

CURRICULUM VITAE – 11 October 2017
FRANK ALMEDA

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Education:

B.A. Botany and Bacteriology (minor field: chemistry) University of South Florida, Tampa, Florida, 1968.

Ph.D. Botany (minor field: zoology) Duke University, Durham, North Carolina, 1975.

Professional and other Appointments:

1966 - 1968 - Research and Field Assistant, Flora of Tropical Florida Project, Department of Botany and Bacteriology, University of South Florida.

1967 - Laboratory Teaching Assistant, University of South Florida.

1968 -1969 and 1971-1974 - Graduate Teaching Assistant, Department of Botany, Duke University.

1969-1971 – Military Service, United States Army.

1974 (spring) - Instructor, Spring Flora of the Piedmont, North Carolina, University of North Carolina Botanical Garden and North Carolina State Museum of Natural History.

1975 - 1978 - Assistant Professor, Department of Biology, University of California, Los Angeles.

1978 - 1985 - Associate Curator, Department of Botany, California Academy of Sciences.

1981-1983 – 1991-1993 - 1998-2000 – 2009-2011 - Chairman, Department of Botany, California Academy of Sciences.

1983 - 1986 - Director of Research, California Academy of Sciences.

2006 - 2008

1985 - 2014 - Senior Curator, Decker and Martha McAllister Chair of Botany, California Academy of Sciences.

2014 – Curator Emeritus, Institute for Biodiversity Science and Sustainability, California Academy of Sciences

1998 - present - Research Professor of Biology, San Francisco State University.

2005-2011 - present - Visiting Professor, Universidade Estadual de Campinas, São Paulo, Brazil.

Military Service: 1969 - 1971 - United States Army (Overseas Duty - Republic of Korea).

Research Interests: Using flowering plants to address questions about plant biodiversity, biogeography, and evolution, I am interested in why some families of flowering plants are so species-rich and the factors that have promoted this diversification. Can certain families of plants be used as indicators of biodiversity hotspots and can this information be useful in conservation decisions? I am also studying species in a megadiverse family of plants like Princess Flowers to determine how they are related to one another and where they fit into the tree of life for flowering plants. These studies are employing molecular, morphological, and cytological data.

My research has always had a strong focus on the tropics where I have organized dozens of field expeditions to Mexico, Central and South America, and Madagascar. In recent years, I have been working with a team of colleagues, including chemists and anthropologists, on a drug discovery project in Madagascar where we are working with local healers and villagers to identify plants used by people and lemurs. This work is promoting the sustainable use and conservation of biodiversity in a critical developing country.

Closer to home, I have always been heavily involved in teaching people about the plants in our local flora. With assistance from two colleagues in the California Native Plant Society, in late 2007, we published a new Flora of Marin County.

Field Experience: Southeastern United States (emphasis on Florida and coastal plain of the Carolinas (1965-1968; 1971-1974, California (1975 – present); Nevada (1982-1984); Arizona (1989); (Belize (1971); Colombia (2006, 2011, 2012); Guatemala (1971, 1972, 1986); El Salvador (1972); Nicaragua (1972); Mexico (1972-73, 1975, 1976, 1980-1983, 1986, 2003); Costa Rica (1971-78, 1981, 1986-1989, 1991-1994, 1998, 1999); Panama (1971-1973, 1981, 1988, 1989, 1996); Hawaii (1984); Ecuador (1979, 1997); Brazil (1980, 1996, 1998, 1999, 2001, 2004, 2005, 2006, 2009); Venezuela (1993); Madagascar (1993, 1996, 1998, 2003, 2004, 2006, 2009, 2010); Puerto Rico (1995), Namibia & South Africa (1985); Philippines (2011); Yemen - Socotra Island (2008).

Study Leader and Lecturer for CAS Natural History Tours:

Hudson River Valley and Museums of New York
Galapagos Islands and Andean Ecuador and Peru
Canadian Rockies
Costa Rica (4 tours)
Cuba (2 tours)
Swiss Alps and the Dolomites
The Pyrenees and Northern Spain (2 tours)
Trinidad/Tobago and Venezuela (2 tours)
Costa Rica and the Panama Canal
Southern Brazil
Madagascar (5 tours)
Patagonia (2 tours)
Southern Spain and the Canary Islands
Mediterranean Islands of Malta, Sicily, and Sardinia

Membership in Scientific Societies:

