

CURRICULUM VITAE
MICHAEL BRADLEY THOMAS

Home: 2005 Wilhelmina Rise, Honolulu, HI 96816, (808) 375-6275

Personal: Date of Birth: August 31, 1965
Citizenship: United States
Marital Status: Single, no dependents

Education: Ph.D., Botany Department, University of Florida, August 2001
An Analysis of the Pataxó Pharmacopoeia of Bahia Brazil, Using an Object Oriented Database Model.
- GPA 3.75/4.0

M.S., Horticultural Sciences Department, University of Florida, 1995
Developing Computer-based Diagnostic Systems for Diseases, Disorders and Pest Damage of Citrus and Tropical Fruit Crops.
- Member of the Honor Society of Phi Kappa Phi

B.S., Forest Management, Forestry Department, Virginia Tech, 1988

Languages: English, Tongan, Portuguese, Spanish

Special Training

Peace Corps Volunteer – Kingdom of Tonga 1989-1993, Agriculture Research and Extension

University of the South Pacific 1990 – Tropical Fruit Crop Production Workshop
Apia, Western Samoa

US. Peace Corps 1990 – Farm Business Management Workshop
Nuku'alofa, Tonga

FAO/UNDP Workshop 1992 – Computer Information System for Disease Management Workshop
Vaini Research Station, Tonga

4th Int'l Mango Symposium 1992 – Mango Production Conference
Miami, Florida USA

University of the South Pacific 1992 – Tropical Fruit Crops Workshop
Suva, Fiji

University of Florida 1996 – Women in Development: Gender Issues Workshop
Gainesville, Florida USA

University of Florida 1997 – Building Bridges with Traditional Knowledge Conference
Gainesville, Florida USA

University of Florida 2000 – Reduced Impact Logging Workshop
Gainesville, Florida USA

University of Hawaii 2001 – Building Bridges with Traditional Knowledge Conference
Honolulu, Hawaii USA

Bishop Museum, Society for Economic Botany 2002 – NSF Sponsored Ethnobiology Workshop
St. Louis, Missouri USA

Region 8 (Southern Region) Hotshot Firefighting Crewmember 1985-87, Blacksburg Ranger District

80 hours training in Basic Forest Service firefighting (32hr S-130), Introduction to Fire Behavior (S-190), Power Saw (24 hr-S-212), Firing Equipment (S-215), Safety and First Aid (8 hr.), Air Transportation and Operation (4 hr.), Water and Pump (S-211) and Physical Fitness Training. 1000+ hrs of volunteer forest wildfire fighting experience on state and federal land.

Other Certificates: Red Cross CPR and First Aid Training certificate. PADI SCUBA diving certificate (1990).

Related Academic Coursework:

Sustainable Agriculture (3 credits)	Horticultural Sciences Seminar (3)	Ethnobotany (6)
Tropical Forestry (3)	Tropical Botany (3)	Ethnoecology (3)
Tropical and Subtropical Fruit Physiology (2)	Plant Systematics (3)	Statistics (3)
Natural Products Research (1)	Tropical Conservation (3)	Agroforestry (3)
Tropical Fruit Production and Management (3)	Nutrition of Horticultural Crops (3)	Plant Geograp.(3)
Food and the Environment (3)		

PROFESSIONAL EXPERIENCE

1/2002-present Botanist, (Post-Doctoral fellow), UNIVERSITY OF HAWAII, Department of Botany, Honolulu, HI 96822. Responsible for the management of research data collected for phytochemical analysis of native and introduced flora of Hawaii, database design and development, website interface design, maintenance of botanical websites, maintenance of computer software and hardware, and National Science Foundation grant writing. Dr. Will C. McClatchey, Assistant Professor, Department of Botany, (808) 956-6700, mcclatch@hawaii.edu

