

**Hong Liu**

**Assistant Professor**  
**Department of Environmental Studies**  
**Florida International University**  
**11200 SW 8<sup>th</sup> Street, Miami, FL 33199**

**Research Ecologist**  
**Center for Tropical Plant Conservation**  
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**EDUCATION:**

Dec 2003	Ph.D. in Biological Sciences, Florida International University, Miami, Florida, USA
Dec 1997	M.S. in Botany, Clemson University, South Carolina, USA
July 1989	B.S. in Ecology, Nanjing University, P.R. China

**PROFESSIONAL POSITIONS:**

August 2008 – present	Assistant Professor, Department of Environmental Studies, Florida International University and Research Ecologist, Center for Tropical
April 2005 – May 2008	Plant Conservation, Fairchild Tropical Botanic Garden Postdoctoral Associate. Co-operative agreement between the University of Florida, Ft. Lauderdale Research and Education Center and USDA ARS Invasive Plant Research Laboratory. Supervisors: Drs. Robert Pemberton and Forest Howard
Nov 2003 – Feb 2005	Postdoctoral Associate, Department of Biological Sciences, University of South Florida. Supervisor: Dr. Peter Stiling
Aug 2003 – Dec 2003	Teaching Assistant, Department of Biological Sciences, Florida International University
Sep 2002 – June 2003	Dissertation Year Fellow, Florida International University
Jan 2002 – Aug 2002	Teaching Assistant, Department of Biological Sciences, Florida International University
Jan 1998 – Dec 2001	Research Assistant (Supervisor: Dr. Suzanne Koptur), Department of Biological Sciences, Florida International University
Aug 1997 – Dec 1997	Teaching Assistant, Department of Biological Sciences, Clemson University
May 1996- July 1997	Research Assistant, Department of Biological Sciences, Clemson University
Aug 1995 – May 1996	Teaching Assistant, Department of Biological Sciences, Clemson University
July 1989- Nov 1994	Research Assistant Nanning Chemical Industrial D&R Institute, Center for Biological Technology and Research, Nanning, P.R. China

**GRANTS**

- Guangxi Science and Technology Bureau. The Governor's Award. Oct 2010 – Dec 2012. Conservation Ecology of selected endangered orchids in Yachang Orchid Nature Reserve. \$74,000 (0.5 M RMB). I am the PI of the proposal.
- Mohamed bin Zayed Species Conservation Funds. July 2009-Dec 2010. Habitat analyses of selected endangered orchids in Southwestern China. \$17,000. I am the PI on the grant.
- Mohamed bin Zayed Species Conservation Funds. June 2009-Dec 2011. Conservation of *Carpinus putoensis*, a critically endangered island tree species endemic to the Zhoushan Archipelago of China. \$25,000. I am a co-PI on the grant.
- Fairchild Tropical Botanic Garden. May-August 2009. Population dynamics, breeding system and pollination of *Geodorum eulophioides*, a narrowly endemic and rare orchid in Southwestern China. \$29,417.
- Guangxi Provincial Government. May 2009. Guangxi International Orchid Conservation Symposium. \$100,000. I am one of the principle organizers of the symposium.
- Summer Faculty Development Award, College of Arts and Science, Florida International University. May-August 2009. Comparative study of symbiotic mycorrhizal fungi requirements of an endangered native orchid and it introduced invasive congener in South Florida. \$8,704.00
- Doctoral Dissertation Improvement Grant, National Science Foundation, 2001. \$7,850.
- Research Grant, The Florida Native Plant Society, 1999. \$500

#### **FELLOWSHIPS:**

- Catherine Beattie Fellowship, Garden Club of America, Center for Plant Conservation, 2001. \$4,000
- Research Fellowship, The Key West Garden Club, 2000, 2001. \$1,500
- Student Travel Award, The Association for Tropical Biology INC. 1999. \$500
- Dissertation Year Fellowship, Florida International University, 2002. \$15,000 stipend
- Graduate Studies Research Award, Cuban Research Institute, Florida International University, 2002. \$2,000
- Tropical Biology Research Award, Florida International University, 1998, 1999, 2000, 2001. \$5,400.
- Tropical Biology Travel Award, Florida International University, 1998, 1999. \$1,500

