

Kathryn Suzanne Hahne

2820 East Beverly Drive Tucson, AZ 85716 Cell: (520) 307-4649 Email: khahne@ag.arizona.edu

Summary of Qualifications

- Plant Science, Horticulture
 - M.S., University of Arizona (2003)
 - M.S., Mississippi State University (1997)
 - B.S., Alabama A&M University (1996)General Education, Biology
 - A.S., John C. Calhoun State Community College (1991)
- Achievements
 - Certified Arborist, International Society of Arboriculture (2004)
 - Certificate in College Teaching, University of Arizona (2003)

Objective

Instructional learning and developmental enhancement of undergraduate studies in applied horticulture, preservation of germplasm with relevance to desert landscapes and ecosystems.

Career and Professional Experience

Program coordinator, Sr. (October 2006 - Present)
Pima County Cooperative Extension Tucson,
AZ

Supervisor: Mr. Steve Husman

Program Coordinator - Oversee all aspects of managing, developing, delivering, evaluating and promoting the Tucson-based SmartScape Program (a landscape water conservation and education program). Specific responsibilities include securing and administering 100% grant funding and meeting all financial requirements of contracts, establishing program goals with input from sponsor (s)/industry/ participants, developing program curriculum/education materials, monitoring/ evaluating/adjusting program activities to meet goals and objectives, developing annual calendar for activities, recruiting participants/ instructors, facilitate 59 professional and 30 residential classes per year, supervise support staff, create and submit project reports, consult/advise public, and work with "green industry" and water "conservation" communities to further education programs in horticulture, landscaping, and water conservation.

Instructor - Teach 4 residential classes 4 times per year: Desert-wise Landscaping, Principles of Xeriscape, Basic Landscape Maintenance, Rainwater Harvesting. Teach 4 professional classes 1-2 times per year: Urban Landscapes, Plant Adaptations, Urban Tree Care, Water Conservation Ordinances.

Arborist Representative (January 2004 – present)
Bartlett Tree Experts Tucson,
AZ

Supervisor: Mr. Peter Andreucci

Sales Representative – Initiate, manage and expand arboriculture service accounts for private and commercial clientele within a specified sales territory. Specific responsibilities include providing on-site consultations/ recommendations, developing and implementing tree management plans and plant health care programs, negotiating contracts and preparing bids, continuously prospecting new business, maintaining client relationships.

Marketing – Selling to prospects utilizing available sales tools and assistance from marketing department, updating prospect and client mailing lists, presentations to community organizations to promote company image and sales, active participation in professional/trade/civic organizations benefiting industry/company/individuals/public, networking within green industry.

Administration – Preparing/processing written work estimates/specifications, scheduling jobs, initiating crew assignments, providing quality control, handle/settle complaints according to company protocol.

Personnel – Supervise crew work performance, site/job inspection, quality control/job follow up, interviewing prospective production personnel, attend sales meetings/training sessions, schedule all work in territory, active

participation weekly safety meetings, acquire/maintain necessary licensing/certification.

Career and Professional Experience, Cont.

Kathryn S. Hahne, pg. 2

Faculty Member/Instructor

(June 2006 - October 2006)

*Fleur De Lis Institute of Landscape Design and Management
Tucson, AZ*

Supervisor: Mr. Milton Corley

Instructor - Provide instruction in horticultural science and related aspects of green industry; assist in developing and evaluating course instruction materials, quizzes, exams and student progress.

Graduate Research /Teaching Assistant
2003)

(May 2001 - August

*University of Arizona, Plant Sciences Department
AZ*

Tucson,

Supervisors: Dr. Ursula Schuch, Dr. Rachel Pfister

Research Assistant - Principal Investigator: Designed, implemented, and executed nitrogen nutrition experiment for arid-region leguminous species. Specific duties included design, installation, and maintenance of semi-hydroponic nutrient delivery system for greenhouse production of tree seedlings, weekly nutrient solution preparation, data collection and analysis, and Master's Report.

Laboratory Teaching Assistant – Developmental Plant Anatomy, Spring Semester (2003)

Assisted with all laboratory instruction twice weekly including laboratory preparation, graded all laboratory assignments and practical exams.

