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### **EDUCATION**

Ph. D. L. H. Bailey Hortorium. Cornell University. January 2000. Dissertation Title: Evolution, Ecology and Systematics of the myrmecophytic genus *Tococa* Aublet (Melastomataceae). Advisor: Dr. Eloy Rodriguez.  
Licenciado en Biología, *Magna cum laude*, Mención Ecología (Bachelor in Biology, *Magna cum laude*, Minor: Ecology). Universidad Central de Venezuela, December 1993. Thesis: Algunos Aspectos Ecológicos de un Litobioma del Roraima Tepuy (Some Ecological Aspects of the lithobiomes of the Roraima Tepuy). Advisor: Dr. Luís Bulla.

### **WORK AND RESEARCH EXPERIENCE**

June 2004 to present. Assistant Curator. Institute of Systematic Botany, The New York Botanical Garden.  
September 2002 to June 2004. Research Associate, Cullman Program for Molecular Systematic Studies, The New York Botanical Garden.  
August 2000 to August 2002. Cullman Postdoctoral Fellow, Department of Ornithology, American Museum of Natural History.  
February 2000-July 2000. Postdoctoral Associate, L.H. Bailey Hortorium, Department of Plant Biology, Cornell University (with Jerrold I Davis).  
March 1993-October 1993. Researcher, Spectacled Bear Project. Provita, Caracas, Venezuela.  
October 1992-July 1993. Proposal for a Tourist Trail in the summit of Roraima Tepuy, Canaima National Park, Venezuela. Work sponsored by the Terramar Foundation, for INPARQUES (Venezuelan National Institute of Parks). Co-authored with Francisco F. Herrera.

### **ADJUNT AND AD-HONOREM POSITIONS**

Fundación Instituto Botánico de Venezuela. Associate Researcher. 2004-Present.  
City University of New York, Graduate Center. Doctoral Faculty. 2005-Present  
Yale University, School of Forestry and Environmental Studies. Adjunct Assistant Professor. 2006-Present

### **OTHER ACTIVITIES**

Brittonia, Associate Editor. October 2004 – present.  
Organization of Flora Neotropica, Commission Member. 2006-Present.

Scientific Advisor and On-Screen Scientist for the IMAX documentary “Lost Worlds. Life in the Balance”. Directed by Bayley Silleck. Produced by Primesco Productions (Montreal, QC). January 2000- May 2001.

Student representative to the council of the School of Biology. Universidad Central de Venezuela. January 1992-February 1994.

Student representative to the Curricular Commission, School of Biology, Universidad Central de Venezuela. October 1991- December 1993.

Member of the Board, Provita, Caracas, Venezuela (Provita is a Venezuelan NGO devoted to wildlife conservation, education and research). March 1991-March 1993.

### **TEACHING EXPERIENCE (last 5 years)**

Guest Lecturer, Course OTS-2006-9. Tropical Plant Systematics (English), Organization for Tropical Studies, Costa Rica. July 2006.

Tropical Field Botany. (FES623). School of Forestry and Environmental Studies, Yale University. Spring 2006.

Plant Systematics. Graduate Center, City University of New York. Fall 2005. (coordinated by Larry Kelly).

Coordinator Course OTS-2005-18. Tropical Plant Systematics (Spanish), Organization for Tropical Studies, Costa Rica. June-July 2005.

Current Topics in Plant Systematics. Graduate Center, City University of New York. Spring 2005. (coordinated by Larry Kelly).

Tropical Field Botany (5 lectures and leader of a 11 day field trip to Costa Rica) . Yale University. Coordinated by Andrew Henderson Spring 2004.

Co-coordinator Course OTS-2003-18. Tropical Plant Systematics (Spanish), Organization for Tropical Studies, Costa Rica. June-July 2003.

Guest Lecturer, Course OTS-2002-9. Tropical Plant Systematics (English), Organization for Tropical Studies, Costa Rica. June 2002.

Guest Lecturer, Course OTS-2001-18. Tropical Plant Systematics (Spanish), Organization for Tropical Studies, Costa Rica. July 2001.

### **PEER REVIEWED PUBLICATIONS**

Davis, J.I., G. Petersen, O. Seberg, D.W. Stevenson, C.R. Hardy, M.P. Simmons, **F.A.**

**Michelangeli**, D.H. Goldman, L.M. Campbell, C.D. Specht, and J.I. Cohen. (2006). Are mitochondrial genes useful for the analysis of monocot relationships? *Taxon* 55: 857-870.

