) Moench], 71(3), 265.
- Ramos-Santana, R.**
- \*1989, Field observations on the flowering behavior pattern of four grass genera, 73(4), 405 (RN).
- \*1991, Season production of 11 *Panicum maximum* cultivars harvested at a 45-day interval, 75(1), 61.
- \*1991, Persistence of *Hemarthria* and *Cynodon* cultivars in mob grazing in the humid tropical region of Puerto Rico, 75(2), 147.
- \*1991, Mineral content of various grass species at different cutting intervals, 75(2), 181 (RN).
- \*1992, Evaluación de introducciones de *Hemarthria altissima* en la altura húmeda de Corozal, 76(3-4), 161.
- \*1994, Veinte genotipos de *Panicum maximum* (Jacq) en la altura húmeda de Puerto Rico, 78(1-2), 9.
- \*1994, Introducciones de *Digitaria* y *Cynodon* en la región sur semiarida de Puerto Rico, 78(3-4), 137.
- Randel, P. F.**
- \*1986, Rearing dairy heifers on pastures fertilized at moderate levels with or without supplemental concentrates at different stages, 70(2), 143.
- \*1988, Confinement feeding of dairy cows based on stargrass as green chopped fodder or hay, 72(2), 231.
- 1989, Two levels of liquid *Streptomyces* solubles in pelleted concentrate feeds for dairy cows, 73(1), 1.
- /1990, Supplemental concentrates with four levels of crude protein for grazing dairy cows, 74(3), 281.
- /1991, Complete rations containing coarsely chopped or ground hay for dairy cows in confinement vs. conventional grazing, 75(3), 241.
- 1992, Suplementación de vacas lecheras mediante apacentamiento en *Leucaena leucocephala* por 3 horas durante la sequía y la época lluviosa, 76(2), 83.
- /1993, Mixed chopped and ground grass hay for dairy cows vs. grazing plus concentrates, 77(3-4), 193.
- 1994, Three dietary protein levels in the production of squab broilers, 78(1-2), 51. (RN)
- /1995, Two hay: concentrate ratios in total mixed rations for cows at different stages of lactation, 79 (1-2), 29.

- 1996, Relación entre producción de leche y su contenido de células somáticas, en lactancias completas en hatos lecheros de Puerto Rico, 80(3), 169.
- Rao, M. M.**
- \*1990, Studies to extend the dormancy of white yam (*Dioscorea alata* L.) 74(3), 213.
- Ravalos, E. J.**
- \*1986, Average monthly and annual rainfall distribution in Puerto Rico, 70(4), 267.
- 1989, Normal monthly class A pan evaporation for Agricultural Experiment Substations in Puerto Rico, 73(1), 85 (RN).
- Reams-Rivera, R.**
- 1989, La enfermedad de "Johne" en una vaquería de Puerto Rico: Informe de un caso clínico, 73(4), 415 (RN).
- Recio de Hernández, E.**
- 1987, Evaluation of coffee separating machines, 71(1), 113.
- 1987, Elaboration, shelf-life and quality evaluation of dishes prepared with pumpkin, 71(3), 301.
- \*1988, Freezing and shelf life of sweet potato and citron bars, 72(1), 171 (RN).
- 1990, Performance, sizing and total solids of nine onion (*Allium cepa*) cultivars, 74(1), 21.
- 1990, Storage tolerance of five short-day onion cultivars during a 12-week period, 74(3), 293.
- Reyes, I.**
- 1986, Herbicide evaluation in three cucurbits, 70(2), 85.
- 1987, Growth and yield of mango trees at three stages of development influenced by rootstock, scion variety, 71(4), 341.
- 1994, Introducciones de *Digitaria* y *Cynodon* en la región sur semiárida de Puerto Rico, 78(3-4), 137.
- Reyes-Soto, I.**
- 1988, Effect of dwarfing rootstocks on tree size and yield of selected mango varieties, 72(1), 1.
- 1988, Dwarfing effect of interstems on growth and yield components of mango, 72(4), 501.
- 1991, Further evaluation of herbicides in peppers, 75(4), 391.
- 1992, Chemical weed control in pumpkin, 76(2), 55.
- Riquelme-Villagrán, E.**
- 1992, Suplementación de vacas lecheras mediante apacentamiento en *Leucaena leucocephala* por 3 horas durante la sequía y la época lluviosa, 76(2), 83.
- Ritchey, D. K.**
- \*1990, Rapid methods for determining tanier (*Xanthosoma* spp.) root responses to soil acidity, 74(4), 365.
- \*1993, Leaching of Mg fertilizers in Puerto Rican Ultisols, 77(3-4), 167.
- Rivera, B.**
- 1995, Two feeding systems for lactating dairy cows grazing fertilized grasses, 79(3-4), 99.
- Rivera, D.**
- 1996, Minador de los cítricos: *Phyllocnistis citrella* Stainton, en Puerto Rico, 80(1-2), 85. (RN).
- Rivera, E.**
- 1988, Nutrient uptake and dry matter composition in the plant crop and first ratoon of the Grand Nain banana grown in an Ultisol, 72(3), 337.
- 1988, The Lacknau plantain: A high yielding cultivar with field resistance to the corn weevil, *Cosmopolites sordidus* (Germar), 72(3), 353.
- 1989, Ethephon for induction of multiple tubers in the water yam (*D. alata*), 73(3), 195.
- 1989, Performance of elite banana (*Musa acuminata* AAA) cultivars at four locations of Puerto Rico, 73(3), 209.
- 1990, Response of bananas (*Musa acuminata*, AAA) to magnesium fertilization in an Ultisol, 74(4), 419.
- 1991, Proper bunch management of the French-type superplantain (*Musa acuminata* × *M. balbisiana*, AAB) in Puerto Rico, 75(2), 163.
- 1992, Bunch and ratoon management for profitable production of high quality bananas (*Musa acuminata*, AAA), 76(3-4), 119.
- 1993, Yield of two yam (*Dioscorea alata*) cultivars with three

