

Candice A. Shoemaker, Ph.D.

Professor

Department of Horticulture, Forestry, and Recreation Resources

2021 Throckmorton Plant Sciences Center

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EDUCATION

Ph.D.	1990 Horticulture, Michigan State University
Cognate in Gerontology	1990 Michigan State University College of Human Medicine
M.S.	1982 Horticulture, Kansas State University
B.S.	1978 Horticulture, Floriculture Option, Michigan State University

PROFESSIONAL POSITIONS

July 2008 – present	Professor – Horticulture, Kansas State University, Manhattan, KS
Sept 2001 – 2008	Associate Professor – Horticulture, Kansas State University, Manhattan, KS
Jan 1997 – Aug 2001	Director , the School of the Chicago Botanic Garden, Chicago Botanic Garden, Glencoe, IL
1991 – 1996	Assistant Professor , Faculty Coordinator and Program Director – Horticulture, Berry College, Rome, GA
June 1989 – Dec 1990	Research Fellow - Horticulture, Virginia Polytechnic Institute and State University, Blacksburg, VA
1985 – 1989	Graduate Research Assistant – Horticulture, Michigan State University, E. Lansing, MI
1983 – 1985	Greenhouse Grower and Landscaper , Seattle, WA and Grand Rapids, MI
1981 – 1982	Graduate Research and Teaching Assistant , Horticulture, Kansas State University, Manhattan, KS

LEADERSHIP AND ADMINISTRATIVE EXPERIENCE

Director, Graduate Studies in Horticultural Therapy, Kansas State University (2005 – present)
K-State has the longest-running undergraduate and graduate programs in horticultural therapy. I led the planning and currently manage our award-winning online graduate certificate in horticultural therapy and campus-based M.S. and Ph.D. programs.

Leader, M.S. Urban Foods Systems Specialization, Kansas State University (2010 – present)
This graduate program is unique in the U.S. in that it places an emphasis on sustainable urban agriculture, project management, and grant writing, in addition to having a solid foundation in urban food production. I led the planning and currently manage this program.

Executive Chair, (2006 – present), **Vice-chair for Education** (2002 – 2006), People Plant Council

This is an international association dedicated to communicating and facilitating human issues in horticulture research through a biennial international symposium, proceeding publications, and a web presence.

Board Member, American Horticultural Therapy Association (2004 – 2007)

Director, School of the Chicago Botanic Garden, Glencoe, IL (1997 – 2001)

Responsibilities included: establishing new diploma programs in horticulture, design, and conservation; identifying funding opportunities to support all programs offered through the School; developing an identity program for the School working closely with Public Relations and Marketing departments; strategic planning; supervisory functions of hiring, training, counseling, and conducting performance appraisals for School staff; extending and improving the Library and Plant Information Service; managing departmental operating budgets; and developing means for audience analysis and development.

Supervised a staff of 12 within four departments: Continuing Education, the Library, Plant Information Service and the Intern Program. Responsible for managing operating budgets of more than \$1 million and a volunteer staff of approximately 130.

Faculty Coordinator and Program Director, Horticulture program, Berry College (1991 – 1996)

Responsibilities as Program Director included curriculum development and ongoing review of the curriculum; student recruitment; fundraising; program marketing; identifying and developing internship sites; and summer and post-graduate job placement assistance. Responsibilities as Faculty Coordinator included the supervision of the design, installation, and maintenance of approximately 3 acres of gardens; management of approximately 7,000 square feet of greenhouse and shade house production space; and supervision of a student-run enterprise. Personnel supervised: lecturer, horticulture technician; volunteers; six to ten student workers.

SCHOLARLY AND PROFESSIONAL AWARDS AND HONORS

- 2012 USDA NIFA 2012 Excellence in College and University Teaching in the Food and Agricultural Sciences National Award Winner, \$5,000
- 2011 American Horticultural Society's Great American Gardeners 2011 Horticultural Therapy Award
- 2011 Invited keynote speaker, Healthy Life: Green Leisure and Horticultural Therapy International Conference, a conference of the Taipei International Flora Exposition, Taipei, Taiwan
- 2011 LEAD21, Leadership for the 21st Century Program
- 2011 University Professional & Continuing Education Association Innovative Program Award for the Horticultural Therapy Graduate Certificate Program
- 2010 Charles A. Lewis Excellence in Research Award for Sin-Ae Park, Candice A. Shoemaker, and Mark D. Haub. 2008. Can older gardeners meet the physical activity recommendation through gardening? *HortTechnology* 18(4) 639-643, \$3,500
- 2007 Tilford Fellow: Infusing Multicultural Competency into the Undergraduate Horticulture Curriculum, \$4,000
- 2006 Center on Aging Faculty Development Award, Shoemaker, Candice, Sin-Ae Park, Mark