#### **HONORS and AWARDS:**

- Best poster presentation award, Fifth Annual Biology Research Symposium, Florida International University, 2003.
- 2000 Scholarly Forum Paper Competition of Florida International University, Third Place.
- P.E.O. International Peace Scholarship, International Chapter P.E.O. Sisterhood, 1996, 1997.
- Award of Chinese State Scientific & Technological Achievement, the State Science & Technology Committee of China, December 1995

#### **PUBLICATIONS:**

##### **Refereed papers:**

31. Liu, H. and Y. -B. Luo. 2010. Protecting orchids in Nature Reserves: Research and

- Restoration Needs. *Botanical Review*. (This is an editorial note for the special issue on orchid conservation for the Journal).
30. **Liu, H.\***, C. -L. Feng, Y.-B. Luo, B. -S. Chen, Z. -S. Wang, and H. -Y. Gu. 2010. Potential challenges of climate change to orchid conservation in a wild orchid hotspot in southwestern China. *Botanical Review*. (\*corresponding author)
  29. Liu, H.-X., Y. -B. Luo, and **H. Liu\***. 2010. Studies of mycorrhizal fungi of Chinese orchids and their role in orchid conservation in China – a review. *Botanical Review*. (\*corresponding author)
  29. Liu, F. -D., W. -J. Yang, Z. -S. Wang, Z. Xu, **H. Liu**, M. Zhang, Y. -H. Liu, S. -Q. An, S. -C. Sun. 2010 (in press). Plant size effects on the relationships among specific leaf area, leaf nutrient content, and photosynthetic capacity in tropical woody species. *Acta Oecologica*.
  28. Platt, S. G., **H. Liu\***, and C. K. Borg. In press. Fire mortality among Florida Box Turtles (*Terrapene carolina bauri*) on National Key Deer Wildlife Refuge, Florida. *Natural Areas Journal* (\*corresponding author)
  27. Wang Z. -S., S. -Q. An, **H. Liu\***, J. Feng, F. Zhang, Y. Liu, Z.-F. Deng, N. Wei, C. Yan, S. Chen, S.-Y. Liu. 2009. Effects of stand regeneration management regimes and age on genetic structure of *Quercus aquifolioides* (sclerophyllous oak) in southwestern China. *Forest Science* 52(2):142-148 (\*corresponding author)
  26. **Liu, H.** and R. W. Pemberton. 2009. Invasive orchid bee outperforms co-occurring native bees to promote an invasive *Solanum*. *Oecologia* 159:515-525.
  25. **Liu, H.** and R. W. Pemberton. 2008. Differential soil seed bank longevity of an invasive woody vine (*Paederia foetida* L) across three habitats in Florida. *Journal of Torrey Botanical Society*. 135: 391-496
  24. Pemberton, R. W. and **H. Liu\***. 2009. Marketing time determines naturalization rates of horticultural plants in Florida. *Ecology* 90(1): 69-80. (\*corresponding author)
  23. Pemberton, R. W. and **H. Liu\***. 2008. Potential of invasive and native solitary specialist bee pollinators to help restore the rare cowhorn orchid (*Cyrtopodium punctatum*) in Florida. *Biological Conservation* 141: 1758-1764. (\* corresponding author)
  22. Platt, S. G., C. Hall, **H. Liu**, and C. K. Borg. 2009. Wet season food habits and intersexual dietary overlap of Florida Box Turtles (*Terrapene carolina bauri*) on National Key Deer Wildlife Refuge, Florida. *Southeastern Naturalist*. (In press)
  21. Pemberton, R. W. and **H. Liu**. 2008. A naturalized orchid bee pollinates resin reward flowers in southern Florida; novel and known mutualism. *Biotropica* 40 (6): 714-718.
  20. Pemberton, R. W. and **H. Liu**. 2008. The naturalization of the oil collecting bee *Centris nitida* (Hymenoptera, Apidae, Centriini), a potential pollinator of selected native, ornamental, and invasive plants in Florida. *Florida Entomologist* 91:101-109.
  18. Pemberton, R. W. and **H. Liu**. 2008. Naturalization of *Dalechampia scandens* in southern Florida. *Caribbean Journal of Science* 44 (3) 417-419.
  19. Pemberton, R. W. and **H. Liu**. 2007. Rare naturalization of an ornamental *Tillandsia*: *Tillandsia ionantha* in southern Florida. *Silbyana* 28: 150-153.
  17. **Liu, H.**, P. Stiling, and R. W. Pemberton. 2007. Does enemy release matters? Evidence from a comparison of insect damage level among invasive, non-invasive, and native congeners. *Biological Invasions* 9: 773-781.
  16. Pemberton, R. W. and **H. Liu**. 2007. Control and persistence of native *Opuntia* on Nevis and St. Kitts fifty years after the introduction of *Cactoblastis cactorum*. *Biological Control*