American Society of Plant Taxonomists
Association for Tropical Biology
Botanical Society of America
California Botanical Society
International Association of Plant Taxonomists
Madagascar Faunal Group
Organization for Tropical Studies

Other Professional Activities:

1979 -1982 Corresponding Secretary - California Botanical Society
1979 -1981 Editorial Board - Systematic Botany Monographs
1982- present Contributing Committee Member, Index to Plant Chromosome Numbers
1982 - 1983 Publicity Committee, American Society of Plant Taxonomists
1983 - 1990 Advisory Panel, Flora North America Project
1986 - 1987 President, California Botanical Society
1988 – 2006 Editorial Board, Pacific Discovery/ California Wild
1997 - present Board of Trustees, Ex Officio, San Francisco Botanical Garden
1999 - present Board of Commissioners, Organization for Flora Neotropica
2000-2004 present Board of Trustees, Golden Gate National Parks Conservancy
2004- present Board of Trustees Associate, Golden Gate National Parks Conservancy
2012- present Editorial Board, Harvard Papers in Botany
2012- Publications Committee, California Native Plant Society

Honors and Awards:

Society of Sigma Xi
Fellow of the California Academy of Sciences

Jessie M. Greenman Award of the Missouri Botanical Garden Alumni Association

Annual Award of the California Horticultural Society (2014)

Grant History: (Excluding numerous in-house grants from CAS and UCLA)

"Field Studies of the Costa Rican Melastomataceae", Faculty Research Grant, University of California, Los Angeles, 1975-1977.

"Pollination studies of some Nyctaginaceae in the southern California deserts", Academic Senate Grant, University of California, Los Angeles, 1976.

"Studies of the Costa Rican Melastomataceae", NSF DEB 76-83040, University of California, Los Angeles, 1976-1978.

"Systematic studies of the Costa Rican Melastomataceae", NSF DEB 78-2562, 1978-1980.

"Support for Systematic Collections at the California Academy of Sciences", NSF DEB 79-27070, 1979-1982.

"Support for Use and Care of Botanical Collections at the California Academy of Sciences", NSF BRS 83-11930, 1983-1986.

"Support to help underwrite the publication of Tropical Rainforests: Diversity and Conservation", World Wildlife Fund-US, Grant #6143, 1987.

"Field studies of Mesoamerican Melastomataceae", NSF BSR 86-14880, 1986-1989.

"Support for Computerization and Maintenance of Botanical Systematic Collections at the California Academy of Sciences", NSF DEB 9113496, 1992-1996.

"Support for Undergraduate Internships in California Botany", Marin Community Foundation, 1997-2005.

"Curatorial Support for Botanical Systematic Collections at the California Academy of Sciences", NSF DEB 9123340, 1992-1996.

"Marin Flora – A Guide to the Vascular Plants of a Bay Area County", California Native Plant Society – Marin Chapter, 1996-2006. Financial support to facilitate a rewrite and publication of the classic Marin Flora which was originally published in 1949. (with W. Follette and Kay Best)

"Systematic and Evolutionary Studies of Brazilian Melastomataceae", National Geographic Society Grant 6173-98, 1997-1999. (with A. B. Martins)

"Historical Biogeography of *Symplocos*, an Amphi-Pacific Tropical Disjunct Plant", NSF DEB

0126631. (Co-PI with Peter W. Fritsch). 2001-2004. Granted a no cost extension through 2006.

“Academy Madagascar Project for Training and Biodiversity Conservation” McBean Family Foundation, \$158,000 (Co-PI with B. Fisher and C. Klieger)

“Conservation Training in Madagascar”, McBean Family Foundation, \$85,000 (Co-PI with B. Fisher). 2001-2004.

“Facility and Biodiversity Center Support in Madagascar”, McBean Family Foundation, \$114,000 (Co-PI with B. Fisher). 2002-2005.

“Systematics and Phylogeny of the Brazilian endemic, *Lavoisiera* (Melastomataceae)”, – M. Stanley Charitable Trust, 2001-2002, 2005, and Fundação de Amparo à Pesquisa do Estado de São Paulo (FAPESP), \$20,000. (with A. B. Martins)

“Drug Discovery and Biodiversity Conservation in Madagascar”, International Cooperative Biodiversity Group (ICBG) Program of the National Institutes of Health, 2003-2006. \$150,000. This grant is funding our interdisciplinary collaborative team of botanists, chemists, and anthropologists that includes F. Almeda (California Academy of Sciences), I. Ojima (State University of New York, Stony Brook), and P. Wright (State University of New York, Stony Brook), INDENA (a pharmaceutical company in Milan, Italy), and colleagues at two universities in Madagascar.