- planting dates and two planting systems, 77(3-4), 161.
- Rivera, F. R.**  
1987, Evaluation of hand-operated coffee picker, 71(1), 121 (RN).
- Rivera, J.**  
1989, Tentative identification of volatile components of pineapple juice from varieties of Red Spanish and PR 1-67, 73(3), 189.
- Rivera, L. E.**  
\*1986, Mulch types for soil moisture retention in drip irrigated summer and white peppers, 70(4), 303 (RN).  
1988, Labor-input requirements for experimental production of drip irrigated vegetables, 72(1), 41.  
1988, Root distribution of nitrogen fertilized sweet peppers under drip irrigation, 72(1), 51.  
1988, Dry beans and varying cultural practices at two locations on the coastal plain of Puerto Rico, 72(4), 521.  
1988, Nutrient uptake and growth characteristics of nitrogen fertilized sweet peppers under drip irrigation and plastic mulch, 72(4), 575.
- Rivera, M. I.**  
1987, Aging of high-test molasses rums, 71(2), 137.
- Rivera-Negrón, F. R.**  
1987, Evaluation of coffee separating machines, 71(1), 113.
- Rivera-Ostolaza, R.**  
1996, Index to The Journal of Agriculture of the University of Puerto Rico, Volumes 70 to 80 (1986 to 1996), Supplement No. 4, 80(4), 211.
- Rivera-Vargas, L. I.**  
\*1987, Internal mycoflora of Chinese straw mushroom basidiocarps—in vitro effects of mushroom growth, 71(2), 159.  
\*1987, Fungicides to control fungal competitors in Chinese straw mushroom, 71(2), 165.
- Rodríguez, A.**  
1989, *Fulmekiola serrata* (Kobus) (Thysanoptera: Thripidae): A new sugarcane pest in Puerto Rico, 73(4), 391 (RN).
- Rodríguez, B.**  
1996, Relación entre producción de leche y su contenido de células somáticas, en lactancias completas en hatos lecheros de Puerto Rico, 80(3), 169.
- Rodríguez, J.**  
1988, Nutrient uptake and dry matter composition in the plant crop and first ratoon of the Grand Nain banana grown in an Ultisol, 72(3), 337.  
1989, Evaluación de plaguicidas y métodos para combatir el picudo negro del plátano, (*Cosmopolites sordidus* Germar), 73(2), 97.  
1990, Effect on yam (*Dioscorea rotundata* Poir) of soil spray and seed treatment with the nematicide-insecticide Oxamyl L., and soil treatment with Phenamiphos 15 G., 74(2), 103.
- Rodríguez, J. A.**  
1988, The Lacknau plantain: A high yielding cultivar with field resistance to the corm weevil, *Cosmopolites sordidus* (Germar), 72(3), 353.  
1989, In vitro propagation of plantain (*Musa acuminata* × *M. balbisiana* ABB) and banana (*M. acuminata* AAA) in Puerto Rico, 73(1), 51.  
1990, Response of bananas (*Musa acuminata*, AAA) to magnesium fertilization in an Ultisol, 74(4), 419.  
1991, Proper bunch management of the French-type superplantain (*Musa acuminata* × *M. balbisiana*, AAB) in Puerto Rico, 75(2), 163.  
1992, Bunch and ratoon management for profitable production of high quality bananas (*Musa acuminata*, AAA), 76(3-4), 119.  
1994, Yield of five dwarf banana cultivars grown with minimum tillage in Puerto Rico's mountain region, 78(1-2), 1.
- Rodríguez, J. E.**  
1989, Field observations on the flowering behavior pattern of four grass genera, 73(4), 405 (RN).  
1990, Use of a simulated grazing technique for the evaluation of tropical grasses, 74(1), 51.

- 1994, Veinte genotipos de *Panicum maximum* (Jacq) en la altura húmeda de Puerto Rico, 78(1-2), 9.
- 1994, Introducciones de *Digitaria* y *Cynodon* en la región sur semiárida de Puerto Rico, 78(3-4), 137.
- Rodríguez, J. L.**
- 1986, Resistance of 43 sugarcane clones to smut, *Ustilago acitaminea* (Sydow), 70(4), 287.
  - 1989, Resistance to rust and smut among Puerto Rico sugarcane clones, 73(1), 45.
- Rodríguez, R.**
- 1986, Constraints to pigeon pea production under semi-arid conditions in Puerto Rico, 70(1), 25.
  - 1986, Bean rust control under field conditions with systemic and contact fungicides, 70(1), 45.
  - 1986, A new blight of pigeon pea in Puerto Rico, 70(1), 79 (RN).
  - \*1986, Effect of fungicide on disease incidence and yield of bean, *Phaseolus vulgaris* L., infected with *Isariopsis griseola* Sacc., and *Ascochyta phaseolorum* Sacc., 70(2), 127.
  - 1991, Fungicide evaluation for control of powdery mildew, *Leveillula taurica* (Lev.) Arn., of peppers in Puerto Rico, 75(2), 119.
- Rodríguez, R. del P.**
- 1992, Añublo polvoriento del pimiento en Puerto Rico causado por *Leveillula taurica* (Lev.) Arn., 76(1), 29 (RN).
  - 1995, Distribución y frecuencia de la microflora asociada a uredosporas de *Hemileia vastatrix* Berk. & Br., 79(3-4), 153.
  - 1996, Mezclas sin suelo como medio para el desarrollo de cafetos en el vivero, 80(1-2), 13.
  - 1996, Uso de discos de hojas de cafeto para identificar organismos con potencial de biocontrol, 80(1-2), 81. (RN).
  - 1996, Dinámica poblacional de *Myrothecium roridum* Tode Ex. Fr. y *Rhizoctonia solani* Kühn en viñeros comerciales de cafetos, 80(3), 145.
  - 1996, Microgotas: Método de inoculación con *Rhizoctonia solani* Kühn para evaluar genotipos de habichuelas (*Phaseolus vulgaris* L.), 80(3), 111.
- \*1996, Patogenicidad de *Myrothecium roridum* y *Rhizoctonia solani* en cafetos en el vivero, 80(3), 135.
- 1996, Variabilidad entre aislados de *Rhizoctonia solani* en Puerto Rico, 80(3), 195. (RN).
- Rodríguez, T.**
- 1988, Shelf life and acceptability of hot water-treated mangoes, 72(3), 469.
  - 1990, Evaluation of six tomato (*Lycopersicum esculentum*) varieties for industrial tomato sauce preparation, 74(2), 181.
  - \*1991, Still retort sterilization process for canned pimiento peppers (*Capsicum annuum* L.), 75(2), 173.
  - 1991, Canned native-style concentrate for Puerto Rican-flavored rice dishes, 75(4), 363.
  - /1993, Mineral losses between hot water and microwave blanching in green and dry white beans, 77(3-4), 129.
- Rodríguez-Arce, A. L.**
- \*1991, Osmotic drying kinetics of pineapple and papaya, 75(4), 371.
  - \*1991, Effect of blanching on niacin concentration in canned red kidney beans, 75(4), 417 (RN).
  - \*1992, The stability of B-carotene in mango nectar, 76(2), 101 (RN).
- Rodríguez-Arroyo, J. E.**
- 1991, Season production of 11 *Panicum maximum* cultivars harvested at a 45-day interval, 75(1), 61.
  - 1991, Persistence of *Hemarthria* and *Cynodon* cultivars in mob grazing in the humid tropical region of Puerto Rico, 75(2), 147.
  - 1992, Evaluación de introducciones de *Hemarthria altissima* en la altura húmeda de Corozal, 76(3-4), 161.
- Rodríguez-Cancel, R. E.**
- 1987, Fruity aromas from pink mold and their association with insect attraction, 71(3), 327 (RN).
- Rodríguez de Ciancio, S.**
- 1986, Premature harvest of soybean seed for rapid generation advance, 70(3), 159.