- 41: 272-282.
15. Howard, F. W., R. W. Pemberton, G. S. Hodges, B. Steinberg, D. McLean, and **H. Liu**. 2006. The host plant range of lobate lac scale, *Paratachardina lobata*, in Florida, with implications concerning host plant ranges of scale insects in general. *Proceedings of the Florida State Horticulture Society* 119: 398-408.
  14. **Liu, H.**, P. Stiling, R. W. Pemberton, and J. Peña. 2006. Comparison of insect faunal diversity among invasive, non-invasive, and native congeners and implication for the enemy release and biotic resistance hypotheses. *Florida Entomologist* 89: 475-484.
  13. **Liu, H.**, R. W. Pemberton, and P. Stiling. 2006. Reproductive biology and pollination of skunk vine (*Paederia foetida*), an exotic invasive species of Florida. *Journal of Torrey Botanical Society* 133: 304-311.
  12. Wang, Z., S. An, **H. Liu**, J. Feng, X. Leng, and F. Zhang. 2006. Older spruce plantations harbor more genetically diverse moss *Thuidium cymbifolium* than younger stands. *Biological Conservation* 129:551-557.
  11. **Liu, H.** and P. Stiling. 2006. Testing the enemy release hypothesis: a review and meta-analysis. *Biological Invasions* 8: 1535-1545.
  10. **Liu, H.** and E. Menges. 2005. Dry-season fires promote population vital rates of *Chamaecrista keyensis*, a narrowly endemic herb of the Lower Florida Keys. *Ecology* 86: 1483-1495.
  9. **Liu, H.**, E. Menges, J. Snyder, S. Koptur, and M. Ross. 2005. Effect of fire intensity on population vital rates of *Chamaecrista keyensis*. *Natural Areas Journal* 25: 71-76.
  8. **Liu, H.**, E. Menges, and P. F. Quintana-Ascencio. 2005. Population viability analysis of *Chamaecrista keyensis* – Stochastic model simulations on the effect of different fire regimes. *Ecological Applications* 15: 210-221.
  7. Wang, Z. S., S. Q. An, **H. Liu**, X. Leng, J. W. Zheng, and Y. H. Liu. 2005. Genetic structure of the endangered plant *Neolitsea sericea* (Lauraceae) from the Zhoushan Archipelago using RAPD Markers. *Annals of Botany* 95: 305-313.
  6. **Liu, H.**, S. G. Platt, and C. K. Borg. 2004. Seed dispersal by the common box turtle (*Terrapene carolina*) in subtropical pine rockland in the Lower Florida Keys. *Oecologia* 138: 539-546.
  5. **Liu, H.**, J. Trusty, R. Oviedo, and J. Francisco-Ortega. 2004. Molecular phylogenetics of the Caribbean genera *Rhodogeron* and *Sachsia* (Asteraceae). *International Journal of Plant Sciences* 165: 209-217.
  4. **Liu, H.** and S. Koptur. 2003. Breeding system and pollination of a narrowly endemic herb of the Lower Florida Keys: Impacts of the urban wildland interface. *American Journal of Botany* 90: 1180-1187.
  3. **Liu, H.** and T. P. Spira. 2001. The influence of seed age and inbreeding on seed vigor in *Hibiscus moscheutos*. *Journal of Torrey Botanical Society* 128: 16-24.
  2. Snow, A. A., T. P. Spira, and **H. Liu**. 2000. Effects of sequential pollination on the success of “fast” and “slow” pollen donors in *Hibiscus moscheutos* (Malvaceae). *American Journal of Botany* 87: 1656-1659.
  1. Gu, C. E., R. J. Pang, and **H. Liu**. 1992. The application of Qianglujing (TCCA) as germicide to sterilize inoculation environment for edible fungus culture. *Edible Fungi* (in Chinese) 3: 60-65.