“Using Species-Rich Malagasy Flowering Plant Families as Hotspot Indicators”, M. Stanley Rundel Charitable Trust. \$15,000. 2003-2005.

“Princess Flowers (Melastomataceae) of the Cerrado Biome – Brazil’s other Biodiversity Hotspot”, M. Stanley Rundel Charitable Trust. \$16,000. 2004-2006.

“Support for Acquisition of a Toyota Land Cruiser for Botanical Field Research in Madagascar”, M. Stanley Rundel Charitable Trust, \$25,000. 2005.

“MelList, a Complete Taxonomy of Melastomataceae sensu lato (Myrtales, eurosids, flowering plants) for the Electronic Catalogue of Names of Known Organisms”, funded by the Global Biodiversity Information Facility (GBIF), \$70,000. 2006-2007. This project will be accomplished by a collaborative team including F. Almeda (California Academy of Sciences), S.S. Renner (Botanische Staatssammlung, München, Germany), F. Michelangeli (New York Botanical Garden), C. Ulloa U. (Missouri Botanical Garden), Renato Goldenberg (Universidade Federal do Paraná, Curitiba, Brazil), and H. Mendoza (Instituto de Investigación de Recursos Biológicos Alexander von Humboldt, Bogotá, Colombia).

“Support for Research Programs at the California Academy of Sciences”. Uvas Foundation. \$20,000. 2007.

“Digitization of Latin American Plant Types at the California Academy of Sciences”. Andrew W.

Mellon Foundation, 2007-2009. \$62,000 (P.I with Debra Trock).

“A complete web based monograph of the Miconieae: a megadiverse clade of neotropical Melastomataceae”. Planetary Biodiversity Inventories (PBI), National Science Foundation. 2009-2014. \$3,000,000. (CoPI with F. A. Michelangeli, W. Judd, and R. Goldenberg).

“Adaptive radiation of the genus *Lavoisiera*” (Melastomataceae) in the cerrado biome of Brazil, M. Stanley Rundel Charitable Trust, 2008-2009, \$13,000.

“Digitization of Vascular Plant Type Specimens from Africa, Latin America, and other geographic areas at the California Academy of Sciences”. Andrew W. Mellon Foundation), 2008-2010, \$145,000 (P.I. with Debra Trock).

“Support for Biodiversity Research in Madagascar”. McBean Family Foundation, 2009-2010, \$35,400 (P.I. with Brian Fisher).

“Funding to support purchase of special camera setup for the Global Plants Initiative Project”, Stanley Rundel Charitable Trust, 2010, \$15,000.

“Support to Image Bulky Botanical Specimens and to facilitate expanded participation of sister institutions in the Global Plants Initiative”. Andrew W. Mellon Foundation, 2010-2012, \$116,000 (P.I. with Debra Trock).

“Assessing Conservation Priorities for Paleotropical Princess Flowers (Melastomataceae) using DNA sequence data.” Horne Family Foundation, 2010-2011, \$7,500 (CoPI with Darin S. Penneys).

“Exploring the Diversity of the Philippine Archipelago from the Mountains to the Sea” Will Hearst, 2011-2012, \$500,000 (CoPI with Terry Gosliner, Rich Mooi, and M. Burke).

“Research Opportunities and Professional Development for Malagasy scientists at the California Academy of Sciences”, 2011-2012, \$25,000. Edith McBean Fund.

“Assessing phylogeny and biogeography in a megadiverse tropical plant family (Melastomataceae).” Systematics and Biodiversity Science, Division of Environmental Biology, National Science Foundation. 2012-2015. \$545,200. (CoPI with D. S. Penneys, P. W. Fritsch, and F. Michelangeli).

“Field support for systematic and phylogenetic studies of Melastomataceae in Colombia.” Stanley Rundel Charitable Trust, 2013, \$7,500.

Evolution of Functional Traits in the Melastomataceae.” Catalyzing New International Collaborations , National Science Foundation. 2015. \$26,975. (CoPI with Fetcher, N., N. Kraft, and F. Michelangeli.)

Publications:

1973

Chemical and nomenclatural notes on the *Parmelia xanthina* complex. *The Bryologist* 76(4):541-543. (with J. P. Dey)

1974

Monochaetum talamancense (Melastomataceae): a new species endemic to Costa Rica. *Brittonia* 26:70-73.