Aug 6-October 30, 2003 Ag. Business Consultant, WINROCK INTERNATIONAL – FOREST Project, Krasnoyarsk, Russia. Provided the Krasnoyarsk association (KANLP) with marketing assistance for sheered pine nut kernels. Provided an analysis of trade partner opportunities for sheered pine nut kernels. Presented samples of the trade offers and applications to conduct email communication on the trade.
Zosya Zavyalko, (3912) 49 59 29

June 15 - July 5; August 7-31,2003 Ag. Business Consultant, WINROCK INTERNATIONAL - Kosovo Business Support (USAID), Pristina, Kosovo. Reviewed the general and scientific literature on plants with economic potential in Kosovo and created a web directory of medicinal plants, which have, potential for commercialization www.kosovoherbs.com. Created a digital photo directory of medicinal herbs and plant and provide names in English and these will be translated into Albanian and Serbian (translation by KBS). Created herb descriptions and photos will be uploaded on to a web site for international access. Advised Kosovar herb companies on most lucrative plants for commercialization. Assisted companies with initial trade contacts and relations with companies.
Peter Dickrell, Agribusiness Development Specialist, +377 44 275 927

9/2001-present Director, CENTRE FOR INTERNATIONAL ETHNOMEDICINAL RESEARCH AND EDUCATION (CIEER), Miami, Florida 33133. Responsible for fundraising, grant writing, development and maintenance of educational web site portal. Conducted ethnobotanical field research in Port Antonio, Jamaica with community of Windward Maroons. Collected more than 70 vouchered specimens and respective traditional knowledge through collaborative interviews with 3 herbalists. www.cieer.org

1/00-9/2001 Peace Corps Campus Recruiter, PEACE CORPS/UNIVERSITY OF FLORIDA, Gainesville, FL 32604. Responsible for campus recruiting activities, interviewing potential applicants, nominations into programs, website development and maintenance. www.ufic.ufl.edu/peacecorps/
Dr. Jane Luzar, Assistant Dean, College of Agriculture, (352) 392-1963, jel@gnv.ifas.ufl.edu

1/00-1/2001 Computer Technician/Webmaster, UNIVERSITY OF FLORIDA, Department of Biological Sciences, Gainesville, FL 32604. Maintained departmental computers. Responsible for designing and developing biology program website and course webpages. Dr. Jon Reiskind, Undergraduate Coordinator, Department of Zoology, (352) 392-1187, jon@zoo.ufl.edu

8/99-4/00 Part-time - Computer Technician/Webmaster, UNIVERSITY OF FLORIDA, Department of Botany, Gainesville, FL 32604. Developed, designed and maintained departmental website, course webpages and managed 30 networked departmental computers. Maintenance of computer software and hardware.

www.botany.ufl.edu

Dr. George Bowes, Chairman, Department of Botany, (352) 392-1996, gbowes@botany.ufl.edu

8/99-12/99 Part-time - Graduate Teaching Assistant, UNIVERSITY OF FLORIDA, Department of Biological Sciences, Gainesville, FL 32604. Biology 2005L (laboratory) lecturer, maintained course webpage, managed 12 laboratory Macintosh computers. Lectured 30 students on the following subjects Evolution, Cells and Cell Physiology, Mitosis/Meiosis, Human Genetics, Mendelian Genetics, Human Anatomy, Reproduction, Sensory Physiology, Ecosystems of Florida, Introduced Species of Florida, Conservation and Biodiversity. www.bsc.ufl.edu

Dr. Kent Vliet, Coordinator of Biological Science Program, (352) 392-1187, kent.vliet@botany.ufl.edu

5/99-7/99 Botanist, CENTRE FOR INTERNATIONAL ETHNOMEDICINAL RESEARCH AND EDUCATION (CIEER), Gainesville, Florida 32603. Conducted ethnobotanical field research in Bahia, Brasil with the Pataxó indigenous group. Collected 125+ medicinal plants and respective traditional knowledge through collaborative interviews with 4 traditional healers. Data procured for the archival of traditional medicinal plant use knowledge for incorporation in the development of the Global Ethnomedicinal Information Retrieval System (GEIRS). www.cieer.org/projects/pataxo/