**In revision:**

Wang, Z., **H. Liu**, N. Wei, S. An, J. Francisco-Ortega. Contribution of young populations to the restoration of genetic diversity in the post-harvest dragon spruce (*Picea asperata*) stands in Western China. *Annals of Forest Science*

**Liu, H.** and R. W. Pemberton. Pollination of an invasive and rewardless orchid (*Cyrtopodium polyphyllum*) by an invasive oil-collecting bee in natural and residential areas in Florida. *Botany*.

**Submitted:**

Francisco-Ortega, J., F.-G. Wang, Z. -S. Wang, F. -W. Xing, H. Liu, H. Xu, W. -X. Xu, Y. -B. Luo, X. -Q. Song, S. Gale, D. E. Boufford, M. Maunder, and S.-Q. An. Endemic Seed Plant Species from Hainan Island: A Checklist. *Botanical Review*.

Francisco-Ortega, J., Z. -S. Wang, F.-G. Wang, F. -W. Xing, H. Liu, H. Xu, W. -X. Xu, Y. -B. Luo, X. -Q. Song, S. Gale, D. E. Boufford, M. Maunder, and S.-Q. An. Seed Plant Endemism on Hainan Island: A Framework for Conservation Actions.

**In preparation (close to submission):**

An, S., **H. Liu**, et al. Eutropication promotes the spread of *Spartina alterniflora* in coastal China.

Koptur, S., **H. Liu**, J. R. Snyder, M. S. Ross, and C. K. Borg. Impact of an endangered animal species on an imperiled plant community: Key Deer grazing after fire in lower Florida Keys pine rockland.

**Non-peer-reviewed publications:**

**Liu, H.**, A. Tye, P. Jaramillo, W. Simbana, P. Madriz, S.-Q. An, A. -S. Wang, W. -X. Xu, F. -G. Wang, H. Xu, X. - Q. Song, J. Trusty, M. Maunder, C. Lewis, and J. Francisco-Ortega. 2010. Research at Fairchild: Conservation and biodiversity on Pacific Ocean Islands. Winter issue.

Pemberton, W. R., **H. Liu**, and Y. -B. Luo. 2009. The Yachang Orchid Reserve. *Orchids*, November 2009 issue: 270-272.

**Liu, H.**, Y.-B. Luo, R. Pemberton, D. Luo, and S.-Y. Luo. 2009. New Hope for Chinese Wild Orchids. *Oryx* 43(2): 169.

**Liu, H.** 2009. Research and conservation opportunities in the First Orchid Nature Preserve in China. *The Tropical Garden*. Spring issue.

Wang Z.- S., S.-Q. An, **H. Liu**, W.-X. Xu, M. Maunder, and J. Francisco-Ortega. 2009. Plant Conservation and Biodiversity on Hainan Island, China – a new partnership between Nanjing University, Florida International University and Fairchild Tropical Botanic Garden. *The Tropical Garden*. Spring issue.

Howard, F. W., R. W. Pemberton, and H. Liu. 2008. Erythrina Gall wasp, *Quadrastichus erythrinae* (Hymenoptera: Eulophidae) in Florida, and susceptibility of *Erythrina herbacea* (Fabaceae). *Proceedings of the Florida State Horticultural Society* 121: 363-369.

Pemberton, R. W. and **H. Liu**. 2008. Pollination of the rare cowhorn orchid. *The Tropical Garden*. Spring issue.

Muir, A. M. and **H. Liu**. 2003. Conservation Action Plan: *Chamaecrista lineata* var. *keyensis*. An integrated conservation program for the protection of Florida's rare and endangered flora. Final Report to Florida Department of Agriculture and Consumer Services. Contract # 007182.