Petersen, G., O. Seberg, J. I. Davis, D. H. Goldman, D. W. Stevenson, L. M. Campbell, **F. A. Michelangeli**, C. D. Specht, M. W. Chase, M. F. Fay, J. C. Pires, J. V. Freudenstein, C. R. Hardy, & M. P. Simmons. (2006). Mitochondrial DNA in Monocot Phylogeny. In .T Columbus, E. A. Friar, J. M. Porter, L. M. Prince & M. G. Simpson [eds.] *Monocots: Comparative Biology and Evolution (excluding Poales)*. Rancho Santa Ana Botanical Gardens, Claremont, California, USA.

**Michelangeli, F. A.** (2006). Two new species of myrmecophytic *Tococa* (Melastomataceae) with unusually large floral bracts. *Brittonia* 58 (2): 151-155.

**Michelangeli, F. A.** (2005). *Tococa* (Melastomataceae). *Flora Neotropica Monographs* 98: 1-114.

- Michelangeli, F. A.** & E. Rodriguez (2005). Absence of cyanogenic glycosides in the tribe Miconieae (Melastomataceae). *Biochemical Systematics and Ecology* 33 (4): 335-339.
- Davis, J.I., D.W. Stevenson, G. Petersen, O. Seberg, L.M. Campbell, J.V. Freudenstein, D.H. Goldman, C.R. Hardy, **F.A. Michelangeli**, M.P. Simmons, C.D. Specht, F. Vergara-Silva, and M.A. Gandolfo (2004). A phylogeny of the monocots, as inferred from *rbcL* and *atpA* sequence variation, and a comparison of methods for calculating jackknife and bootstrap values. *Systematic Botany* 29(3): 467-510.
- Michelangeli, F. A.**, D. S. Penneys, J. Giza, D. Soltis, M. H. Hills & J. D. Skeeve Jr. (2004). A preliminary phylogeny of the tribe Miconieae (Melastomataceae) based on nrITS sequence data and its implications on inflorescence position. *Taxon* 53 (2):279-290.
- Michelangeli, F. A.**, J. Francisco-Ortega, D. González, A. Jaramillo, E. Ruiz, E. Santiago & A. P. Vovides (2004). Plant Molecular systematics in Latin America. Status, realities, and perspectives. *Taxon* 53 (2): 265-268.
- Michelangeli, F. A.** (2003) Ant protection against herbivory in tree species of *Tococa* (Melastomataceae) occupying different environments. *Biotropica* 35 (2): 181-188.
- Michelangeli, F. A.**, J. I. Davis and D. Wm. Stevenson. (2003) Phylogenetic relationships among Poales and related families as inferred from morphology, inversions in the plastid genome and sequence data from the mitochondrial and plastid genomes. *American Journal of Botany* 90 (1):93-106
- Michelangeli, F. A.** (2001) Lectotypification of some species of *Tococa* (Melastomataceae). *Novon* 11 (1): 76-78.
- Michelangeli, F. A.** (2000) A cladistic analysis of the genus *Tococa* (Melastomataceae) based on morphological data. *Systematic Botany* 25 (2): 211-234.
- Michelangeli, F. A.** (2000) Species composition and Species-Area Relationships in Vegetation Islands of the Roraima Tepui. *Journal of Tropical Ecology* 16 (1): 69-82.

#### OTHER PUBLICATIONS

- Michelangeli, F. A.** (2005). Ecología Vegetal de los Tepuyes. in: Michelangeli, A. (editor). *Tepuy: Colosos de la Tierra*. pp 141-153. Altolitho, Caracas, Venezuela.
- Michelangeli, F. A.** (2001) *Tococa*. In *Melastomataceae*. Berry, P. E., Holst, B. K., & Yatskievych, K. *Flora of the Venezuelan Guayana*. Vol 6. Missouri Botanical Garden.
- Herrera, A.M., **F. Michelangeli**, J. Nassar, J.P. Rodriguez and D. Torres.(1992) The Spectacled Bear of the Sierra Nevada National Park, Venezuela. *in: The 1991 International Studbook for the Spectacled Bear*. Lincoln Park Zoological Gardens, Chicago. pp. 61-81.

#### BOOK REVIEWS

- Michelangeli, F. A.** 2006. *Agustín Rudas Lleras & Adriana Prieto Cruz. 2005. Flórula del Parque Nacional Natural Amacayacu, Amazonas, Colombia. Monographs in Systematic Botany from the Missouri Botanical Garden* 99. *Brittonia* 58 (1): 90-91.
- Michelangeli, F. A.** 2005. *Thomas van der Hammen & Alice G. dos Santos, editors. 2003. La Cordillera Central Colombiana, Transecto Parque Los Nevados (Ultima parte). Studies on Tropical Andean Ecosystems* 5. *Brittonia* 57 (3): 296-297.
- Michelangeli, F. A.** 2004. *Keller, Roland. 2003. Identification of Tropical Woody Plants in the Absence of Flowers: A Field Guide (2nd ed)*. *Plant Science Bulletin* 50(3): 94-95