1/99-5/99 Part-time - Computer Technician, UNIVERSITY OF FLORIDA, Department of Botany, Gainesville, FL 32604. Developed, designed and maintained departmental website, and course web pages and managed 30 networked computers. www.botany.ufl.edu

Dr. George Bowes, Chairman, Department of Botany, (352) 392-1996, gbowes@botany.ufl.edu

9/98-12/98 Database Technician, UNIVERSITY OF FLORIDA, OFFICE OF INFORMATION TECHNOLOGY, Institute of Food and Agricultural Sciences, Gainesville, Florida 32604 Assisted in the maintenance of the Extension Digital Information Source (EDIS) publications database, utilized MS Access database for tracking the processing of IFAS publications from review area to final EDIS publication database. Maintained respective websites. Maintenance of computer software and hardware. edis.ifas.ufl.edu Dr. Howard Beck, Office of Information Technologies.

5/98-9/98 Botanist, CENTRE FOR INTERNATIONAL ETHNOMEDICINAL RESEARCH AND EDUCATION (CIEER), Gainesville, Florida 32603. Conducted ethnobotanical field research in Bahia, Brazil with the Pataxó indigenous group. Assisted in the archival of traditional knowledge of medicinal plant use for the development of the Global Ethnomedicinal Information Retrieval System. www.cieer.org

1/97-5/98 Graduate Research Assistant, UNIVERSITY OF FLORIDA, OFFICE OF INFORMATION TECHNOLOGY, Institute of Food and Agricultural Sciences, Gainesville, Florida Developed prototype of the Global Ethnomedicinal Information Retrieval System. Maintained websites, maintenance of computer software and hardware. Dr. Howard Beck, Head of Research, Office of Information Technologies.

6/96 - 9/96 Horticulturalist, CITY OF GAINESVILLE, Parks Division, Gainesville, Florida 32604 Tree planting including mulching, fertilizing and watering. Utility-line clearance, tree trimming and chipping. Nursery Management. Maintenance of Waldo Road Beautification Project. Mrs. Meg Neiderhoffer, (392) 334-2171.

8/93 - 6/96 Graduate Research Assistant, UNIVERSITY OF FLORIDA, Office of Information Technology, Gainesville, Florida 32604 Developed the Citrus and Tropical Fruit Disorder Diagnostic Expert System for distribution on CD-ROM. Organized Institute of Food and Agricultural Sciences (IFAS) publications pertaining to Tropical Fruits for CD-ROM publication and web delivery. Designed and maintained IFAS websites. Digital processing of photographic images and authoring of HTML, and conversion to PDF files. Graphic design CD cover layout for numerous CD-ROMs including Tropical Fruit, Citrus, Plant Selector, and WoodyBug CD-ROMs. Conducted greenhouse sandculture nutritional study of potted carambola, lychee, and papaya seedlings. Maintenance of computer software and hardware. Dr. Howard Beck, Head of Research, (352) 392-3196, hwb@agen.ufl.edu

5/93 - 8/93 Horticulturalist, UNIVERSITY OF FLORIDA, Gainesville, Florida

Assisted in management of the Horticulture Department Tropical Ornamental Plant Conservatory. Nursery, greenhouse management, inventory and identification of ornamental plant, orchid collections and labeling of all *in-situ* specimens in collection. General greenhouse and landscape maintenance.