**Liu H.** 2002. Research unlocks secret of island wildfires. *Plant Conservation* 15 (2): 7.

## INVITED TALKS:

- Liu, H.** Marketing time predicts plant naturalization of horticultural plants. The First Symposium of National Investigation on Invasive Plants in Taiwan. Taipei, Taiwan. June 11, 2009.
- Liu, H.** Orchid Conservation in light of current and projected climate changes in southwestern China: Challenges and opportunities. Guangxi International Orchid Conservation Symposium. Leye, Guangxi, China. May 22-24, 2009.
- Liu, H.** The first orchid preserve in China: conservation opportunities and Challenges. Department of Environmental Studies, Florida International University. Oct 2008.
- Liu, H.** What makes horticultural plants go out of bound? College of Life Sciences, Nanjing University, China. July 2008.
- Liu, H.** Specialized invasive pollination mutualism in Florida. College of Life Sciences, Nanjing University, China. July 2008
- Liu, H.** Does enemy release matter? Evidence from native, introduced non-invasive, and invasive *Eugenia* in Florida. Departmental Seminar, University of Florida, Fort Lauderdale Research and Education Center. February 2007.
- Liu, H., P. Stiling, R.W. Pemberton, and J. Peña.** Comparison of insect faunal diversity and damage level among introduced invasive, non-invasive, and native congeners and implication for the enemy release hypothesis. Biological invasions in the tropics symposium, Annual Meeting of the Association for Tropical Biology and Conservation. July 18-21, 2006. Kuming, China
- Liu, H.** and P. Stiling. A review and meta-analysis of empirical studies for the enemy release hypothesis. Beijing International Symposium on Biological Invasions. June 8-15, 2004, Beijing, China.

## PAPERS PRESENTED AT SCIENTIFIC MEETINGS:

- Liu, H.** and R. W. Pemberton. Pollination of an invasive orchid, *Cyrtopodium polyphyllum* (Orchidaceae), by an invasive oil-collecting bee (*Centris nitida*) in southern Florida. The 94<sup>th</sup> ESA annual meeting, August 2-7, 2009. Albuquerque, New Mexico.
- Francisco-Ortega, J., Z-S. Wang, F-W. Xing, F-G. Wang, **H. Liu et al.** Plant endemism on Hainan Island: Conservation Challenges. The 23rd Annual Meeting & 2009 International Congress for Conservation Biology Conservation: Harmony for Nature and Society. Beijing, China. 11-16 July 2009.
- Liu, H., Y-B Luo, D. Luo.** Advances in wild orchid conservation in Guangxi, China, a global orchid hotspot. The 23rd Annual Meeting & 2009 International Congress for Conservation Biology Conservation: Harmony for Nature and Society. Beijing, China. 11-16 July 2009.
- Liu, H.** and R. W. Pemberton. Invasive orchid bee outperforms native bees to promote an invasive *Solanum*. The 92<sup>nd</sup> Ecological Society of America Annual Meeting. August 2007. San Jose, CA.
- Liu, H.** and E. Menges. Effects of wet- vs. dry-season fires on vital rates of an endemic herb. The 88<sup>th</sup> Ecological Society of America Annual Meeting. August 3-8, 2003. Savannah, GA.
- Liu, H.** and S. Koptur. Breeding system and pollination of a narrowly endemic herb of the Lower Florida Keys: Impacts of the urban wildland interface. Botany 2003: the Annual Meeting of Botanical Society of America. July 26-31, 2003. Mobil, AL