- \*1987, Inheritance of agronomic and seed composition traits in *Glycine max* × *Glycine soja* crosses, 71(1), 53.
- 1988, Fungi and insect damage to soybean seeds harvested at immature stages in tropical environments, 72(1), 73.
- \*1993, A visual indicator for harvest of immature viable seed of indeterminate soybean genotypes, 77(1-2), 33.
- Rodríguez-García, J.**
- 1988, Optimum time interval and frequency of glyphosate application for weed control in plantain (*Musa sp.*), 72(2), 297.
- Rodríguez-León, T.**
- \*1991, Processing, canning and evaluation of pummelo rinds, 75(2), 189 (RN).
- 1993, Canned chicken products, 77(3-4), 137.
- Rodríguez-Marcano, A.**
- 1991, Angular leaf spot of some cucurbits in Puerto Rico, 75(2), 195 (RN).
- Rodríguez-Sosa, E. J.**
- 1987, Processing and the nutritional contents of canned and not canned pigeon peas [*Cajanus cajan* (L.)], 71(1), 33.
- \*1987, Processing and storage and the nutritional contents of pigeon peas [*Cajanus cajan* (L.)], 71(1), 43.
- Rodríguez-Toro, W.**
- 1986, Thermal resistance of spores of two species of the genus *Bacillus*, 70(3), 189.
- Roig, C. A.**
- 1992, Composición química y calidad culinaria de dos cultivares de batata (*Ipomoea batatas* L.); Morada INTA y Rojo Blanco, 76(3-4), 151.
- Román, F. M.**
- \*1991, Efecto de cultivos intercalados en el control de malezas y la producción de ñame y batata, 75(1), 11.
- 1993, Fluazifop and quizalofop, grass herbicides, in coffee, 77(3-4), 201.
- Román, J.**
- 1990, Parasitism of entomophilic nematodes on the sugarcane rootstalk borer, *Diaprepes abbreviatus* (L.) (Coleoptera: Curculionidae), larvae, 74(2), 197.
- 1990, Biocontrol of the sugarcane rootstalk borer, *Diaprepes abbreviatus* (L.) (Coleoptera: Curculionidae), with entomophilic nematodes, 74(4), 395.
- 1993, Isolates of entomogenous nematodes *Heterorhabditis* spp. and mortality of larvae of *Galleria mellonella*, *Cylas formicarius*, *Eusceptes postfasciatus* and *Cosmopolites sordidus*, 77(1-2), 53.
- \*1994, *Steinerema puertoricensis* n. sp. (Rhabditida: Steinernematidae), a new entomopathogenic nematode from Puerto Rico, 78(3-4), 167.
- \*1995, Morphometric evaluation of 20 *Heterorhabditis* isolates from Puerto Rico, 79 (1-2), 51.
- \*1996, Cross hybridization studies with the entomopathogenic nematodes *Steinerema puertoricensis* and *S. cubana*, 80(3), 191 (RN).
- Román, O.**
- 1991, Sistemas de rotación de cosechas sobre los niveles poblacionales de nematodos, 75(4), 399.
- 1995, *Mucuna deeringiana* incorporada vs. no incorporada al suelo y rendimiento en siembras subsiguientes de tomate, habichuela y maíz, 79 (1-2), 65.
- Román-Hernández, O.**
- 1988, Dry beans and varying cultural practices at two locations on the coastal plain of Puerto Rico, 72(4), 521.
- 1994, Green-shell bean production in Puerto Rico at different planting dates, 78(3-4), 131.
- \*1996, Optimum stage of development for harvesting green-shelled beans, 80(3), 89.
- Rosa-Márquez, E.**
- 1988, Tanier (*Xanthosoma* spp.) propagation in vitro, 72(3), 413.
- 1989, In vitro propagation of plantain (*Musa acuminata* × *M. balbisiana* ABB) and banana (*M. acuminata* AAA) in Puerto Rico, 73(1), 51.