A new epiphytic *Blakea* (Melastomataceae) from Panama. *Brittonia* 26:393-397.

1976

A new species of *Symplocos* (Symplocaceae) from Mexico. *Madroño* 23:365-368.

In: IOPB Chromosome Number Reports LIV. *Taxon* 25:631-649. (with C.D. George)

1977

Systematics of the Neotropical genus *Centradenia* (Melastomataceae). *J. Arnold Arb.* 58:73-108.

Review of Raven, P. H. & T. E. Raven. The Genus *Epilobium* in Australasia. A systematic and evolutionary study. *Quart. Rev. Biol.* 52(4):422-423.

1978

Systematics of the genus *Monochaetum* (Melastomataceae) in Mexico and Central America. *Univ. Calif. Publ. Bot.* 75:1-134.

1979

A new Costa Rica species of *Clidemia* (Melastomataceae). *Bull. Torrey Bot. Club.* 106: 189-192.

1980

Central American novelties in the genus *Blakea* (Melastomataceae). *Rhodora*: 82: 609-615.

Blakea penduliflora (Melastomataceae): a new green-flowered species from Costa Rica. *Brittonia* 32: 508-511.

1981

Pilocosta, a new genus of tropical American Melastomataceae. *Syst. Bot.* 5: 294-311. (with T. Whiffin)

New and reconsidered species of *Miconia* (Melastomataceae) from Costa Rica and Panama. *Proc. Calif. Acad. Sci.* 42(10): 303-314.

The Mexican and Central American species of *Adelobotrys* (Melastomataceae). Ann. Missouri Bot. Gard. 68:204-212.

1982

Symplocos sousae, a new species of Symplocaceae from Mexico. Madroño 29: 255-258.

Three new Costa Rican species of *Symplocos* (Symplocaceae). Bull. Torrey Bot. Club 109: 318-324.

Review of Smith, L.B. & R.J. Downs. Bromelioideae (Bromeliaceae). Madroño 29: 275.

1983

Three new Mesoamerican species of *Miconia* (Melastomataceae). Brittonia 35: 42-48.

1984

New and noteworthy additions to the Melastomataceae of Panama. Proc. Calif. Acad. Sci. 43(17): 269-282.

1986

Melastomataceae. In: Listados Florísticos de Mexico. Vol. 4, Flora de Chiapas. Edited by D.E. Breedlove, pp. 135-138. Mexico, D.F.: Instituto de Biología, UNAM.

Symplocaceae. In: Listados Florísticos de Mexico. Vol. 4, Flora de Chiapas. Edited by D.E. Breedlove, pg. 187. Mexico, D.F.: Instituto de Biología, UNAM.

1988

Tropical Rainforests: Diversity and Conservation. Mem. Calif. Acad. Sci. No. 12, California Academy of Sciences and Pacific Division, American Association for the Advancement of Science. (Co-edited with Catherine M. Pringle)

1989

Tessmannianthus, an arborescent genus of Melastomataceae new to Panama. Ann. Missouri Bot. Gard. 76:1-6.

Five new berry-fruited species of Tropical American Melastomataceae. Proc. Calif. Acad. Sci. 46(5): 137-150.

New species and taxonomic notes on Mexican and Central American Melastomataceae. Proc. Calif. Acad. Sci. 46(9):209-220.

1990

Melastomataceae. Pp. 903-917. In: Guide to the Flowering Plants of the Hawaiian Islands by W. Wagner, D. Herbst & S.H. Sohmer. Univ. of Hawaii Press and Bishop Museum Press.

A third species of *Tessmannianthus* (Melastomataceae: Merianieae) from Panama. Brittonia

42(1):7-11.

New species and new combinations in *Blakea* and *Topobea* (Melastomataceae), with an historical perspective on generic limits in the tribe Blakeeae. Proc. Calif. Acad. Sci. 46(14):299-326.

Three new species of *Conostegia* (Melastomataceae: Miconieae) from southern Central America. Proc. Calif. Acad. Sci. 46(15):327-335.

Rainforest Realm--Access Guides to a Dwindling Resource. Pacific Discovery 43(4):45-47.

Plant Profiles---*Monochaetum amabile*. The Public Garden 5(4):39-40.