- Liu, H.**, E. S. Menges, S. Koptur, J. R. Snyder, and M. S. Ross. Effects of fires of different seasons and fire intensity on population vital rates of *Chamaecrista keyensis*, an endemic herb of the Lower Florida Keys. Florida Native Plant Society Annual Conference, May 9, 2003. Orlando, FL.
- Sah, J.P., M. S. Ross, J. Snyder, S. Koptur, C. Borg, and **H. Liu**. 2003. Fuel loads in understory of Florida Keys Pine Forests along a chronosequence of time since last fire. Abstract. Joint Conference on the Science and Restoration of the Greater Everglades and Florida Bay Ecosystem (GEER), April 13-18, 2003, Palm Harbor, FL. (This is orally presented by the first author).
- Liu, H.**, J. Trusty, R. Oviedo, A. Anderberg, and J. Francisco-Ortega. Molecular systematics of the Caribbean sunflower genera *Rhodogeron* Griseb. and *Sachsia* Griseb. Bi-Annual Symposium of Coalition for Excellence in Tropical Biology. September 2002..Miami, FL.
- Liu, H.**, S. Platt, and C. Borg. Seed dispersal by the common box turtle (*Terrapene carolina*) in Subtropical Pine Rockland in the Lower Florida Keys. Botanical Society of America Conference 2002, August 2002. Madison, WI.
- Liu, H.** Breeding system and pollination biology of *Chamaecrista keyensis*, endemic herb of the Florida Keys. Forth Annual Biology Research Symposium, Florida International University, February 2002. Miami, FL.
- Liu, H.** Reproductive biology of *Chamaecrista keyensis*, a endemic herb of the Florida Keys: Breeding system, pollination, and implications for conservation. 28<sup>th</sup> Annual Natural Area Association Conference. October 2001. Cape Canaveral, FL.
- Liu, H.**, Platt, S., and C. K. Borg. The study of seed dispersal by the common box turtle in the Lower Florida Keys pine rockland – preliminary results. Third Annual Biology Research Symposium, Florida International University. February 2001. Miami, FL
- Liu, H.** Effects of different seasonal fires on population dynamics of *Chamaecrista keyensis* (Caesalpinoideae) – Preliminary results. A joint meeting of the British Ecological Society and the Ecological Society of America. April 2000. Orlando, Florida.
- Liu, H.** Effects of fire on population dynamics of *Chamaecrista keyensis*, a narrowly endemic herb of the Lower Florida Keys – first year results. XVI International Botanical Society. August 1999. St Louis, MO.
- Liu, H.** Is there a seedbank in Pine rockland? South Florida Biologist Annual Meeting. April 1998 Homestead, FL.
- Liu, H.** and T. P. Spira. Influence of seed age and inbreeding on germination and seedling vigor in *Hibiscus moscheutos*. The South Eastern Population Ecology and Genetics Group Annual Meeting, 1997. Wesley Woods, TN.
- Liu, H.** and T. P. Spira. The consequences of seed age and inbreeding on seedling vigor in *Hibiscus moscheutos*. Association of Southeastern Biologists Annual Meeting, 1997. Greenville, SC.
- Gu, C., **H. Liu**, and Z. Ye. Observation of wild habitat and Cultivation of wild *Ganoderma lucidum*. International Symposium of *Ganoderma lucidum*, January 1991. Beijing, P.R. China.
- Gu, C., **H. Liu**, and Z. Ye. Isolation of wild *Ganoderma lucidum* for Cultivation. Workshop on culture collection and breeding of edible mushrooms. The UNESCO Regional Network for Microbiology in Southeast Asia, 1991. Hong Kong.

## TEACHING EXPERIENCE:

- Biosc 308, Biology of Plant Practicum, Clemson University, Fall 1995 and Fall 1997. This is an introductory course on plant biology. In lab students learn plant anatomy, structure, and major tree taxa on and around campus via hand-on plant dissections and short field trips.
- Biosc 206, Plant Form and Function Lab, Clemson University, Spring 1996. In this lab students learn the link between plant anatomy and function through examination of fresh plant material.
- Biosc 446, Plant Ecology Lab, Clemson University, Spring 1996. In this lab students set up various small scale experiments to examine various aspects of plant ecology, such as intra- and inter-species competitions.
- BSC1010L, General Biology I Lab, Spring 2002, and Summer 2002. In this lab students learn diverse aspects of biological organisms and processes through hands on experiments.
- EVR 4323 Restoration Ecology, Spring 2009, Spring 2010
- EVR 4934 Restoration Ecology Lab, Spring 2009, Spring 2010
- EVR 5935-U02 and EVR 4934-U02 Ecology and Management of Invasive Species, Fall 2009 (co-teach with Jennifer Rehage)

## MENTORING EXPERIENCE:

### A. Undergraduate research projects supervised

(include semester, student, title and status of project)

- I supervised in the Fall 2009 Briana Baham, a senior of the Environmental Studies Major, to study the ecology of an invasive bee in southern Florida.
- I supervised in the Spring and Summer 2009 Tiara Thanawastien, an undergraduate student working on an independent study in my lab, to work on the ecology of an invasive orchid in southern Florida. I supported her to apply for a competitive grant offered by the FLEPPC Julia Morton Invasive Plant Research Grant Program in Feb 2009. Her proposal title is as follow: Is lack of specialized mycorrhizae an impediment to the spread of an invasive orchid (*Cyrtopodium Polyphyllum*) in South Florida?