### **ABSTRACTS PUBLISHED & PRESENTATIONS IN CONGRESSES (last 5 years)**

- Martin, C. V., D. Little & **F. A. Michelangeli** (2006). Botany 2006. A preliminary phylogenetic analysis of the polyphyletic genus *Leandra* Raddi Miconieae, Melastomataceae. Chico, California, August 2006.
- Michelangeli F. A.**, W. Judd, D. Penneys, J. D. Skean, E. R. Becquer, R. Goldenberg & C. V. Martin. 2006. La tribu Miconieae (Melastomataceae) en las Antillas: múltiples eventos de dispersión y radiación. IX Congreso Latinoamericano de Botánica. Santo Domingo, Republica Dominicana. 18-25 June 2006.
- Doria, G\*, L. Kelly & **F. A. Michelangeli**. 2006. Dientes teoides en Ericales: ¿Una sinapormorfia para el orden? IX Congreso Latinoamericano de Botánica. Santo Domingo, Republica Dominicana. 18-25 June 2006.
- Michelangeli, F. A.**, R. Goldenberg, W. Judd, D. S. Penneys, C. V. Martin, J. D. Skean Jr, & E. Becquer. (2005). Estudos Filogenéticos em Miconieae (Melastomataceae). 56 Congresso Nacional de Botânica. Curitiba, Brasil. October 2005.
- Martin, C. V.\* & **F. A. Michelangeli** (2005). A Preliminary Phylogenetic study of the polyphyletic genus *Leandra* (Miconieae: Melastomataceae), based on DNA sequence data. XVII International Botanical Congress. Vienna, Austria. July 2005.
- Michelangeli, F. A.** & D. Wm. Stevenson (2004). Comparative morphology, anatomy and development of ant-domatia in Neotropical Melastomataceae. Botany 2004 August 2004, Snowbird, Utah.
- Penneys, D. S\*, **F. A. Michelangeli**, W. Judd & J. D. Skean Jr. (2004). Henrietteae, a new tribe of Neotropical Melastomataceae. Botany 2004. August 2004, Snowbird, Utah.
- Michelangeli, F. A.** (2004). Evolution of myrmecophytism in Neotropical Melastomataceae: cues from phylogenetic, and anatomical data. Meeting of the Association for Tropical Biology and Conservation. July 2004. Miami, Florida.
- Almeda, F., R. Goldenberg, **F. A. Michelangeli**, D. S. Penneys & S. S. Renner\* (2003) Progress in *Miconia* (Melastomataceae): 1531 names, 1061 readily distinguishable entities. Systematics 2003. 4<sup>th</sup> Biennial Meeting of the Systematics Association. August 18-23, 2003. Dublin, Ireland.
- Petersen, G\*, O. Seberg, J. I. Davis, D. Wm. Stevenson, L. M. Campbell, J. V. Freudenstein, D. H. Goldman, C. R. Hardy, **F. A. Michelangeli**, M. P. Simmons & C. D. Specht (2003). Mitochondrial data in monocot phylogenies. Monocots III/Grasses IV. March 2003. Rancho Santa Ana, California.
- Michelangeli, F. A.** (2002). Integrando moléculas y morfología; iluminación recíproca en el estudio de la tribu Miconieae (Melastomataceae). III Congreso Latinoamericano de Botánica. October 2002, Cartagena, Colombia.
- Michelangeli, F. A.** (2002). Phylogenetic relationships in the Miconieae: Evidence from morphological and ITS sequence data. August 2002, Madison, Wisconsin.
- Michelangeli, F. A.**, J. I. Davis and D. Wm. Stevenson (2002). Phylogenetic studies in the Poales: A combined analysis of morphological, sequence and chloroplast structure data. August 2002, Madison, Wisconsin.
- Michelangeli, F. A.** (2001). Fruit dispersal and character evolution in the Neotropical genus *Tococa* (Melastomataceae). Botany 2001, Botanical Society of America. August 2001, Albuquerque New Mexico (Abstracts).

Davis, J. I\*., D. Wm. Stevenson, L. Campbell, D. Goldman, C. Hardy, **F. Michelangeli**, M. Simmons, and C. Specht (2001). Phylogenetic relationships among the monocots, as inferred from morphology and nucleotide sequence variation in three genes. Botany 2001, Botanical Society of America. August 2001, Albuquerque New Mexico (Abstracts).

**PROFESSIONAL SOCIETIES (Current)**

American Society for Plant Taxonomy

Botanical Society of America

Association for Tropical Biology and Conservation