- 1989, Smooth leaf (spineless) Red Spanish pineapple (*Ananas comosus*) propagated in vitro, 73(4), 301.
- 1996, *Zantedeschia aethiopica* propagation by tissue culture, 80(3), 193. (RN).
- Rosado, E.**
- \*1990, HPLC method for analysis of substrate and products in beverage alcohol production, 74(4), 357.
- Rosario, C.**
- \*1986, Life cycle of diamondback moth, *Plutella xylostella* (L.) (Lepidoptera: Yponomeutidae), in Puerto Rico, 70(4), 229.
- Rosas, J. C.**
- 1991, Daños causados por *Xanthomonas campestris* pv. *phaseoli* y su efecto en el rendimiento de la habichuela (*Phaseolus vulgaris*), 75(4), 353.
- Rueda, D.**
- 1989, Yield stability of dry bean genotypes in Honduras, 73(4), 339.
- Ruiz, H.**
- 1987, Bacterial leaf spot on pigeon pea in Puerto Rico, 71(2), 177.
  - 1988, *Thrips palmi* (Thysanoptera: Thripidae): A new insect pest for Puerto Rico, 72(2), 327 (RN).
  - 1990, *Anticarsia gemmatalis* Hübner (Lepidoptera: Noctuidae): A new pest attacking pigeon pea in Puerto Rico, 74(1), 93 (RN).
  - 1990, Short-day onion cultivar evaluation in Puerto Rico during 1988-89 growing season, 74(3), 323 (RN).
  - \*1992, Resistencia de seis cultivares comerciales de pimiento de cocinar (*Capsicum annuum* L.) a la mancha bacteriana causada por *Xanthomonas campestris* pv. *vesicatoria* (Doige) Dye, 76(2), 97 (RN).
- Ruiz, T.**
- 1987, Ectrin spray in combination with ectrin eartags and the control of *Boophilus microplus* (Canestrini) in dairy cattle, 71(3), 241.
  - 1989, La enfermedad de "Johne" en una vaquería de Puerto Rico: Informe de un caso clínico, 73(4), 415 (RN).
- Ruiz, T. M.**
- \*1995, Two feeding systems for lactating dairy cows grazing fertilized grasses, 79(3-4), 99.
- Ruiz-Giraldo, H.**
- \*1992, Anítulo polvoriento del pimiento en Puerto Rico causado por *Leydigia taurica* (Lev.) Arn., 76(1), 29 (RN).
- Ruiz-Sifre, G.**
- 1989, Evaluación del ingreso bruto generado por las aglaonemas "Silver Queen" y "María" a diferentes niveles de sombra, 73(4), 399 (RN).
  - /1990, Shade requirements of aglaonemas, 74(2), 95.
  - \*1990, Performance of honeydew melon cultivars in southern Puerto Rico, 1986-87, and 1987-88, 74(2), 209 (RN).
  - 1994, Seis cultivares de pepinillo (*Cucumis sativus*) en la costa sur de Puerto Rico, 78(1-2), 71. (RN)
  - 1994, Yield of three papaya genotypes and their tolerance to papaya ringspot virus in Puerto Rico, 78(3-4), 111.
  - \*1995, Production and movement of branching agent in Poinsettia leaf and stem, 79(3-4), 139.
  - \*1996, *Zantedeschia aethiopica* propagation by tissue culture, 80(3), 193. (RN).
- Saladín, F.**
- 1989, Imbibition, germination and cooking time of seeds of dry beans (*Phaseolus vulgaris* L.) stored in different containers, 73(4), 327.
- Saladín-García, F.**
- 1988, Herabilities and phenotypic correlations for seed yield and seed yield components of beans, 72(2), 301.
  - 1989, Herabilities and phenotypic correlations of morphological traits of beans, 73(4), 349.
- Salas, F. A.**
- \*1994, Three dietary protein levels in the production of squab broilers, 78(1-2), 51. (RN)
- Salas, M.**
- 1996, Effect of stage of maturity, cultivar, nitrate fertilization, soil type on mineral content of sugarcane, 80(1-2), 37.

**Salas-Quintana, S.**

1990, TIBA and nitrogen incorporation, senescence, and yield in a symbiotically grown vining dry bean (*Phaseolus vulgaris* L.) genotype, 74(3), 311.

**Salazar, A.**

1994, Sampling *Hydrellia wirthi* Korytkowski with sticky traps, 78(3-4), 191 (RN).

**Sánchez, A.**

1992, Reaction of landrace Pompadour beans to *Macrophomina phaseolina* isolates, 76(2), 93 (RN).

\*1994, *Pseudomonas cepacia*, a potential biofungicide for root rot pathogens of beans, 78(1-2), 55. (RN)

\*1994, Bean root colonization by *Pseudomonas cepacia* UPR 5C, 78(1-2), 59. (RN)

**Sánchez, L.**

1995, *Mucuna deeringiana* incorporada vs. no incorporada al suelo y rendimiento en siembras subsiguientes de tomate, habichuela y maíz, 79 (1-2), 65.

1996, Patogenidad de *Myrothecium roridum* y *Rhizoctonia solani* en cafetos en el vivero, 80(3), 135.

**Sánchez, L. A.**

1989, Sustratos de arroz (*Oriza sativa* L.) y el crecimiento del hongo biocontrolador de nematodos *Paecilomyces lilacinus*, 73(1), 79 (RN).

\*1989, Performance of *Arthrobotrys* spp. alone and in combination with *Paecilomyces lilacinus*, as biocontrollers of *Meloidogyne incognita* in tomato, 73(3), 281 (RN).

1991, Effect of granular nematicides and the fungus *Paecilomyces lilacinus* in nematode control in watermelon, 75(3), 307 (RN).

1991, Sistemas de rotación de cosechas sobre los niveles poblacionales de nematodos, 75(4), 399.

**Saneux, H.**

1986, *Curvularia* leaf spot on yams, *Dioscorea* spp., 70(4), 277.

**Santiago, L. R.**

1990, Hot water dip treatments to destroy *Anastrepha obliqua* larvae (Diptera: Tephritidae) in mangos from Puerto Rico, 74(4), 441.

1996, Herbicide screening in cilantro and spiny coriander, 80(1-2), 73. (RN).

**Santiago, M. A.**

1989, Rendimiento y evaluación sensorial de cultivares de los ñames *D. rotundata* y *D. cayenensis*, 73(3), 203.

1990, Comportamiento hortícola de siete clones de plátanos, 74(3), 267.

1991, Efecto de la rotación de cultivos en la producción de yautías, 75(1), 87 (RN).

1995, Fertilization of arracacha in an Ultisol, 79(3-4), 183. (RN)

**Santiago-Blay, J. A.**

1993, *Paleoploiariola venosa*, a new fossil Emesinae (Heteroptera: Reduviidae) genus and species from Dominican amber, 77(1-2), 95.

1996, *Paralienates hyalinus* N. Gen. and N. Sp. (Emicocephalidae: Heteroptera): fossil gnat bug from Dominican amber (lower Oligocene-upper Eocene), 80(1-2), 47.

/1996, Variation in some meristic and continuous characters of two California populations of *Gumaga nigricula* (McLachlan 1871) (Trichoptera: Sericostomatidae), 80(3), 157.

**Santiago-Córdoba, M.**

1989, Sensory evaluation of arracacha (*Arracacia xanthorrhiza* Bancroft) cultivars in Puerto Rico, 73(3), 291 (RN).

1989, Rendimiento y resistencia a la antracnosis de 5 cultivares de ñames *Dioscorea rotundata* Poir in Lam, 73(4), 381 (RN).

1990, Nitrogen rates and sources and Guinea Negro yam in an Ultisol in Puerto Rico, 74(1), 29.

1990, Further evaluation of herbicides in yam (*Dioscorea* sp.) 74(3), 221.

1990, Efecto del herbicida ametrina como control preemergente de yerbajos en apio (*Arracacia xanthorrhiza* Bancroft), 74(3), 273.

1991, Persistence of three herbicides in a drip-irrigated banana field, 75(1), 19.

**Santiago-Santos, L. R.**

- \*1991, Efecto de la intensidad de la luz sobre la floración y crecimiento del culantro, *Eryngium foetidum* L., 75(4), 383.

**Saura, A.**

- 1987, Genic and color polymorphism in Puerto Rican Phylobiine weevils *Diaprepes abbreviatus* (L.) and *Compsus maricae* Wolcott, 71(4), 391.