1991

A revision of *Tibouchina* section *Lepidotae* (Melastomataceae: Tibouchineae). Proc. Calif. Acad. Sci. 47(6): 175-206. (with C. A. Todzia)

A review of the genus *Triolena* (Melastomataceae: Bertolonieae) in Costa Rica. Brittonia 43(3):146-153. (with Gina Umana Dodero)

Blakea costaricensis (Melastomataceae): a remarkable new epiphyte from southern Costa Rica. Selbyana 12:1-4. (with Gina Umaña Dodero)

Chromosome Diversity and Evolution in the Melastomataceae (Abstract). First International Melastomataceae Symposium, Program and Abstracts of Papers, Pg. 10, Smithsonian Institution, Washington, D.C. (with T. I. Chuang)

Contrasting patterns of evolution in some neotropical capsular- fruited Melastomataceae. (Abstract). First International Melastomataceae Symposium, Program and Abstracts of Papers, pg. 11, Smithsonian Institution, Washington, D.C.

1992

A new *Vaccinium* (Ericaceae: Vaccinieae) from Guerrero, Mexico. Brittonia 44(1):50-53. (with D. E. Breedlove)

Chromosome numbers and their systematic significance in some Mexican Melastomataceae. Syst. Bot. 17(4):583-593. (with T. I. Chuang)

1993

Melastomataceae *In* Flora del Bajío y de Regiones Adyacentes, Fascículo 10:1-37. Instituto de Ecología, A.C., Centro Regional del Bajío, Patzcuaro, Michoacan, Mexico

Monochaetum amistadense (Melastomataceae): A new species from the paramo of Costa Rica. Novon 3(1):1-4.

New species of *Miconia* (Melastomataceae) from Costa Rica. Novon 3(1):5-10. (with Gina Umana Doderó)

Stanmarkia, a new genus of Melastomataceae from the volcanic highlands of western Guatemala and adjacent Mexico. Brittonia 45(3):187-203.

An evaluation of the Mesoamerican species of *Meriania* (Melastomataceae: Merianieae). Proc. Calif. Acad. Sci. 48:141-152.

Pilocosta (Melastomataceae) revisited: A new species, polyploidy, and the base chromosome number of the genus. Novon 3(4):311-316.

1994

Arthrostemma primaevum (Melastomataceae): a new species endemic to southeastern Mexico. Brittonia 46(1):75-80.

1995

Miconia amplinodis (Melastomataceae: Miconieae), una nueva especie para Costa Rica. Novon 5:110-113. (with G. Umaña Doderó)

A new *Votomita* (Melastomataceae) from Panama. Novon 5:290-293. (with T. Morley).

A new *Blakea* (Melastomataceae) from Tapantí National Park, Costa Rica. Novon 5:305-308. (with G. Umaña Doderó)

1996

A new *Miconia* (Melastomataceae) from Celaque National Park, Honduras. Novon 6:319-322.

1997

Chromosomal observations on the Alzateaceae (Myrtales). Ann. Missouri Bot. Gard. 84:305-308.

Baobabs: Gnarled upside-down giants. Pacific Discovery 50:38-40.

Systematics of the Andean genus *Centradeniastrum* (Melastomataceae). BioLlania Ed. Esp. 6:153-166.

Chromosome numbers and their evolutionary significance in some neotropical and paleotropical Melastomataceae. BioLlania Ed. Esp. 6:167-190.

1998

Cytological and nomenclatural notes on the Mesoamerican species of *Aciotis* (Melastomataceae). Novon 7:333-337.

1999

Heterocentron evansii (Melastomataceae): A new species from Pico Bonito National Park, Honduras. Novon 9:127-130.

A new *Acisanthera* (Melastomataceae: Melastomeae) from Noel Kempff Mercado National Park, Bolivia. Brittonia 51:159-162.

Merger of the monotypic genus *Farringtonia* with *Siphanthera* (Melastomataceae). Novon 9:131. (with O.R. Robinson)

2000

New Costa Rican and Panamanian species of *Miconia* (Melastomataceae: Miconieae). Proc. Calif. Acad. Sci. 52(4):33-54.

Phyllis M. Faber - A Tribute. Fremontia 27(4):59-60.

A synopsis of the genus *Blakea* (Melastomataceae) in Mexico and Central America. Novon 10: 299-319.

Margaret J. Williams - An Appreciation. Northern Nevada Native Plant Society Newsletter 26(7):10-11.

The hexandrous species of *Topobea* (Melastomataceae). Proc. Calif. Acad. Sci. 52(9): 97-109.

Luis F. Baptista (1941-2000): Eulogy for a Friend. Fellows' Newsletter of the California Academy of Sciences. Fall,

2001

Melastomataceae. In: Flora de Nicaragua. Monogr. Syst. Bot. Missouri Bot. Gard. 85(II):1339-1419. W.D. Stevens, C. Ulloa Ulloa, A. Pool and O.M. Montiel (eds.)