12/89 - 4/93 Tropical Fruit Crop Specialist, MINISTRY OF AGRICULTURE AND FORESTRY, Kingdom of Tonga, Nuku'alofa, South Pacific

Project planning, design, execution, and management activities for Diversified Fruit Tree Development Project (US\$50,000 grant). In particular, responsible for all technical assistance and farmer extension activities in the field of tropical/subtropical tree crop development including disease, insect pest and nutritional disorder management. Supervised 5 Tongan counterparts. Managed vegetative propagation nursery of medicinal plants and tropical fruit trees with annual production and distribution of more than 10,000 seedlings. Initiated commercial pilot marketing project of lime and macadamia nut to local domestic market. Supervised a germplasm introduction program, responsible for successfully introducing 25 new fruit crop species including more than 100 cultivars of avocado, carambola, citrus, durian, longan, mango, mangosteen, papaya, and rambutan. Preparation of extension leaflets, technical bulletins and farmer training aids. Represented Ministry of Agriculture on several regional, international workshops and symposiums. Assisted in preparation of agricultural sector plan specifically tropical fruit tree production for national 5 year development plan. Responsible for the preparation of final report and termination of the 10 year US. Peace Corps assistance to the project and transfer to national counterpart staff .

4/88 - 5/89 Forester, ENVIRONMENTAL CONSULTANTS INC., Southampton, Pennsylvania

Conducted roadside/right of way tree clearance surveys for several utility companies. Collected and analyzed field data. Prepared papers, reports. Supervised daily wage earner.

1/88 - 4/88 Forester, WESTVACO CORPORATION, Walterboro, South Carolina

Supervised pine plantation establishment, timber cruising, prescribed burning, seedling survival and hardwood regeneration surveys, boundary marking and maintenance.

COMPUTER SKILLS

Operating Systems: MS-DOS, Macintosh, Microsoft Windows 95/98/2000/XP

Application Programs: Microsoft Office 2000 (Excel, Access, PowerPoint, Word, Outlook Express), WordPerfect 2000, Borland J-Builder, Macromedia Dreamweaver, Adobe PageMaker, Adobe Acrobat, Adobe Photoshop, Adobe PageMill, Eudora, and Netscape, Internet Explorer, McAfee Virus Protection and Norton Utilities.

Hardware: Microsoft and Novell Networking, PC set-up, installation and configuration, MS Windows 95/98/2000/XP operating systems and software installation.

AWARDS: SCHOLARSHIPS AND FELLOWSHIPS

1994 Dade County Agri-Council Fellowship	1996-2001 Graduate Student Council Travel Awards
1994 Sarasota Fruit and Nut Society Scholarship	1997 BBT Conference Poster Competition Award
1995 Harold Kendall Scholarship	1997 Anne S. Chapman Fellowship (Garden Club)
1995 A. S. Herlong Scholarship	1997, 98, 99 Vitech America, Inc. Grant
1995 Dennis Carpenter Memorial Fellowship	2000 USAID Grant, Jamaica
	2002 Woodrow Wilson Foundation Grant

PROFESSIONAL MEMBERSHIPS

Society of American Foresters (SAF), American Society of Horticultural Science (ASHS), InterAmerican Society of Horticultural Science (ISHS), Florida State Horticultural Society (FSHS), Society of Economic Botany (SEB) - WebEditor, Society for Ethnobiology, International Society for Ethnobiology.

PROFESSIONAL SERVICE AND APPOINTMENTS

Editorial Board, [Society for Economic Botany](#), 2002 – present

WebEditor, [Society for Economic Botany](#), 1997 – present

COURSES TAUGHT AT UNIVERSITY OF FLORIDA

BSC 2009L – Laboratory in Biological Sciences

PUBLICATIONS

Thomas, M. B. 1990. Citrus Production in Tonga. Proceedings to the Tropical Fruit Production in the South Pacific Meeting: IRETA/University of the South Pacific, Apia, Western Samoa.

Thomas, M. B. 1991. Tava, Growing in the Place Where Time Begins. Tropical Fruit News. Vol. 25, No. 5.

Thomas, M. B. 1992. Tongan Agricultural Crop Fact Sheets Series: Tropical Fruits. Leaflets Number 11-32. Government Printing, Nuku'alofa, Tonga.