**Schroder, E. C.**

- 1986, Reaction of *Leucaena leucocephala* to populations of *Meloidogyne incognita* and *M. javanica* from Puerto Rico, 70(2), 157 (RN).
- 1987, Nitrogen levels and *Rhizobium* inoculation and yields of native white bean (*Phaseolus vulgaris*), 71(1), 1.
- 1988, *Rhizobium* inoculation of *Phaseolus vulgaris* in Lajas, Puerto Rico, 72(3), 427.
- 1994, *Pseudomonas cepacia*, a potential biofungicide for root rot pathogens of beans, 78(1-2), 55. (RN)
- 1994, Bean root colonization by *Pseudomonas cepacia* UPR 5C, 78(1-2), 59. (RN)

**Seaforth, C. E.**

- \*1988, Some constituents of mabí bark, 72(4), 625 (RN).

**Segarra, A.**

- 1988, Chemical control of *Liriomyza sativae* and of Lepidoptera larvae on tomato, 72(1), 169 (RN).
- 1988, *Thrips palmi* (Thysanoptera: Thripidae): A new insect pest for Puerto Rico, 72(2), 327 (RN).

**Segarra, A. E.**

- /1988, Identity and economic importance of fruit flies attacking mango in Puerto Rico: A two-year survey, 72(2), 325 (RN).
- \*1988, Sequential sampling plan, yield loss components and economic thresholds for the pepper weevil, *Anthonomus eugenii* Cano (Coleoptera: Curculionidae), 72(3), 375.
- \*1988, Evaluation of relative sampling methods for population estimation of the pepper weevil, *Anthonomus eugenii* Cano (Co-

leoptera: Curculionidae), 72(3), 387.

**Segarra-Carmona, A. E.**

- 1986, *Eumecosomyia nubila* (Wiedemann), a new otiid in Puerto Rico, with notes on the habits of the dipteran species complex of corn, 70(2), 155 (RN).
- \*1988, Relative susceptibility of *Crotalaria* spp. to the attack by *Etiella zinckenella* in Puerto Rico, 72(1), 147.
- \*1988, Notes of the natural enemies of *Etiella zinckenella* in Puerto Rico, 72(1), 153.
- \*1988, The sorghum midge, *Contarinia sorghicola*, a sorghum pest newly introduced to Puerto Rico, 72(1), 161 (RN).
- \*1988, Bacteria associated with the West Indian fruit fly *Anastrepha obliqua* (Macquart) (Diptera: Tephritidae), 72(3), 489 (RN).
- \*1989, Field evaluation of the susceptibility of eight sorghum hybrids to the sorghum midge, *Contarinia sorghicola* (Coquillett) (Diptera: Cecidomyiidae), 73(2), 155 (RN).
- 1989, Notes on insect pests of soursop (guanábana), *Annona muricata* L., and their natural enemies in Puerto Rico, 73(4), 383 (RN).
- \*1990, Hot water dip treatments to destroy *Anastrepha obliqua* larvae (Diptera: Tephritidae) in mangos from Puerto Rico, 74(4), 441.
- \*1990, Silverying of *Cucurbita moschata* (Duchesne) Poir associated with *Bemisia tabaci* Genn. (Homoptera: Aleyrodidae) in Puerto Rico, 74(4), 477 (RN).
- 1991, The avocado lacewing bug, *Pseudacysta perseae* (Heidemann) (Hemiptera: Tingidae), in Puerto Rico, 75(2), 185 (RN).
- 1994, New records of, and notes on, insects (Insecta) from Puerto Rico, 78(3-4), 181. (RN)

**Semidey, N.**

- \*1986, Herbicide evaluation in three cucurbits, 70(2), 85.
- \*1986, Asulam and other postemergence herbicides for sugarcane, 70(4), 235.

- \*1986, Chemical control of *Echinochloa colonum* in sweet corn, 70(4), 311 (RN).
- \*1987, Competition of pigweed (*Amaranthus dubius*) with sweetpotato (*Ipomoea batatas*), 71(1), 7.
- 1987, Influence of glyphosate and paraquat pre-transplant treatments on weed control and pepper yield, 71(1), 65.
- \*1987, Glyphosate on tomato and sweet pepper yields, 71(2), 235 (RN).
- \*1987, Oxyfluorfen: A candidate herbicide for weed control in pigeon peas, 71(3), 277.
- 1987, Postemergence weed control in pigeon peas with glyphosate shielded treatments, 71(4), 359.
- \*1989, Chemical weed management in onions (*Allium cepa* L.), 73(1), 59.
- \*1989, Broadleaf weed control in peppers with herbicides applied pre-transplant, 73(1), 67.
- \*1990, Grass weed management in transplanted eggplant, 74(2), 133.
- 1990, Candidate herbicides to control itchgrass (*Rottboellia exaltata*) in sugarcane fields, 74(2), 145.
- 1991, Field evaluation of herbicides to control itchgrass (*Rottboellia exaltata*) in sugarcane, 75(3), 253.
- Semidey-Laracuente, N.**
- 1988, Evaluation of diquat for post-emergence weed control in pumpkin (*Cucurbita moschata*), 72(2), 285.
- 1988, Allelopathic effects of seven weed species to pumpkin (*Cucurbita moschata*) under greenhouse conditions, 72(3), 491 (RN).
- 1988, Eggplant (*Solanum melongena* L.) transplants and exudates from roots of seven weeds, 72(3), 495 (RN).
- Sepúlveda, J. M.**
- 1989, *Howardula* sp., a nematode new for Puerto Rico parasitizing a parthenogenetic sweet potato associated flea beetle, *Chaetocnema perplexa* Blake, 73(2), 171 (RN).
- 1990, Chromosomes of the Puerto Rican "vaquita," *Diaprepes abreviatus* (L.) (Curculionidae: Otiorrhynchinae: Phyllobiini, 74(2), 121.
- Serracín, J.**
- \*1991, Daños causados por *Xanthomas campestris* pv. *phaseoli* y su efecto en el rendimiento de la habichuela (*Phaseolus vulgaris*), 75(4), 353.
- Siberio, V.**
- 1987, Tratamiento para parásitos internos y externos en gallinas ponedoras mantenidas en jaulas elevadas y de piso con camada, 71(1), 133 (RN).
- 1987, Pausa forzada y postura subsiguiente en gallinas de huevo marrón, 71(3), 255.
- Siberio-Torres, V.**
- 1988, Yield and nutritive value of hay from five tropical grasses at three harvesting intervals, 72(1), 109.
- 1988, Storage and digestibility, voluntary intake and chemical components of hay of five tropical grasses, 72(4), 531.
- Sievens, G.**
- 1988, Chemical control for climbing mimosa in a local pasture, 72(4), 615 (RN).
- 1989, La enfermedad de "Johne" en una vaquería de Puerto Rico: Informe de un caso clínico, 73(4), 415 (RN).
- 1992, Effect of four herbicides on establishment and forage yield of Guinea grass in Puerto Rico, 76(1), 15.
- Silva-Negrón, L.**
- 1988, Refrigeration before incubation and its effect on recovery of two types of bacteria from food, 72(4), 617 (RN).
- 1989, Conventional versus the petri-film method for enumeration of different types of bacteria, 73(3), 183.
- 1991, Growth potential of *Bacillus coagulans* and *Bacillus macerans* in selected commercial acid and acidified foods, 75(2), 191 (RN).
- 1991, Spore age and its effect on thermal resistance of *Bacillus coagulans* and *Bacillus macerans* in acid ripe plantain puree, 75(3), 205.