Symplocaceae. In: Flora de Nicaragua. Monogr. Syst. Bot. Missouri Bot. Gard. 85(III):2441-2443. W.D. Stevens, C. Ulloa Ulloa, A. Pool and O.M. Montiel (eds.)

Chaetolepis. In: Flora of the Venezuelan Guayana. 6:294-295. J.A. Steyermark, P.E. Berry, K. Yatskievych, and B.K. Holst, editors. Missouri Botanical Garden, St. Louis.

Monochaetum. In: Flora of the Venezuelan Guayana. 6:469-470. Missouri Bot. Garden, St. Louis.

Siphanthera. In: Flora of the Venezuelan Guayana. 6:499-502. Missouri Bot. Garden, St. Louis. (with O. R. Robinson)

New combinations and new names in some Brazilian Microlicieae (Melastomataceae), with notes on the delimitation of *Lavoisiera*, *Microlicia*, and *Trembleya*. Novon 11:1-7. (with A. B. Martins)

Three new Mesoamerican species of *Topobea* (Melastomataceae). *Brittonia* 53:157-166.

The octandrous and dodecandrous species of *Topobea* (Melastomataceae) in Mexico and Central America. *Proc. Calif. Acad. Sci.* 52(22):511-548.

2002

Three new species of *Symplocos* (Symplocaceae) from Panama and Costa Rica. *Novon* 12: 369-374. (with Lawrence M. Kelly)

2003

Melastomataceae, Princess Flowers. Pp. 375-379. In: *The Natural History of Madagascar*. Edited by S. Goodman and J. Benstead. Univ. of Chicago Press., Chicago, IL.

Chromosome Cytology and Taxonomy of the Red Goblet-Flowered Species of *Clidemia* (Melastomataceae:Miconieae) in Central and South America. *Novon*: 13:161-169.

George E. Lindsay (1916-2002). *California Academy of Sciences Annual Report 2002-2003*:17.

2004

Novelties and nomenclatural adjustments in the Neotropical genus *Clidemia* (Melastomataceae: Miconieae). *Proc. Calif. Acad. Sci.* 55(4):89-124.

Una nueva especie de *Monochaetum* (Melastomataceae) del Parque Internacional La Amistad, Costa Rica. *Novon* 14:245-248. (with Alex Rodriguez and Alfonso Garita)

Phylogeny and circumscription of the near-endemic Brazilian tribe Microlicieae (Melastomataceae). *American Journal of Botany* 91(7): 1105-1114. (with P. Fritsch, S. S. Renner, A. B. Martins, and B. Cruz)

Phylogeny and infrageneric classification of *Symplocos* (Symplocaceae) inferred from DNA sequence data. *American Journal of Botany* 91(11): 1901-1914. (with Y. Wang, P. W. Fritsch, S. Shi, B. C. Cruz, and L. M. Kelly)

2005

Melastomataceae. Pp. 394-397. In: *A Tropical Garden Flora*. edited by G. Staples & D. Herbst. Bernice. P. Bishop Museum Press, Honolulu.

The Chocolate Tree. *California Wild* 58(3): 14-17.

Two New Species of *Symplocos* Jacq. (Symplocaceae) from Minas Gerais, Brazil. *Proc. Calif. Acad. Sci.* 56(23): 295-303. (With J. L. M. Aranha Filho, P. W. Fritsch, and A. B. Martins)

Symplocaceae. In: *Flora of Chiapas, Part 6*. Pp. 33-40. California Academy of Sciences. (with Lawrence M. Kelly)

New Taxa and New Combinations in some Mexican and Central American Melastomataceae. *Novon* 15(4): 503-518.

Two new species of Melastomataceae from southern Mesoamerica. *Proc. Calif. Acad. Sci.* 56(37):675-683. (with R. Kriebel and A. Estrada)

2006

Miconia amilcariana (Melastomataceae: Miconieae), a new species from the Venezuelan Andes with notes on the distribution and origin of dioecy in the Melastomataceae. *Proc. Calif. Acad. Sci.* 57:549-555. (with L. Dorr)

Symplocos pachycarpa (Symplocaceae), a new species from southern Mexico. *Brittonia* 58:318-321. (with L. M. Kelly).