### B. Graduate research projects supervised

(include semester, student, title and status of project)

- I supported Mr. Brett Jestrew, a Ph.D. Candidate of the FIU-Fairchild Tropical Botanic Garden program to apply for the competitive NSF East Asia and Pacific Summer Institutes for Graduate Students. His proposal, entitled "A Conservation Genetics Study of *Cymbidium cyperifolium* (Orchidaceae) in southwestern China" is awarded for the summer of 2009. He went to China and worked with me and my Chinese collaborator Dr. Yi-Bo Luo at the Institute of Botany, Chinese Academy of Sciences (also his Chinese host) closely. This Award entails a \$5000 stipend, predeparture orientation in Washington D.C., international round trip ticket and abroad living and lab expenses. We anticipate to produce one or two publications from this work.

### C. Graduate thesis committees

*a. Within FIU*

- I chair Jason Downing's Master degree committee beginning in Fall 2009. I supported Mr. Downing's successful application to the Montgomery Young Botanist Fellowship offered by the Montgomery Botanic Garden in Summer 2009, to work with me and Botanists from the Garden to evaluate the invasiveness of plants introduced by the Garden. The work will become a book chapter in which Mr. Downing will be a co-author.
- I am serving on Binod Pandey's Master degree committee. In addition, I have been providing academic advice to Pushpa Soti, a Ph.D. Student in the department. I expect to serve on her committee also in the Fall of 2009.

*b. Outside FIU*

- I am serving on the dissertation committee of Mr. Hua Qing, a doctoral student at the School of Life Science, Nanjing University, China. He, his major advisor Dr. Shuqing An and I have submitted a manuscript together.
- I have been providing regular advice to Ms. Jing Chen, a doctoral candidate at the Institute of Botany, Chinese Academic of Sciences. She, her major advisor and I are working on a manuscript together

**PROFESSIONAL AND COMMUNITY SERVICE:**

- Associate Editor: *Biological Invasions*, September 2009 – now (handled 3 manuscripts in 2009)
- Manuscript reviewer for the following journals:
  - *Ecology Letters*, December 2009;
  - *Ecology*, December 2009; February 2004 (together with Peter Stiling); *Ecology*, January 2003
  - *Castanea*, July 2009
  - *Restoration Ecology*, January 2009
  - *Biological Conservation*, July 2008; November 2006; September 2004
  - *Journal of Torrey Botanical Society*, August 2008; April 2002
  - *Natural Areas Journal*, May 2008
  - *Journal of Integrative Plant Biology*, August 2007
  - *Systematic Botany*, January 2007
  - *Journal of Ecology* 2006 (together with Robert Pemberton).
  - *Canadian Journal of Botany*, September 2006 (together with Robert Pemberton)
- Proposal reviewer for NSF, Ecology section. March 2008; Ecology section. September 2007
- Secretarial committee of Beijing International Symposium on Biological Invasions: species exchanges between Eastern Asia and North America: Threats to Environment and Economy. June 8-11, 2004. My duty includes organizing and reviewing all abstracts of the conference.
- Participation in FIU IN VIEW, a public affairs cable TV show, June 6, 2002.
- Volunteer in The Nature Conservancy annual endemic plant survey in pine rocklands on Big Pine Key. July 1999, 2000.

- Interpreter (English/Chinese) for Chinese Delegation to the Department of Forestry Resources and Management, Clemson University. 1997
- Interpreter (English/Chinese), International Symposium of *Ganoderma lucidum*, Beijing, 1991.

**OUTREACH AN ADDITIONAL SYNERGISTIC ACTIVITIES:**

- While working as a postdoctoral researcher at the University of Florida, I participated in an educational video entitled “Invasive exotic species – A threat to our forest ecosystems”. This video is produced by the Florida Department of Agriculture and Consumer Services in November 2006.
- While in graduate school, I gave a community education talk on conservation of fire dependent ecosystem and endangered species to The Friends and Volunteers of the National Key Deer Refuge on Big Pine Key, Florida in August 2001.
- I lead a Native Plant Tour for the Florida Native Plant Society on the endemic plants on Big Pine Key in May 2000.
- While working for Center for Biological Technology and Research in Nanning, an institute dedicated to edible and medicinal fungi germplasm preservation and development of commercial fungi cultivation techniques, I taught new techniques derived from the institute research to mushroom farmers