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Agricultural Experiment Station
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EDUCATION

MICHIGAN STATE UNIVERSITY East Lansing MI
Ph.D. Plant Breeding/Genetics, 1992

UNIVERSITY OF PUERTO RICO, MAYAGUEZ CAMPUS Mayaguez PR
M.S. Agronomy, 1989

RUTGERS UNIVERSITY, COOK COLLEGE New Brunswick NJ
B.S. Plant Science/Agronomy, 1985

RECENT EXPERIENCE

- 7/02 to present **RESEARCHER** Agricultural Experiment Station, Lajas PR
Plant breeding/horticultural research in tropical/subtropical fruits and ornamentals, advising graduate student theses, website construction and maintenance.
- 10/99 to 6/03 **HEAD OF THE HORTICULTURE DEPARTMENT** UPR, Mayaguez PR
Administrative duties within the Department of Horticulture, which had 30 faculty members (professors, researchers and extension specialists), and approximately 80 undergraduates and 20 graduate students.
- 7/97 to 6/02 **ASSOCIATE RESEARCHER** Agricultural Experiment Station, Lajas PR
Responsibilities included advising graduate student theses, and plant breeding/horticultural research in tropical/subtropical fruits and ornamentals.
- 6/92 to 7/97 **ASSISTANT RESEARCHER** Agricultural Experiment Station, Lajas PR
Responsibilities included research in papaya management, breeding and genetics, and teaching. (Plant Breeding - CFIT 4007).

PROFESSIONAL MEMBERSHIPS

Puerto Rican Society for Agricultural Sciences
California Rare Fruit Growers
Heliconia Society of Puerto Rico (Newsletter Editor and Webmaster)
Heliconia Society International (Board Member and International Cultivar Registrar)

SELECTED PUBLICATIONS

- Cabrera, I. and B.R. Brunner. 2006. Variedades de quenepa: Evaluación de la colección de quenepas en la Estación Experimental de Juana Díaz. Estación Experimental Agrícola, Univ. P.R., Río Piedras, Puerto Rico. (Submitted for publication.)
- Rivero, J.A. and B.R. Brunner. 2006. Árboles frutales exóticos y poco conocidos en Puerto Rico. Editorial Univ. P.R., Río Piedras, Puerto Rico.
- Brunner, B. 2006. The heliconia checklist and register. Bull. Heliconia Society International 12(3/4):1-36.
- Darnell, R.L., B. Brunner, H.E. Alvarado, J.G. Williamson, M. Plaza and E. Negrón. 2006. Annual, off-season raspberry production in warm season climates. HortTechnology 16(1):92-97.
- Brunner, B.R. 2005. Registration of *H.* 'Crocodile' and *H.* 'Johnson Beharry V.C.'. Bull. Heliconia Society International 12(2):16.
- Crane, J.H., F. Zee, G.S. Bender, B. Faber, B. Brunner and C.L. Chia. 2003. Commercial Sapindaceae fruit production in the U.S.A. Second Lychee, Longan, Rambutan and Other Sapindaceae Symposium, 25-28 August 2003, Chiangmai, Thailand.
- Brunner, B. 2001. Registration of new heliconia cultivars. Part II. The registration process. Heliconia Society of Puerto Rico Newsletter No. 4, December 2001.
- Brunner, B. 2001. Rambutan grafting experiments. Online publication at Quisqualis Rare Fruit Website (<http://www.quisqualis.com/01Ramb.html>).
- Brunner, B. 2000. Puerto Rico y US Virgin Islands (Estados Unidos). p. 279-280. In: H. Knudsen (ed.) Directorio de colecciones de germoplasma en América Latina y el Caribe. Primera edición. International Plant Genetic Resources Institute (IPGRI), Rome.
- Brunner, B. 2000. Registration of new heliconia cultivars. Part I. Taxonomy and the need for cultivar registration. Heliconia Society of Puerto Rico Newsletter, December 2000.

Martin, F.W. and B. Brunner. 2000. Palms for development: Useful palms of the tropics and their potential. Educational Concerns for Hunger Organization, North Fort Myers, Florida.

Ramírez, L.M., B. Brunner, A. Armstrong, A. Pantoja and M. Davis. 1999. La papaya como nuevo hospedero de *Empoasca fabalis* en Puerto Rico. J. Agric. U.P.R. 83(1-2):79-82.

Brunner, B.R. 1998. Papaya performance unaffected by lateral shoot pruning. J. Agric. Univ. Puerto Rico 82(1-2):63-68.

Davis, M.J., Z. Ying, B.R. Brunner, A. Pantoja and F.H. Ferwerda. 1998. Rickettsial relative associated with papaya bunchy top disease. Current Microbiology 36:80-84.

Davis, M.J., J.B. Kramer, F.H. Ferwerda and B.R. Brunner. 1996. Association of a bacterium and not a phytoplasma with papaya bunchy top disease. Phytopathology 86:102-109.

SELECTED PROFESSIONAL PRESENTATIONS

Brunner, B.R., G. Serrano Rodríguez, F.H. Ferwerda and L.I. Rivera. 2006. Fungicidal properties of *Clausena excavata* aqueous extracts. Puerto Rican Society for Agricultural Sciences Annual Meeting, 10 November 2006, Guayanilla, Puerto Rico.