Staff/Teaching Assistant
May 2000)

(August 1999 -

*Virginia Polytechnic Institute and State University, Department of Horticulture
VA*

Blacksburg,

Supervisors: Dr. Diane Relf, Dr. Jerry Gardener

Staff Assistant - Office of Environmental Horticulture, Fall Semester (1999)

Clerical assistance including reception, multi-line telephone, correspondence (on-line, postal); record keeping/document processing/routing (office financial accounting, Virginia Cooperative Extension/VPI publication requests); travel request/follow-up processing; student/consumer assistance.

Graduate Teaching Assistant - Indoor Plants, Spring Semester (2000)

Lectured twice weekly in classroom and laboratory setting following supervisor's syllabus, assistance with test preparation/grading (written/practical exams), greenhouse plant maintenance (deadheading, propagation).

Administrative Staff Assistant
1999)

(February 1998 - July

*Mississippi Agricultural and Forestry Experiment Station, Office of the Director
Starkville, MS*

Supervisors: Mrs. Sylvia Sutphin, Dr. Vance Watson

Administrative assistance including front office reception, time/personnel management including (planning, scheduling, and coordinating meetings/travel and follow-up document processing), cash/inventory management, word/data processing (database, spreadsheet, and archive file maintenance), document initiation/routing, and miscellaneous tasks/projects as requested; participated in MAFES/Mississippi Cooperative Extension seminars/workshops/annual meetings.

Graduate Research/Teaching Assistant

(January 1996 - July 1997)

*Mississippi State University, Department of Plant and Soil Sciences
MS*

Starkville,

Supervisor: Dr. Richard Harkess

Graduate Research – Principal Investigator: Implemented and executed wildflower plug experiment for standardization of potential new bedding plant product. Specific duties included design, production, installation, maintenance, data collection and statistical analysis, and Master’s Thesis and defense.

Graduate Teaching Assistant - Nursery Management, Spring (1996); Certified Teaching Assistant, MSU. Laboratory set up, grading, assisting instructor as needed.

Career and Professional Experience, Cont.

Kathryn S. Hahne, pg. 3

Student Research Assistant
(August 1992 - May 1994)

Alabama Agricultural and Mechanical University, Department of Plant and Soil Science
AL

Normal,

Supervisor: Dr. Stephen Garten, Dr. Cathy Sabota

Undergraduate Research - Principle Investigator: Designed and implemented original research for *in vitro* propagation of a threatened plant species. Specific duties included on-site research (rappel/ascend open-pit caves for population census, habitat studies, tissue sampling), remote sensing data collection/evaluation, laboratory research (media/sample preparation, culture) and statistical analysis. Developed and submitted a partial tissue culture protocol to the U.S. Fish and Game Service and Tennessee Heritage Society.

Instructor - Landscape Short Course, Spring (1995); Alabama A & M University Cooperative Extension Program in association with Chrysler Corporation for Chrysler employees following AA&MUCE syllabus.

Assistant Forestry Technician (Volunteer)

(April 1987 - August 1991)

City of Huntsville, Department of Natural Resources, Urban Forestry Division
AL

Huntsville,

Supervisor: Mr. Chuck Weber

Provided comprehensive technical/administrative support, including field work (tree inspection/ evaluation, maintenance, climbing, removal/disposal, planting/transplanting), tree care training (public works departments, botanical gardens, garden clubs), and clerical assistance (inquiries, scheduling, data entry, and reports); assisted with various municipal/community activities (fund raising, tourism publications development), planning/execution Earth Day and Arbor Day events (committee member, director of children’s activities, and guest speaker at elementary schools).

Education

M.S. Horticulture - Controlled Environment Agriculture (GPA 3.51)

(May 2001 - August 2003)

University of Arizona, Plant Sciences Department
AZ

Tucson,

Degree: Conferred August 2003

Certificate: College Teaching 2003

Award: Graduate Research/Teaching Assistance (May 2001–August 2003)

Graduate Student - Horticultural Therapy (GPA 4.00)

(August 1999 - May 2000)

Virginia Polytechnic Institute and State University
Blacksburg, VA

Award: Graduate Teaching Assistance (January 2000-May 2000)

M.S. Horticulture - Floriculture (GPA 3.85)

(January 1996 - December 1997)

Mississippi State University, Department of Plant Sciences

Starkville, MS

Degree: Conferred December 1997

Award: Graduate Research Assistance (January 1996-July 1997)

B.S. Horticulture - Ornamental (GPA 3.91)

(June 1993-July 1996)

Alabama Agricultural and Mechanical University

Normal, AL

Degree: Conferred July 1996, Magna Cum Laude

Honors: President's Cup (1995, 1996)

Dean's List (1994, 1995)

President's List (1994, 1995)

Nominee, United States Achievement Academy's All-American Scholar (1995)

Award: Post Secondary Scholarship (1993-1996)

Education, Cont.