Phylogeny of *Symplocos* based on DNA sequences of the chloroplast *trnC-trnD* intergenic region. *Systematic Botany* 31:181-192. (with P. W. Fritsch, B. C. Cruz, U Wang, and S. Shi)

2007

Anisotes (Acanthaceae) in Madagascar. *Proc. Calif. Acad. Sci.* (with T. F. Daniel. B. A. V. Mbola and P. B. Phillipson).

Marin Flora: An Illustrated Manual of the Flowering Plants, Ferns and Conifers of Marin County, California. California Academy of Sciences and California Native Plant Society (Marin Chapter). (with J. T. Howell, W. Follette and C. Best).

A Revision of *Symplocos* Jacq. Section *Neosymplocos* Brand (Symplocaceae). *Proceedings of the California Academy of Sciences* 58: 407-446. (2007). With J. L.M. Aranha Filho, P. W. Fritsch, and A. B. Martins.

Rediscovery and phylogenetic placement of *Philcoxia minensis* (Plantaginaceae), with a test of carnivory. *Proceedings of the California Academy of Sciences* 58: 447-467. (2007). With P. W. Fritsch, A. B. Martins, B. C. Cruz and D. Estes.

Symplocos saxatilis (Symplocaceae), a new dioecious species from Serra do Cipó, Minas Gerais, Brazil. *Brittonia* 59: 233-237. (with J. L. M. Aranha Filho, P. W. Fritsch, and A. B. Martins).

Melastomataceae. In: *Manual de Plantas de Costa Rica. Volume VI, Pp. 394-574. Dicotiledóneas (Haloragaceae – Phytolaccaceae).* B. E. Hammel, M. H. Grayum, C. Herrera y N. Zamora (editores). Missouri Botanical Garden Press. St. Louis. (with R. Kriebel and G. Umaña)

Almeda, F., P.E. Berry, A. Freire-Fierro, A. Gröger, B.K. Holst, N.G. Luckana, F. A. Michelangeli, T. Morley, D. S. Penneys, S. S. Renner, O. R. Robinson, J. J. Wurdack, K Yatskevych. 2007. Melastomataceae. Pp. 397-417. In: V. Funk, T. Hollowell, P. Berry, C. Kelloff, and S.N. Alexander (eds.) *Checklist of the Plants of the Guiana Shield (Venezuela: Amazonas, Bolivar, Delta Amacruo; Guyana, Surinam, French Guiana).* *Contr. U. S. Natl. Herb.* 55: 1-584.

2008

Renner, S. S., D. Treibel, F. Almeda, D. Stone, C.U. Ulloa, F. A. Michelangeli, R. Goldenberg, and H. M. Cifuentes. 2008 MelList – A site with information on the biodiversity of Melastomataceae. Botanisches Staatssammlung München: www.melastomataceae.net (access available 7 January 2008)

Revised infrafamilial classification of Symplocaceae based on phylogenetic data from DNA sequences and morphology. *Taxon* 57(3): 823-852. (with P. W. Fritsch, L. M. Kelly, Y. Wang, and R. Kriebel)

Phylogeny of *Miconia* (Melastomataceae): Patterns of stamen diversification in a megadiverse neotropical genus. *International Journal of Plant Sciences* 169(7):963-979. (With R. Goldenberg, D. S. Penneys, W. S. Judd, and F. A. Michelangeli).

A new and threatened arborescent *Miconia* (Melastomataceae: Miconieae) from the Osa Peninsula, Costa Rica. *Proc. Calif. Acad. Sci.* 59:489-495 (With R. Kriebel and R. Aguilar).

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Almeda, F., M. Alvear, D. S. Penneys, F. A. Michelangeli. Colombia, a major center of diversity for neotropical Melastomataceae. Botany & Mycology 2009, Snowbird, Utah, July 25-29. 2009.

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Recent Presentations at Professional Meetings:

Almeda, F., D. S. Penneys and M. Reginato. Patterns of Chromosome number diversity and evolution in the Melastomataceae. Botany 2013, New Orleans, Louisiana, 27-31 July, 2013.

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Michelangeli, F., N. Antoine, M. Reginato, R. Kriebel, G. Ocampo, **F. Almeda**, W. Judd and R. Goldenberg. Biogeography of the tribe Miconieae (Melastomataceae) reveals a complex

pattern of dispersal and repetitive colonization of new environments. Botany 2013, New Orleans, Louisiana, 27-31 July, 2013.