- 1991, Efectividad de preservativos durante el almacenamiento en productos de piña de humedad intermedia, 75(4), 411 (RN).
- Singh, U.**
- 1991, Estimation of leaf area in three tanier (*Xanthosoma* spp.) cultivars grown in Puerto Rico, 75(3), 313 (RN).
  - 1996, Estimation of leaf area of taro [*Colocasia esculenta* (L.) Schott] from linear measurements, 80(3), 183. (RN).
- Singmaster III, J. A.**
- 1990, Herbicide drift control in plantain and taniers, 74(4), 471 (RN).
  - /1991, Contaminants in aged pesticide grade dichloromethane interfering in herbicide residue analysis and a method for their removal, 75(4), 329.
- Snyder, V. A.**
- \*1993, Structural stability, pore size distribution and surface charge properties of clay soils with varying mineralogy and organic matter contents, 77(1-2), 11.
- Soldevila, M.**
- 1987, Tratamiento para párasitos internos y externos en gallinas ponedoras mantenidas en jaulas elevadas y de piso con camada, 71(1), 133 (RN).
  - \*1987, Pausa forzada y postura subsiguiente en gallinas de huevo marrón, 71(3), 255.
- Sosa, M.**
- 1989, *Fulmekiola serrata* (Kobus) (Thysanoptera: Thripidae): A new sugarcane pest in Puerto Rico, 73(4), 391 (RN).
- Sotomayor-Ríos, A.**
- 1986, Agronomic comparison and in vitro dry matter digestibility of eight sorghums at two locations in Puerto Rico, 70(1), 37.
  - 1986, Bird and rust damage and seed molds in 30 sorghum, *Sorghum bicolor* (L.) Moench, lines in Mayagüez, Puerto Rico, 70(2), 99.
  - 1987, Influence of panicle fungicides and harvest schedules on sorghum seed quality under humid tropical conditions in Puerto Rico, 71(1), 75.
- 1987, New sorghum leaf blight resistance sources: Identification, description and recreation of  $F_1$  hybrids, 71(3), 293.
- 1988, Corn response to N applications and population densities at two locations in Puerto Rico, 72(1), 127.
- 1989, Field evaluation of the susceptibility of eight sorghum hybrids to the sorghum midge, *Contarinia sorghicola* (Coquillett) (Diptera: Cediomyiidae), 73(2), 155 (RN).
- Steadman, J. R.**
- 1990, Caracterización de la pubescencia acicular en las hojas de genotipos de habichuelas, 74(2), 111.
- Stutte, C. A.**
- 1989, NADH, oxidation, H + efflux, and nutrient ion uptake of soybean roots, 73(4), 375.
- Talbert, R. E.**
- 1994, Combined effect of large crabgrass and smooth pigweed densities on snap bean yield, 78(1-2), 63. (RN)
  - 1995, Smooth pigweed (*Amaranthus hybridus* L.) interference with snap bean (*Phaseolus vulgaris* L) quality, 79(3-4), 173.
- Tergas, L. E.**
- \*1988, Response of tropical grasses to potassium fertilization in the humid coastal region of Puerto Rico, 72(1), 81.
  - \*1988, Production of grazed tropical grasses at Toa Baja in the humid northern coastal plains of Puerto Rico, 72(1), 91.
  - \*1988, Production of grazed tropical grasses in different agroecosystems in Puerto Rico. I. Humid mountain, 72(1), 99.
  - \*1988, Production of grazed tropical grasses in different agroecosystems in Puerto Rico. II. Humid northern coastal plains, 72(2), 201.
  - \*1988, Production of grazed tropical grasses in different agroecosystems in Puerto Rico. III. Semiarid, 72(2), 211.
  - \*1988, Forage production of nine alfalfa cultivars in the semiarid region of Puerto Rico, 72(2), 221.