Kathryn S.

Hahne, pg. 4

Undergraduate Student, Environmental Science (GPA 3.20)

(August 1991-July 1992)

University of Alabama, Huntsville

Huntsville,

AL

Honors: Dean's List (1991, 1992)

President's List (1992)

Activities: Vice-President, Omicron Delta Kappa (1991-1992)

Member, Biology Club (1991, 1992)

Award: Outstanding Junior College Student Scholarship (1991-1992)

A.S. General Education - Biology (GPA 3.91)
1991)

(January 1989-May

John C. Calhoun State Community College

Decatur, AL

Degree: Conferred May 1991, Summa Cum Laude

Honors: Top Ten Outstanding Students (1991)

Who's Who Among Students in American Junior Colleges (1990, 1991)

National Dean's List (1990, 1991)

President's List (1989 - 1991)

Dean's List (1989 - 1991)

Most Outstanding Physical Science Student (1990, 1991)

Distinguished Service Recognition (1991)

Activities: Founder and President, Calhoun Environmental Awareness Club (1990)

Co-Advisory Officer, Phi Theta Kappa (1990)

Student Services Tutor (1990, 1991)

Publications

A. Technical/Scientific

• Master's Report

- Ammonium and Nitrate Fertilizer Ratio and Rate of Application for *Prosopis velutina* Seedlings Grown in Controlled Environment. (2003)

- Refereed Articles
 - Hahne, K.S., U.K. Schuch. 2006. Nitrogen Form and Concentration Affect Nitrogen Leaching and Seedling Growth of *Prosopis velutina*. HortScience 41(1):239-243.
- Compilation Articles
 - Hahne, K.S., U.K. Schuch. 2004. Response of Nitrate and Ammonium on Growth of *Prosopis velutina* and *Simmondsia chinensis* seedlings. Turfgrass, Landscape and Urban IPM Research Summary. AZ 1359 Series P-141 Cooperative Extension Agricultural Experiment Station, University of Arizona, U.S. Dept. of Ag., pp. 43- 48.
 - Hahne, K.S., U.K. Schuch. 2004. Nitrogen Requirements of *Prosopis velutina* During Early Seedling Growth. Turfgrass, Landscape and Urban IPM Research Summary. AZ 1359 Series P-141 Cooperative Extension Agricultural Experiment Station, University of Arizona, U.S. Dept. of Ag., pp. 49-54.
- Abstract
 - Hahne, K.S., R.L. Harkess. 1997. Cell-pack Size and Spacing Requirements for the Transplanted Floral Meadow. HortScience 32(3):485.
- Master's Thesis
 - Landscape Performance of the Transplanted Floral Meadow as Influenced by Plug Size and Transplant Spacing. (1997)
- Abstract
 - Schultz, K.H., S. Garten. 1995. Propagation of a Threatened Plant Species: American Hart's-Tongue Fern. HortScience 30(4):913.

Publications , Cont.
Hahne, pg. 5

Kathryn S.

B. Popular/Trade

- Hahne, Kathryn S. 2009. Arizona Rain Gardens. Backyards & Beyond 3(2):9-10.
- Hahne, Kathryn S. 2008. Rain Chains. Backyards & Beyond 2(3):11-12.
- Hahne, Kathryn. Tucson Water "Water Connection - Conservation Corner" (bill insert)
 - March 2010. Trees, if You Please.
 - March 2009. The Scoop on Soil.
 - September 2009. Plant Succulents Now for Summer Stamina.
 - October 2008. Four Low-Water Landscapes for Tucson.