- Haub, A comparison of the health status of gardening and non-gardening older adults, \$1,500
- 2006 President's Faculty Development Award, Shoemaker, Candice, to support travel to the International Horticultural Congress, Seoul, Korea, \$1,500
- 2005 Fellow: A Postgraduate course on Research Directions and Strategies sponsored by the Centers for Disease Control and University of South Carolina Prevention Research Center
- 2004 – 2007 Board of Directors, American Horticultural Therapy Association
- 2004 Invited keynote speaker for the American Horticultural Therapy Association Annual Conference, Atlanta, GA
- 2004 Faculty Development Award, Office of Research and Sponsored Programs: Participation in the 8th International People-Plant Symposium in Japan. \$2,000
- 2003 American Horticultural Therapy Association Publication Award for Shoemaker, Candice A., editor. 2002. *Interaction by Design: Bringing People and Plants Together for Health and Well-Being*, Proceedings of the Sixth International People Plant Symposium, Glencoe, IL, 2000. Iowa State University Press, Ames, IA.
- 2002 Big 12 Faculty Fellowship Program: Development of Research Collaboration between Horticultural Therapy at KSU and the Center for Health Systems and Design at Texas A&M University. \$2,014
- 2001 Japan Society for the Promotion of Science Fellowship for Research in Japan provided all funds for my one month stay in Japan to lecture and meet researchers at five different universities regarding horticulture and health.

PROFESSIONAL AND HONORARY MEMBERSHIPS

Professional Association Memberships

American Association of Botanical Gardens and Arboreta (AABGA), 1989 – 2007, 2011 – present

American Community Gardening Association (ACGA) 2011 – present

American Society for Horticultural Science (ASHS) 1982-present

American Horticultural Therapy Association (AHTA) 2001-present

International Society for Horticultural Science (ISHS) 2004-present

National Association of Colleges and Teachers of Agriculture (NACTA) 2006 - present

Honorary Society Memberships

Gamma Sigma Delta, initiated 1982

Pi Alpha Xi, Omega Chapter, initiated 1982

PROFESSIONAL SERVICE & ACTIVITIES (from 1990 onward)

American Society for Horticultural Science

Member, Collegiate Activities Committee, 2008-2012 term

Contributing Editor/Associate Editor, HortTechnology, 2002-2006

Manuscript Reviewer, HortTechnology: 1993 – present; HortScience: 2004 - present

Book Reviewer, HortScience: 2004, 2002, 2001, 2000

Chair, Human Issues in Horticulture Working Group, 2007-2010 term

Chair, Human Issues in Horticulture Working Group, 1993.

Workshop Organizer for the 90th Annual Meeting of ASHS on Economic Impacts on Changing Markets Due to Public Perceptions, 1993

Workshop Organizing Co-chair for the 89th Annual Meeting of ASHS on People-Plant Relationships: Setting Research Priorities, 1992

Workshop Organizing Co-chair for the 88th Annual Meeting of ASHS on *Social Science Research Methods in Human Issues in Horticulture*, 1991

International Society for Horticultural Science

Convener, International Horticultural Congress 2014 Symposium 'Horticulture and Human Communities: People, Plants and Place, Brisbane, Australia

Editor, *Acta Horticulturae* 2006/08, 2010/12, 2013

Associate Editor, *Acta Horticulturae*, 2002, 2004

Manuscript Reviewer, *Acta Horticulturae*: 2007, 2005, 2002

Co-convener, International Horticultural Congress 2006 Symposium 'Horticultural Practices and Therapy for Human Well-being', Seoul, Korea

Member, International Organizing Committee for the International Horticultural Congress 2002 Symposium 'Expanding Roles for Horticulture in Improving Human Health and Life Quality'

People-Plant Council

Council Chair, People Plant Council, 2006 – present

Co-convener, International People Plant Symposium 2012, Venlo, Netherlands

Co-convener, International People Plant Symposium 2010, Nova Scotia

Vice-chair for Education, 2000-2006

Editor, *Interaction by Design*, proceedings of the 6th International People Plant Symposium, 2002

Associate Editor, *People-Plant Relationships: Setting Research Priorities*, proceedings of the 2nd People Plant Symposium, 1994

Associate Editor, *The Role of Horticulture in Human Well-Being and Social Development*, proceedings of the 1st People Plant Symposium, 1992

Chair of Organizing Committee for the Sixth International People-Plant Symposium *Interaction by Design: Bringing People and Plants Together for Health and Well-being*, Glencoe, IL, 2000