Brunner, B.R., R. Vélez Colón, C.A. Flores y A. Cedeño Maldonado. 2006. Crecimiento vegetativo en 18 cultivares de quenepa (*Melicoccus bijugatus* Jacq.). Puerto Rican Society for Agricultural Sciences Annual Meeting, 10 November 2006, Guayanilla, Puerto Rico.

Brunner, B.R., R. Vélez Colón, C.A. Flores and A. Cedeño Maldonado. 2006. Cultivar and location affect early vegetative development of quenepa (*Melicoccus bijugatus* Jacq.). Annual Meeting Interamerican Society for Horticultural Science, 24-30 September 2006, San Juan, Puerto Rico.

Roque, S.M., B. Brunner and A. Wszelaki. 2006. Alternativas para el manejo de malezas en la producción de sandía orgánica tropical. Annual Meeting Interamerican Society for Horticultural Science, 24-30 September 2006, San Juan, Puerto Rico.

Wszelaki, A. and B. Brunner. 2006. Creating a more sustainable watermelon production system in Puerto Rico. Annual Meeting Interamerican Society for Horticultural Science, 24-30 September 2006, San Juan, Puerto Rico.

- Brunner, B.R. 2000. Recursos fitogenéticos de frutas tropicales en Puerto Rico. XLVI Annual Meeting of the Programa Cooperativo Centroamericano para el Mejoramiento de Cultivos y Animales (PCCMCA), 1-5 May 2000, San Juan, Puerto Rico.
- Cabrera, I. y B.R. Brunner. 2000. Evaluación fitogenética de variedades de *Melicoccus bijugatus* L. (quenepa) en Puerto Rico. XLVI Annual Meeting of the Programa Cooperativo Centroamericano para el Mejoramiento de Cultivos y Animales (PCCMCA), 1-5 May 2000, San Juan, Puerto Rico.
- Cabrera, I., B. Brunner and S. Henríquez. 1998. Evaluación preliminar de genotipos de quenepa (*Melicoccus bijugatus*). Annual Meeting of the Puerto Rican Society for Agricultural Sciences, 13 November 1998, Carolina, Puerto Rico.
- Astacio Díaz, A., B.R. Brunner, L. González, F. Ferwerda and B. Lankford. 1997. Tissue culture propagation of *Heliconia caribaea* (Lam.). Annual Meeting of the Caribbean Food Crops Society, 6-12 July 1997, San Juan, Puerto Rico.
- Serrano, R. and B.R. Brunner. 1997. A method for harvesting pollen in papaya. Annual Meeting of the Caribbean Food Crops Society, 6-12 July 1997, San Juan, Puerto Rico.
- Davis, M.J., Z. Ying, B.R. Brunner, A. Pantoja and F.H. Ferwerda. 1997. PCR detection of the rickettsia associated with papaya bunchy top disease. Annual Meeting of the Caribbean Food Crops Society, 6-12 July 1997, San Juan, Puerto Rico.
- Brunner, B.R., M.J. Davis, F.H. Ferwerda, L.M. Ramírez and A. Pantoja. 1996. Recent advances in papaya bunchy top research. Annual Meeting of the Puerto Rican Society for Agricultural Sciences, 22 November 1996, Hato Rey, Puerto Rico.
- Ramírez, L.M., B.R. Brunner, A. Pantoja and A. Armstrong. 1996. Identificación del vector y caracterización de la transmisión del cogollo racimoso en la papaya en Puerto Rico. Annual Meeting of the Puerto Rican Society for Agricultural Sciences, 22 November 1996, Hato Rey, Puerto Rico.
- Brunner, B.R., F.H. Ferwerda, M.J. Davis, L.M. Ramírez and A. Pantoja. 1996. Screening for resistance to papaya bunchy top disease. 42nd Annual Meeting of the Interamerican Society for Tropical Horticulture, 20-25 October 1996, Curitiba, Paraná, Brazil.
- Ferwerda, F.H., B.R. Brunner, M.J. Davis and J.B. Kramer. 1996. Etiology of papaya bunchy top disease. Third Congress of the Caribbean Society of Biotechnology, 22-23 March 1996, Mayaguez, Puerto Rico.
- Brunner, B.R. 1995. The effect of lateral shoot pruning on the performance of papaya. Annual Meeting of the Puerto Rican Society for Agricultural Sciences, 10 November 1995, Guayanilla, Puerto Rico.

Brunner, B.R., F.H. Ferwerda, and L. Flores. 1995. In vitro germination of papaya pollen. Annual Meeting of the Puerto Rican Society for Agricultural Sciences, 10 November 1995, Guayanilla, Puerto Rico.

Ferwerda, F.H., B.R. Brunner, M.J. Davis and J.B. Kramer. 1995. Etiology of papaya bunchy top disease. XXI Reunión Panamericana de INTERCIENCIA, 23 August 1995, San Juan, Puerto Rico.

Davis, M.J., J.B. Kramer, F.H. Ferwerda and B.R. Brunner. 1995. Evidence for a bacterial etiology of papaya bunchy top disease. Annual Meeting of the American Phytopathological Society, 12-16 August 1995, Pittsburgh, Pennsylvania.

Davis, M.J., J.B. Kramer, F.H. Ferwerda and B.R. Brunner. 1995. Possible bacterial etiology of papaya bunchy top disease. Annual Meeting of the Caribbean Food Crops Society, 9-14 July 1995, Barbados.