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Penneys, D.S., **F. Almeda** and F. Michelangeli and P. W. Fritsch. A survey of remarkable evolutionary trends in the Melastomataceae. Botany 2013, New Orleans, Louisiana, 27-31 July, 2013.

Majure, L, W. Judd, G. Ionta, D. Skean, E. Becquer, J. Burke, D.S. Penneys, G. Ocampo, M. Alvear, R. Goldenberg, **F. Almeda**, F. Michelangeli. Evaluating evolution in the tribe Miconieae (Melastomataceae): homoplasy is the rule not the exception. Botany 2013, New Orleans, Louisiana, 27-31 July, 2013.

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Ocampo, G. and **F. Almeda**. Systematic and phylogenetic significance of seed morphology in the Miconieae (Melastomataceae). Botany 2011, St. Louis, Missouri, July 9-13, 2011.

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Graduate and Undergraduate Student Advisees:

Summer Systematics Institute Undergraduate Interns:

Josh McDill – San Francisco State University (1996)

David West - Humboldt State University (2013)

Zackary Guignardi- University of Florida (2014)

Crawford Cooley Undergraduate Summer Interns in California Botany:

Anne E. Harry – Texas A & M University (1997)

Robin Schramm – Arizona State University (1998)
Gail Lu – Humboldt State University (1999)
Laurel O’Keefe-Crow – Colorado College (2000)
Ivan Parr – St Mary’s College (2007)

Other Summer Graduate Interns:

Jacinto Regalado, Jr. – University of California, Berkeley (1992)
Rosana Romero – Universidade Estadual de Campinas, São Paulo, Brazil (1997)
Heritiana Ranarivelo – University of Antananarivo, Madagascar (2002-2003, 2005)

Wallace Summer Intern:

Tony Morosco – University of California, Berkeley (1996)

Lakeside Foundation Interns:

Heritiana Ranarivelo – Antananarivo, Madagascar (2003-2006)
Rolland Ranaivojaona – Parc Botanique et Zoologique, Madagascar (2005)
Patricia Jaramillo – Galapagos, Ecuador (2007)
Eldis Becquer – National Botanical Garden, Havana, Cuba (2007)
Rokiman Letsara – Antananarivo, Madagascar (2008)
Ahmed Saeed Suleiman – Yemen (Socotra Island Archipelago) – 2009

Biological Illustration Interns:

Beth Guy – University of California, Santa Cruz (2005-2006)
Sarah Adler – University of California, Santa Cruz (2008)

Postdoctoral Fellows:

Angela B. Martins (1999-2000)
Darin S. Penneys (2008-2010)
Gilberto Ocampo-Acosta (2010-2014)
Douglas Stone (20006-2008)

Graduate Students:

Carrie Carden – M.S. at San Francisco State University/CAS (2001-2003)
Dan Grimm - M.S. at San Francisco State University/CAS (2004-2009) – major advisor
João L. Aranha Filho – M.S. at Universidade Estadual de Campinas, Brazil (2004- 2006) –co-
advisor with P. W. Fritsch
João L. Aranha Filho – Ph.D. at Universidade Estadual de Campinas, Brazil (2006 - 2011) – co-
advisor with P.W. Fritsch
Ricardo Kriebel- M.S. at San Francisco State University/CAS (2005 - 2008) – major advisor
John Wilkinson-M.S. at San Francisco State University/CAS (2007 - 2008) – major advisor
Dalia Marcela Alvear-M.S. at San Francisco State University/CAS (2007 - 2010) – major advisor
Heritiana Ranarivelo- M.S. at San Francisco State University/CAS (2007 - 2010) – major advisor
Diana Gamba-Moreno-M.S. at San Francisco State University/CAS (2010 - 2013) – major advisor
Jef Mancera-M.S. at San Francisco State University/CAS (2014- 2017) – major advisor
Ricardo B. Pacifico –Ph.D. candidate at Universidade Estadual de Maringá, Paraná, Brazil (2017)-

Co- Advisor

Service on Graduate Student Committees:

Jacinto Regalado, Jr. – Ph.D. at University of California, Berkeley (1990-1993)

Darin Penneys – Ph.D. at University of Florida, Gainesville (2003 -2007)

Taylor Quedensley – M.S. at University of Nebraska, Omaha (2004 -2006)

Rebecca Peters – M.S. at San Francisco State University/CAS (2005 - 2008)

Emily Magnaghi – M.S. at San Francisco State University/CAS (2006 -2010)

María Eugenia Morales Puente – Ph.D. at Universidad Nacional de Colombia (2006-2010)