

**Xi Chen**  
Curriculum Vita

**CONTACT INFORMATION**

Post Doctoral Research & Teaching Associate  
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**EDUCATION HISTORY**

Ph.D. Texas Tech University (2010, GPA 4.0), transferred from University of Louisiana at Lafayette (2005-2006, GPA 3.8)  
B.S. Yunnan University, Kunming, Yunnan, China (2005) GPA 3.44

**SCHOLARSHIPS AND AWARDS**

2010 TTU/HHMI Graduate Doctoral Scholar  
2008-2009 Graduate Fellowship for Study Abroad Exchange Program-research in Xishaungbanna Tropical Botanical Garden of Chinese Academy of Science  
2005 Undergraduate Honour Thesis: Karyotype of the Local Plant *Eleocharis liouana* Tang et Wang  
2004 Third place in the National English Contest for College Students  
2004 Second place in the CCTV National English Dissertation contest  
2003-2004 Second place Scholarship for Academic Excellence, Yunnan University  
2003 Excellent Cadre, Yunnan University  
2002-2003 Third place Scholarship for Academic Excellence, Yunnan University  
2001 Third place in Yunnan Youth Practical Activity of Environment and Biology: The investigation about changes in the water quality of Bita Lake Zhongdian, Yunnan after opening

**RESEARCH EXPERIENCE**

2010 Fruit morphometric analysis of *Lithocarpus*, Fagaceae  
2009 Nutrient analysis of the fruit samples from Hengduan Mountain in the Human and Primates Nutrition and Ecology Lab of Anthropology Department, Harvard University  
2008 Research Assistant of Sino-Himalaya Research Program of Chinese Academy of Science in Hengduan Mountain, China  
2008 Nutrient analysis training in the Human and Primates Nutrition and Ecology Lab of Anthropology Department, Harvard University  
2007 Fruit phenotypic study of *Lithocarpus*, Fagaceae, Texas Tech University  
2005-2006 Research: Transformation of *Arabidopsis* to obtain resistance to fungi contamination in seed germination period, University of Louisiana at Lafayette  
2004 Ethno-Botanical Research Assistant of Anthropology Department in Yunnan University for the program "The investigation of Hani minority"

2004 Field study in Xishuangbanna, conduct the independent group project: The Fruit and Seed Adaptations in Tropical Forest

### **TEACHING EXPERIENCE**

2011-now Lecturer of plant biology for no-majors  
2010-2011 Graduate Teaching Scholar and Laboratory co-coordinator of botany for non-majors; Teaching Assistant – advanced plant biology laboratory and botany for non-majors laboratory; assistant and guest lecturer – plant taxonomy and plant biology, Texas Tech University  
2009-2010 Senior Teaching Assistant - botany for non-majors laboratory; assistant and guest lecturer – plant biology, Texas Tech University  
2007-2008 Teaching Assistant - advanced genetics laboratory for Biology major and botany laboratory for non-majors, Texas Tech University  
2006-2007 Teaching Assistant - human anatomy laboratory for pre-nursing students, University of Louisiana at Lafayette

### **SPECIALIZED EXPERIENCE**

- Attended workshops: Build online exemplary course, Introductory Strategies and Tools to Develop a Quality Online Course, Blackboard fundamentals training, and Blackboard using guide workshops in Teaching, Learning, and Technology Centre (TLTC) of Texas Tech University
- Experimental skills: Nutrient analysis includes lipid, carbohydrates, protein, fiber and tannin analysis; lab skills includes electrophoresis, DNA extraction, chromatography, bacteria incubation
- Software skills: Microsoft Office, Mac system, Windows system, Photoshop, EFAwin, Hshape, R statistic
- Illustration experience: publication '*Lithocarpus pulongtauensis* (Fagaceae): a new species from Borneo, previously misidentified as *L. rotundatus*'; publication '*Yun Hai Zhai Zi Li De Ti Tian*'
- Greenhouse guide for elementary students at Texas Tech University

### **RESEARCH INTERESTS**

- Evolution and diversification of Fagaceae in Hengduan Mts, Sino-Himalaya region
- Fruit morphometric and nutrient analysis
- Effect of innate fruit traits on the process of predation and population reestablishment

### **TEACHING INTERESTS**

- General Biology
- General Botany
- Environmental Biology
- Ecology
- Plant Physiology
- Plant Evolution
- Nutrient Analysis

- Plant Systematics and Taxonomy

## **PUBLICATIONS**

- Xi Chen, Chuck Cannon and Nancy Conklin-Brittan. Submitted. Evidence for a trade-off strategy in stone oak (*Lithocarpus*) seeds between physical and chemical defense and the role of indigestible fiber as an important antifeedant.
- Chuck Cannon & Xi Chen. Accepted. *Lithocarpus pulongtauensis* (Fagaceae): a new species from Borneo, previously misidentified as *L. rotundatus*
- Zhongwei Ma, Peng lu, Yu Zheng, Xi Chen et al. 2009. *Yun Hai Ti Tian Li De Zhai Zi*, the Ethnic Publishing House, China. Co-author of chapter one – Environment

## **PROFESSIONAL PRESENTATIONS**

1. Xi Chen. 2010. Antifeedants and macronutrients variation in Acorn and ER (enclosed receptacle) fruits' seeds of *Lithocarpus* (Fagaceae). Oral presentation. The Evolution Conference, Portland
2. Xi Chen. 2010. The seed nutrient analysis of four *Lithocarpus* species from Hengduan Mt. China. Oral presentation. Texas Tech Annual Biologists Symposium, Lubbock
3. Xi Chen, 2009. The Phylogeographic Study of *Lithocarpus* (Fagaceae) in Hengduan Mounains, Sino-Himalaya. Oral presentation. American Society of Plant Biologists Southern Section Meeting, Austin
4. Xi Chen, Chuck Cannon and Virginie Raquet. 2007. Evolution of fruit and seed morphology in the Asian stone oaks (*Lithocarpus*, Fagaceae). Poster. Botanical Society of America Meeting, Chicago

## **PROFESSIONAL MEMBERSHIPS**

- 2009 -2010 Secretary and member of Texas Tech University Association of Biologists;  
member of the Society for the Study of Evolution
- 2009-2007 Member of American Society of Plant Biologists and member of Texas  
Tech University Association of Biologists

## **REFERENCE INFORMATION**

Dr. Chuck Cannon

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