Professional Development

A. Intramural

- Co-Chair, Desert Horticultural Conference (2009 – current)
- Committee Member, Water Sustainability Program Grants Projects Review (2008).
- Committee Member, peer review for Backyards & Beyond (2008).
- Attendee, Desert Horticultural Conference (2001 – 2008)
- Certificate, Successful Supervisors Series, University Leadership Institute (2007)
- Certificate, Low-4 Program Pima County Cooperative Extension "Smartscape"(2004)

B. Extramural

- Committee Member 'Education Liaison, Landscape Advisory Committee (2009 – current)
 - Subcommittee 'Rainwater Harvesting'
 - Subcommittee 'Urban Tree Management'
- Committee Member & Teacher, Youth Acquiring Resource Development Skills; teach "Soils, Plants, and Water", "Tailgate Safety" (2009 - current)
- Voting Member, 'City of Tucson Water Landscape Maintenance Contract Review Committee' (2010)

- Certificate, City of Tucson Rainwater Harvesting Ordinance seminar (2010)
- Attendee, Urban Heat Island Workshop (2009 - current)
- Attendee, Southwest Horticulture Annual Day of Education Conference (2008 - current)
- Attendee, Ewing Education Services, 'The Economic Significance of Rainwater Harvesting' (2009)
- Attendee, Tucson Audubon Society Urban wildlife Landscape Design Course (January 2009)
- Attendee, Central Arizona Project Leadership Forum (2008)
- Attendee, The Nature Conservancy Rainwater Harvesting Docent Training (2008)
- Neighborhood Representative & Newsletter Columnist "StreetScapes", Arroyo Chico Neighborhood Association (2006 - 2008)
- Attendee, Juan Barba Arboriculture seminar (2008)
- Attendee, ISA Western Regional Conference (2005)
- Attendee, AZ Community Tree Council Workshop "Diagnosis and Plant Disorders – Plant Health Care" (2005)
- Certified Pesticide Applicator, Turf & Ornamentals, Right-of-Way, Weeds, Core (2004 - 2009)
- Attendee, CareerTrack Seminar, "How to Become a More Effective Supervisor" (2004)
- Attendee, International Plant Propagators Annual Meeting (2002)
- Attendee, American Horticultural Therapy Association (1999)
 - S.E. Regional Meeting, Lewis Ginter Botanic Garden
 - National Meeting, New York Botanical Garden
- Member, Huntsville Botanical Gardens (1987 - 1995)
- Member, American Iris Society, National and Local Chapters (1994 - 1995)
- Member, Huntsville Herb Society (1989 - 1992)
 - Coordinator, Mooresville Street Fair (1991); ~\$2K generated through fundraising activities
- Member, Rocket City Gem and Mineral Society (1987 - 1991)
 - Newsletter columnist "Pebble Pups"; National and regional awards (1990)
 - Director, Children's Activities, ages 5 - 12

Professional Development, Cont.
pg. 6

Kathryn S. Hahne,

C. Other (Creative/Scholarly)

- Invited Speaker, "Arizona Rain Gardens", High on the Desert Annual Conference (2010)
- Guest Lecturer, "Xeriscape and Rainwater Harvesting", UofA PLS (2009)
- Guest Lecturer, "Xeriscape", UofA SWES (2008)
- Invited Speaker, "SmartScape Makes Sense", Soil and Water Conservation Society Annual Conference (2008)
- Invited Speaker, "Water Conservation", Pima County Public Library 'Food for Thought' program (2008)
- Invited Speaker, "SmartScape Makes Sense", Arizona Parks and Recreation Association Annual State Conference (2007)
- Invited Speaker, "The International Tree Failure Database: An Introduction and Invitation", Desert Horticulture Conference (2007)
- Television Series Program Content Development/Director, "Tucson Vision: Focus on Water Conservation", Access Tucson (2007)
- Television Series Program Guest, "Government Connection", Access Tucson (2007)
- Guest Speaker, "SmartScape is WaterSmart", Palo Verde Neighborhood Association (2007)
- Guest Lecturer, "Wood Anatomy and the Environment", UofA PLS (2003)
- Guest Lecturer, "Care of Young Trees", Mesquite Trails Homeowners Association (2006)
- Guest Lecturer, "Estimating", Fleur De Lis Institute of Landscape Design and Management (2006)
- Guest Lecturer, "Plants as Accessories for the Home", University of Alabama in Huntsville Continuing Education Series - Basic Floral Design (1993)
- Guest Lecturer, "The three W's of Gardening - Where, When, & What", The Church of Jesus Christ of Latter-Day Saints Home Education Series, Madison, AL (1993)
- Guest Lecturer, "Basic Care of Houseplants", St. Thomas Episcopal Church (1993)