Member, Organizing Committee and Moderator for 2nd International People Plant Symposium, East Rutherford, NJ, 1992

Member, Organizing Committee and Moderator for 1st People-Plant Symposium, Alexandria, VA, 1990

American Horticultural Therapy Association

Editorial Review Board, *Journal of Therapeutic Horticulture*: 2003 - present

Elected Board Member, American Horticultural Therapy Association, 2004-2007 term

Chair, Research Working Group, 2004-2007

Member, Research Working Group of the American Horticultural Therapy Association, 2008 - present

American Association of Botanical Gardens and Arboreta

Chair, Human Issues in Horticulture Committee, 1997 – 2004

Committee Work, Kansas State University

Member, Graduate Council, Applied Natural Sciences representative, 2011 – present
Member, Graduate Council Student Affairs Committee, 2011 – present
Member, Advisory Board for USDA Center for Excellence in Food Safety Research in Child Nutrition Programs, located at K-State, 2011 - present
Member, Great Plains Research Consortium on Physical Activity and Healthful Eating, 2004 – present
Member, 5-year Administrative Review Committee for Dean and Director, College of Agriculture and K-State Research and Extension, 2009
Member, Center on Aging Research Committee, 2004 – present
Chair, Search Committee for K-State Olathe Food Crops faculty position, 2012
Member, Department Seminar Committee, 2004 – present
Member, Department Web Committee, 2009 - present
Member, Department Undergraduate Curriculum Committee, 2002 – present
Member, Department Communications Task Force, 2008 – 2009
Coordinated development and implementation of the departments undergraduate horticulture program 5-year student learning assessment plan, 2005 – 2011

SELECTED PROFESSIONAL DEVELOPMENT ACTIVITIES

Lead21 Leadership for the 21st Century, Class VII (2011-2012), Lead21 is a yearlong program with a mission to “develop leaders in land grant institutions and their strategic partners who link research, academics, and extension in order to lead more effectively in an increasingly complex environment”

Sustainable Agriculture and Food Systems, (2010), 5-day in-residence course convened by the Oregon University System and the Oregon Business Council

James R. Coffman Leadership Institute, (2007), 3-day in-residence leadership development experience for K-State faculty

Physical Activity & Public Health Research Directions and Strategies, (2005), 8-day in-residence course for post-doctoral personnel, designed to develop research competencies related to physical activity and public health, sponsored by the Centers for Disease Control and University of South Carolina Prevention Research Center

TEACHING EXPERIENCE

Kansas State University (70%)

HORT 691 Urban Agriculture, 2011 – present (co-instructor)
HORT 692 Food Production Practicum, 2012 – present (co-instructor)
HORT 751 Human Issues in Horticultural Therapy, 2003 – present
HORT 752 Horticulture in Horticultural Therapy, 2011 – present (co-instructor)
HORT 753 Clinical Skills in Horticultural Therapy, 2010 – present
HORT 755 Horticultural Therapy Practicum, 2011 - present
HORT 201 Principles of Horticultural Science, 2002 – 2009
HORT 360 Public Horticulture, 2012

HORT 535 Field Experience in Horticultural Therapy, 2002 - 2005

Undergraduate student advising, 15-20 students, 2002-2012

Chicago Botanic Garden

Responsible for curriculum development for certificate and degree programs; developed and taught 2 different plant material courses

Berry College (100%)

Responsible for development and teaching lectures and laboratories for 14 different courses ranging from introductory plant science courses to senior level plant physiology, ecology, and design courses

Michigan State University

Teaching Assistant responsible for the laboratory component of two different floriculture courses

Kansas State University

Teaching Assistant responsible for the laboratory component of three different horticulture courses

RESEARCH EXPERIENCE

Kansas State University (30%)

Research focus in gardening and the elderly to develop "gardening prescriptions" for sustained or improved physical functioning, psychological well-being, social interaction, and nutrition for older adults. Research focus in gardening and youth to determine the effectiveness of gardening as a tool for health and nutrition education. Research focus in urban agriculture to determine effective strategies to build and sustain local food systems.

Berry College

Major Research Interest: Environmental influences on growth and development of ornamental plants.

Undergraduate Research Projects: Seasonal Browsing Behavior of White-Tailed Deer to Ornamental Herbaceous Perennial Plant Material; Are the "*dentatum*" complex of *Viburnum* species genetically distinct?

Research Fellow, Virginia Polytechnic Institute and State University

Area of work: Research on human issues in horticulture. Research projects: The role of sympathy flowers and plants in the bereavement process; the effects of interior plantscaping on worker attitudes in an office setting. Other responsibilities: involved in the planning of a campus-wide symposium and national symposium on "the role of horticulture in human well-being and social development" and extension presentations in consumer horticulture.