Thomas, M. B. 1993. Country Report: Tropical Fruit Production in Tonga. Proceedings to the Tropical Fruit Production in the South Pacific Meeting: IRETA/University of the South Pacific, Apia, Western Samoa.

Thomas, M. B. 1995. Developing computer-based diagnostic systems for diseases, disorders and pest damage of citrus and tropical fruit crops. Masters Thesis. University of Florida, Gainesville.

Thomas, M. B., J. Ferguson, and J.H. Crane. 1995. Identification of N, K, Mg, Mn, Zn, and Fe deficiency symptoms of carambola, lychee, and papaya grown in sand culture. Proc. Fla. State Hort. Soc. 108:370-373.

Thomas, M. B., J.H. Crane, J.J. Ferguson, H.W. Beck, and J.W. Noling. 1997. Two Computer-based Diagnostic Systems for Diseases, Insect Pests and Physiological Disorders of Citrus and Selected Tropical Fruit Crops. HortTechnology. 7(3):293-298.

Thomas, M. B., H.W. Beck, J.H. Crane, J.J. Ferguson and J.W. Noling. 1996. A diagnostic aid for citrus and tropical fruit crops. Proceedings of the 6th International Meeting of Computers in Agriculture. pp. 535-539.

Crane, J. H., M. B. Thomas, and H.W. Beck. 1998. Tropical Fruits CD-ROM, SW-113. For sale CD-ROM. University of Florida-IFAS, Cooperative Extension Service, Gainesville, Fla. (<http://ifasbooks.ufl.edu/>).

Crane, J. H. and M. B. Thomas. 1997. Fertilizer Recommendations for Florida Mangoes. Citrus and Vegetable. Vol. 61, No 5.

Crane, J. H., Thomas, M. B. and J. Ferguson. 1997. Fertilizer Recommendations for Florida Papaya. Citrus and Vegetable. Vol. 62, No 2. pp. 34-36.

Thomas, M. B. 1997. A Prototype for a WWW-based Global Ethnomedicinal Information Retrieval System. Proceedings of the Building Bridges with Traditional Knowledge: An Exploration of Issues Involving Indigenous Peoples, Conservation, Development and EthnoScience Conference. February 12 - 15, 1997. University of Florida, Gainesville, FL 32603.

Thomas, M. B. 2000. Index for the Journal of Ethnobiology from 1981-2000. Society for Ethnobiology. Tulane University, New Orleans, LA.

Thomas, M. B. 2001. An Analysis of the Pataxó Pharmacopoeia of Bahia, Brazil, Using an Object Oriented Database Model. Dissertation. University of Florida, Gainesville.

Thomas, M. B., Ed. 2001. Society for Economic Botany Membership Directory. Publications Department, The New York Botanical Garden, Bronx, NY.

Thomas, M. B., N. Lin. and H. W. Beck. 2001. A Database Model for Integrating and Facilitating Collaborative Ethnomedicinal Research. Pharmaceutical Biology. 2001, Vol. 39, Supplement, pp. 41–52.

Thomas, M. B. 2003. Ethnomedicinal Research Index for the Journal of Economic Botany from 1959-2002. CIEER. Gainesville, FL.

Thomas, M. B. (2003 - In press). Emerging Synergies Between Information Technology and Ethnobotanical Research. Pages xxx-xxx in B.C. Bennett and A. Paul, eds. Building Bridges with Traditional Knowledge. Columbia University Press, NY.

Thomas, M.B. and S. Austin. In Press (2003). Medicinal Plants of Port Antonia, Jamaica. In Press.

INTERNATIONAL TRAVEL

American Samoa, Brazil, Brussels, Canada, Cook Islands, Czech Republic, Egypt, England, Fiji, Kingdom of Tonga, France, Germany, Holland, Hungary, Italy, Jamaica, Kosovo, Luxembourg, Macedonia, Mexico, New Zealand, Spain, Switzerland, Scotland, Western Samoa, Virgin Islands and Hawaii (Oahu, Hawai`i, and Kauai).