- Torres, C. J.**
- 1994, Effect of rootstocks on tree size and yield of six Valencia orange clones, 78(3-4), 123.
- Torres (de), C. S.**
- \*1987, Aging of high-test molasses rums, 71(2), 137.
- Torres, J. A.**
- /1989, The status of the fungi-grower ants (Hymenoptera: Formicidae) in Puerto Rico and adjacent islands, 73(4), 401 (RN).
  - /1990, Aspectos ecológicos, toxicológicos y agrícolas de la hormiga brasileña *Solegnosis invicta*, 74(4), 375.
- Torres, R. I.**
- \*1986, *Curvularia* leaf spot on yams, *Dioscorea* spp., 70(4), 277.
- Torres-Cardona, S.**
- \*1986, Agronomic comparison and in vitro dry matter digestibility of eight sorghums at two locations in Puerto Rico, 70(1), 37.
  - 1988, Corn response to N applications and population densities at two locations in Puerto Rico, 72(1), 127.
  - 1989, Field evaluation of the susceptibility of eight sorghum hybrids to the sorghum midge, *Contarinia sorghicola* (Coquillett) (Diptera: Cedidomyiidae), 73(2), 155 (RN).
  - 1990, Performance of two forage sorghum hybrids in southwest Puerto Rico, 74(1), 1.
- Torres-López, R.**
- 1988, Yam production. II. Antracnose, yield, and profit of monocultures and interplanting, 72(2), 179.
- Torres-López, R. L.**
- \*1988, Nutritional influences on *Volvariella volvacea* (Bull. ex. Fr.) Sing. Growth in Puerto Rico. I. Carbon and Nitrogen, 72(1), 19.
- Torres-Rivera, C. N.**
- 1988, Bacteria associated with the West Indian fruit fly *Anastrepha obliqua* (Macquart) (Diptera: Tephritidae), 72(3), 489 (RN).
  - 1990, Hot water dip treatments to destroy *Anastrepha obliqua* larvae (Diptera: Tephritidae) in mangos from Puerto Rico, 74(4), 441.
- Triana, M.**
- 1994, Damage to rice seedlings by *Hortensia similis* and *Draeculacephala soluta* in Colombia, 78(3-4), 187 (RN).
- Unander, D. W.**
- \*1988, Pepper cultivars on the northwestern coast of Puerto Rico, 72(3), 395.
  - \*1989, Yield stability of dry bean genotypes in Honduras, 73(4), 339.
  - \*1991, Plant population and pruning of pepper cultivars, 75(3), 199.
- Varela, F.**
- 1990, Pumpkin (*Cucurbita moschata*) breeding priorities based on a survey among Puerto Rican consumers, 74(3), 229.
- Varela, O.**
- \*1996, Evaluación de habichuela (*Phaseolus vulgaris* L.) en generaciones tempranas para resistencia a *Xanthomonas campestris* pv *phaseoli* (Smith) dye, 80(1-2), 55.
- Varela-Ramírez, F.**
- 1988, Pepper cultivars on the northwestern coast of Puerto Rico, 72(3), 395.
  - 1991, Plant population and pruning of pepper cultivars, 75(3), 199.
- Vargas, R.**
- \*1990, *Pasteuria penetrans*: Agente biorepresor de nematodos en Puerto Rico, 74(3), 319 (RN).
  - \*1992, Control de *Meloidogyne* spp. con *Pasteuria penetrans* (Thorne) Sayre y Starr, 76(2), 63.
  - 1995, *Mucuna deeringiana* incorporada vs. no incorporada al suelo y rendimiento en siembras subsiguientes de tomate, habichuela y maíz, 79 (1-2), 65.
- Vázquez, F.**
- 1989, Tropical yam (*Dioscorea* spp.) performance in western Puerto Rico, 73(2), 133.
  - 1990, Symptomatology and control of scion dieback in graft-propagated cocoa (*Theobroma cacao* L.), 74(2), 207 (RN).
  - 1992, Effect of gibberellic acid on phylloxaxy of bud grafted cacao (*Theobroma cacao* L.) 76(1), 33 (RN).

**Vega, H.**

- \*1995, Shelf-stable pineapple slices preserved by combined methods, 79 (1-2), 75.

**Vega-Mercado, H.**

- \*1989, Characterization of the maturation process by changes in fruit texture, 73(3), 265.
- \*1991, Efecto de la escaldadura en la vida útil y aspectos químicos de los productos de piña de humedad intermedia, 75(1), 25.
- 1991, Canning and quality evaluation of sweet potato dessert, 75(3), 317 (RN).
- 1991, Osmotic drying kinetics of pineapple and papaya, 75(4), 371.
- \*1991, Efectividad de preservativos durante el almacenamiento en productos de piña de humedad intermedia, 75(4), 411 (RN).
- \*1993, Heat of sorption and free energy change of freeze-dried pineapple pulp, 77(3-4), 101.
- \*1993, Comparison of moisture sorption isotherm models in freeze-dried pineapple pulp, 77(3-4), 113.

**Velazquez, Y. A.**

- \*1988, Rhizobium inoculation of *Phaseolus vulgaris* in Lajas, Puerto Rico, 72(3), 427.

**Vélez, H.**

- 1991, Incorporating resistance to *Xanthomonas campestris* pv. *phaseoli* into bean using the latent period as a resistance marker, 75(4), 345.

**Vélez-Colón, R.**

- \*1988, Evaluación de variedades de uvas de mesa (*Vitis vinifera* L.) cosechadas en la Subestación de Fortuna en 1986, 72(2), 335 (RN).
- \*1989, Growth, maturity and flowering of pigeon peas, *Cajanus cajan* L. Millsp., at high latitudes, 73(3), 223.
- \*1989, Sapodilla (*Manilkara sapota* L. V. Rogen, *Achras sapota* Linn.) variety trials at southern Puerto Rico, 73(3), 255.
- \*1992, Sensorial and chemical evaluation of sapodilla (*Manilkara sapota* L. V. Rogen, *Achras sapota* Lynn.) varieties, 76(2), 103 (RN).

- 1996, Comercial tomato cultivar trials at two locations, 80(3), 207. (RN).

**Vélez-Delgado, S. O.**

- 1996, Index to The Journal of Agriculture of the University of Puerto Rico, Volumes 70 to 80 (1986 to 1996), Supplement No. 4, 80(4), 211.

**Vélez-Ramos, A.**

- \*1990, Candidate herbicides to control itchgrass (*Rottboellia exaltata*) in sugarcane fields, 74(2), 145.
- \*1991, Levels and methods of potassium fertilization on tomato cv Duke yield, 75(2), 111.
- \*1991, A survey of the pH status and related fertility factors of sugarcane fields of Puerto Rico, 75(3), 213.
- \*1991, Field evaluation of herbicides to control itchgrass (*Rottboellia exaltata*) in sugarcane, 75(3), 253.
- \*1991, Effect of N and K levels and planting density on pineapple fruit yield and quality, 75(4), 319.
- \*1995, Foliar application of nitrogen, potassium and magnesium, and pineapple yield and quality, 79(3-4), 111.

**Vélez-Santiago, J.**

- 1986, Rearing dairy heifers on pastures fertilized at moderate levels with or without supplemental concentrates at different stages, 70(2), 143.
- 1988, Response of tropical grasses to potassium fertilization in the humid coastal region of Puerto Rico, 72(1), 81.
- 1988, Production of grazed tropical grasses at Toa Baja in the humid northern coastal plains of Puerto Rico, 72(1), 91.
- 1988, Production of grazed tropical grasses in different agroecosystems in Puerto Rico. I. Humid mountain, 72(1), 99.
- 1988, Production of grazed tropical grasses in different agroecosystems in Puerto Rico. II. Humid northern coastal plains, 72(2), 201.
- 1988, Production of grazed tropical grasses in different agroecosystems in Puerto Rico. III. Humid northern coastal plains, 72(3), 201.