Research Assistant, Michigan State University

Projects: Effects of pH on seed germination of bedding plants

Effects of fungicides on plug seedlings

Iron chlorosis in Gerbera

Iron and manganese toxicity of seedling geraniums
Effect of cycocel on flowering of begonia
Effect of CO₂ on seed germination of begonia

Research Assistant, Kansas State University

Area of work: Participated in a National Institute of Mental Health supported research project in defining horticulture as a therapeutic modality.

GRADUATE STUDENTS

Major Advisor

Angela Anegon, M.S. 8/2012 – present. Evaluating the local food system of Manhattan, KS and identifying market opportunities for retail grocers, schools, and hospitals

Pabodha Galgamuwa Galgamuwe Arachchige, M.S. 1/2012 - present (co-advise). Food deserts, edible landscapes and healthier food choices for Native peoples in Kansas

Danielle Hammond, Ph.D., start 1/2010, switched to M.S. 2012. The role of socialization and intergration in retention and program completion of College of Agriculture M.S. graduate students

Anna Shinjo, M.S. 8/2011 – present. A survey of the current conditions in horticultural therapy: comparison between the United States, Korea, and Japan

Paula Suda, M.S. 8/2011 – present. Identifying determinants of fruit and vegetable consumption using the Social Cognitive Theory in a homeless and near-homeless population in St. Louis, MO

Cynthia Domenghini, Ph.D. 2011. Physical activity and curriculum development of an after-school gardening program for youth health. Currently: adjunct instructor, Kansas State University

Erika Huber, M.S. 2011. Adult volunteer retention in an after-school garden club setting: a case study. Currently: Youth and Family Program coordinator, Coastal Maine Botanical Gardens, Boothbay, ME

Ann Smith, M.S. 2010. Physical health behaviors of gardening and non-gardening parents and their children. Currently: Horticultural Therapist at INTEGRIS Health, Oklahoma City, OK

Linda Lunday, M.S. 2009. Developing an introduction to horticultural therapy course for college students. Currently: retired

Park, Sin-Ae, Ph.D. 2006. Gardening as a physical activity for health in older adults. Currently: Assistant Professor, Konkuk University, Seoul, Korea

Lin, Mu-Chuan, M.S. 2004. Health-related influences of a gardening program on community-dwelling older adults. Currently: Director, Taiwan Mennonite New Dawn Education Center

Poston, Suzanne, M.S. 2004. Evaluation of a garden-based nutrition program for fourth and fifth grade students in out-of-school settings. Currently: stay-at-home mom

Graduate Student Advisory Committee

Carrie Tanner, M.S. Horticulture, 2011 - present
Valerie Thomas, M.S. Landscape Architecture, 2012 - present
Anne Hundley, M.S. Landscape Architecture, 2012 - present
Josef Guitterez, M.S. Landscape Architecture, 2012 – present
Morgan Jenkins, M.S. Horticulture, 2010
Katherine Stolp, M.S. Horticulture, 2006
Jeffrey Haines, M.S. Horticultural Therapy, 2006
Marci Spaw, M.S. Horticulture, 2004
Bracha Orr, M.S. Horticultural Therapy, 2003

GRANTS AND CONTRACTS (from 2000 onward, total awarded \$1,574,183)

KCSAAC Pilot/Feasibility Project Grants 2013, *Evaluating the Local Food System of Manhattan, KS and Identifying Market Opportunities for Producers with Retail Grocers, Schools, and Hospitals*, Angela Anegon and **Candice Shoemaker**, requested \$5,000, funded \$5,000 [2013]

USDA NIFA Tribal College Research Grant Program 2011, *Food deserts, edible landscapes and healthier choices for Native peoples in Kansas*, Charles Barden and **Candice Shoemaker**, funded \$59,699 [2012-2013]

USDA Higher Education Challenge Grant, *Helping future agricultural professionals learn to solve complicated multi-disciplinary problems involved in sustainable crop and agriculture production and ensuring the safety of America's food supply*, Danielson, J.A. - Iowa State University; Bender, H.S. - Iowa State University; DiTerlizzi, R. - University of Pennsylvania; **Shoemaker, C. - Kansas State University**; Ogilvie, C. - Iowa State University; Dewell, R. - Iowa State University; Dewell, G. - Iowa State University; Boysen, P. - Iowa State University; Schmidt, A. - Iowa State University; VanDerZanden, A.M. - Iowa State University; Ostojic, J. - Iowa State University; Young, K. - University of Wisconsin, Madison; Czuprynski, C. - University of Wisconsin, Madison; Jarvinen, J. - Iowa State University; Osweiler, G. - Iowa State University; Engiles, J. - University of Pennsylvania; Nolan, T. - University of Pennsylvania; Farrell, J. - University of Pennsylvania; Galligan, D. - University of Pennsylvania; Sanchez, M. - University of Pennsylvania, requested \$499,950.97, funded \$466,028, my portion \$12,060 [2010-2013]