- tems in Puerto Rico. III. Semiarid, 72(2), 211.
- 1988, Forage production of nine alfalfa cultivars in the semiarid region of Puerto Rico, 72(2), 221.
- Vera de Saldña, D.**
- 1988, Response of tropical grasses to potassium fertilization in the humid coastal region of Puerto Rico, 72(1), 81.
- 1988, Production of grazed tropical grasses at Toa Baja in the humid northern coastal plains of Puerto Rico, 72(1), 91.
- 1988, Production of grazed tropical grasses in different agroecosystems in Puerto Rico. I. Humid mountain, 72(1), 99.
- 1988, Production of grazed tropical grasses in different agroecosystems in Puerto Rico. II. Humid northern coastal plains, 72(2), 201.
- 1988, Forage production of nine alfalfa cultivars in the semiarid region of Puerto Rico, 72(2), 221.
- Verdegem, M. C. J.**
- \*1986, Depredation of tilapia fry by dragonfly nymphs and a means for control, 70(3), 213.
- Vicente, N.**
- 1989, Performance of *Arthrobotrys* spp. alone and in combination with *Paecilomyces lilacinus*, as biocontrollers of *Meloidogyne incognita* in tomato, 73(3), 281 (RN).
- 1993, Exoesqueleto de camarón para controlar el nematodo nodulador, *Meloidogyne incognita*, en tomate en el invernadero, 77(3-4), 229.
- 1995, *Mucuna deeringiana* incorporada vs. no incorporada al suelo y rendimiento en siembras subsiguientes de tomate, habichuela y maíz, 79 (1-2), 65.
- Vicente, N. E.**
- \*1986, Reaction of *Leucaena leucocephala* to populations of *Meloidogyne incognita* and *M. javanica* from Puerto Rico, 70(2), 157 (RN).
- \*1987, Influence of temperature and soil type on the histopathology of *Meloidogyne incognita* in snap beans, 71(1), 97.
- \*1989, Nematicides and *Paecilomyces lilacinus* in nematode control in watermelon, 73(1), 75 (RN).
- \*1989, Sustratos de arroz (*Oriza sativa* L.) y el crecimiento del hongo biocontrolador de nematodos *Paecilomyces lilacinus*, 73(1), 79 (RN).
- 1989, Variedades de tomate (*Lycopersicon esculentum* Mill.) y susceptibilidad al nematodo *Meloidogyne incognita*, 73(1), 83 (RN).
- \*1989, Suitability of pumpkin genotypes as hosts of *Meloidogyne incognita*, 73(2), 167. (RN).
- \*1991, Effect of granular nematicides and the fungus *Paecilomyces lilacinus* in nematode control in watermelon, 75(3), 307 (RN).
- 1991, Sistemas de rotación de cosechas sobre los niveles poblacionales de nematodos, 75(4), 399.
- \*1992, Biological and chemical control of nematodes in *Capsicum annuum* L., 76(3-4), 171.
- Vicente-Chandler, J.**
- 1986, Effect of straw disposal method and of nitrogen rates on rice yields and recovery of fertilizer nitrogen, 70(2), 91.
- Vilella, M.**
- 1990, HPLC method for analysis of substrate and products in beverage alcohol production, 74(4), 357.
- Virkki, N.**
- \*1987, Brief notes on the cytology of neotropical Coleoptera, 4. *Chalcolepidius silbermanni* Chevrolat (Elateridae: Pyrophorini), 71(3), 323 (RN).
- 1987, Genic and color polymorphism in Puerto Rican Phyllobiine weevils *Diaprepes abbreviatus* (L.) and *Compsus maricao* Wolcott, 71(4), 391.
- \*1987, Brief notes on the cytology of neotropical Coleoptera, 5. Storage and activation of large sperm cells in male Alticinae, 71(4), 415 (RN).
- \*1989, *Howardula* sp., a nematode new for Puerto Rico parasitizing a parthenogenetic sweet potato associated flea beetle, *Chaetoc-*

- nema perplexa** Blake, 73(2), 171 (RN).
- \*1990, Chromosomes of the Puerto Rican "vaquita," *Diaprepes abbreviatus* (L.) (Curculionidae: Otiorrhynchinae: Phyllobiini, 74(2), 121.
- \*1990, Staining of substances adjacent to the sex bivalent in certain weevils of Puerto Rico, 74(4), 405.
- Vizcaíno, A. M.**
- \*1995, Distribución y frecuencia de la microflora asociada a uredosporas de *Hemileia vastatrix* Berk. & Br., 79(3-4), 153.
  - \*1996, Uso de discos de hoja de cafeto para identificar organismos con potencial de biocontrol, 80(1-2), 81. (RN).
- Wahab, A. H.**
- \*1987, Soil erosion in southeastern Haiti, 71(2), 239 (RN).
- Wessel-Beaver, L.**
- 1986, Bean rust control under field conditions with systemic and contact fungicides, 70(1), 45.
  - \*1988, Agronomic performance of hard endosperm opaque-2 corn populations in Puerto Rico, 72(2), 309.
  - 1989, Mycroflora and germination of maize seed, 73(2), 115.
  - 1990, Pumpkin (*Cucurbita moschata*) breeding priorities based on a survey among Puerto Rican consumers, 74(3), 229
- Wilkinson, R.**
- 1991, Incorporating resistance to *Xanthomonas campestris* pv. *phaseoli* into bean using the latent period as a resistance marker, 75(4), 345.
- Wiscovitch, L.**
- 1996, Minador de los cítricos: *Phyllocnistis citrella* Stanton, en Puerto Rico, 80(1-2), 85. (RN).
- Xande, A.**
- 1996, Macro mineral and trace element content of pangola grass and other forages in Guadeloupe (F.W.I.), 80(1-2), 21.
- Young, R. A.**
- 1991, Daños causados por *Xanthomonas campestris* pv. *phaseoli* y su efecto en el rendimiento de la habichuela (*Phaseolus vulgaris*), 75(4), 353.
- Zapata, M.**
- \*1991, Incorporating resistance to *Xanthomonas campestris* pv. *phaseoli* into bean using the latent period as a resistance marker, 75(4), 345.
  - /1995, Bacterial spot on pepper caused by *Xanthomonas campestris* pv. *vesicatoria*, race 2, from the south coast of Puerto Rico, 79 (1-2), 41.
  - 1996, Evaluación de habichuela (*Phaseolus vulgaris* L.) en generaciones tempranas para resistencia a *Xanthomonas campestris* pv *phaseoli* (Smith) dye, 80(1-2), 55.
  - 1996, Patogenicidad de *Bulkholderia cepacia* en cuatro genotipos de cebolla (*Allium* spp.), 80(3), 123.
- Zappi, E. A.**
- \*1990, TIBA and nitrogen incorporation, senescence, and yield in a symbiotically grown vining dry bean (*Phaseolus vulgaris* L.) genotype, 77(3), 311.