Teaching Excellence Award, Kansas State University Provost's Office, *M.S. Urban Food Systems specialization*, requested and funded \$25,000 [2010-2011]

Division of Continuing Education Program Development Grant, **Candice Shoemaker**, Course Development for a new Master of Horticultural Therapy Distance Learning Program, requested \$46,036, funded \$20,639 [2008-2009]

Division of Continuing Education Program Development Grant Program, **Candice Shoemaker**, Course Development for a New Graduate Certificate of Horticultural Therapy Distance Learning Program, requested \$21,717, funded \$16,352 [2009-2010]

KDA Specialty Crop Block Grant, Carey, Ted and **Candice Shoemaker**, Ethnic specialty crops for Kansas: Crops and cultivars for diverse markets, requested and funded \$20,000 [2008-2010]

USDA NRI 31.5, **Shoemaker, Candice** and Mark Haub, Determining the exercise intensities of gardening tasks, requested and funded \$17,462 [2008-2009]

NSF ADVANCE, **Shoemaker, Candice**, to support professional development, requested and funded \$1,500 [2007-2008]

USDA NRI 31.5, **Shoemaker, Candice**, David Dzewaltowski, George Milliken, Ted Carey, Integrating Schools, Community, and Family to Affect Sedentary Behavior, Fruit and Vegetable Consumption, and Physical Activity, requested and funded \$1,038,526 [2007-2011]

NSF ADVANCE Career Advancement of Tenured Women in Engineering and Science Career Advancement Program, **Shoemaker, Candice**, requested and funded \$19,525 [2007]

K-State ADVANCE Institutional Transformation Project Internal Advisory Board Departmental Initiative, J. Anita Dille, Mary Beth Kirkham, **Candice Shoemaker**, Kim Williams, Cathie Lavis, and Rhonda Janke, requested and funded \$10,000 [2006-2007]

K-State Tilford Incentive Grant, **Shoemaker, Candice**, Greg Davis, Cathie Lavis, Kim Williams, Infusing Multicultural Competency into the Undergraduate Horticulture Curriculum: Diversity Issues Lecture Series, requested and funded \$2,000 [2006-2007]

K-State Tilford Incentive Grant, Lavis, Cathie, Kim Williams, Greg Davis, **Candice Shoemaker**, Infusing Multicultural Competency into the Undergraduate Horticulture Curriculum: Redesigning and Assessing Multicultural Competencies in an Internship Course Sequence, requested and funded \$2,000 [2006-2007]

Center on Aging Faculty Development Award, **Shoemaker, Candice**, Sin-Ae Park, Mark Haub, A comparison of the health status of gardening and non-gardening older adults, requested \$2,500, funded \$1,500 [2006]

NSF ADVANCE, **Shoemaker, Candice**, to support travel to the International Horticultural Congress, Seoul, Korea, requested and funded \$3,000 [2006]

President's Faculty Development Award, **Shoemaker, Candice**, to support travel to the International Horticultural Congress, Seoul, Korea, requested \$3,046, funded \$1,500 [2006]

NSF ADVANCE funds: requested \$1,500, received \$2,000 [2005]

USDA Family Nutrition Program: Gerhard, G., and **C.A. Shoemaker**. Development of a Documentation and Evaluation System for School-aged Youth Involved in FNP Programming and Health and Nutrition from the Garden Utilizing the Junior Master Gardener Program (my component is with health and nutrition from the garden). Funded \$107,413 [2003 – 2004]

USDA Family Nutrition Program: **Shoemaker, C.A.**, N. Gyurcsik, M. M. Higgins, and J. Gordon. Fruit and Vegetable Gardening with Older Adults for Health and Nutrition. Funded \$30,035 [2003-2004]

USDA Family Nutrition Program: Gerhard, G., S. Fisher, and **C.A. Shoemaker**. Development of a Documentation and Evaluation System for School-aged Youth Involved in FNP Programming and Health and Nutrition from the Garden Utilizing the Junior Master Gardener Program (my component is with health and nutrition from the garden). Funded \$120,722 [2002-2003]

USDA Family Nutrition Program: **Shoemaker, C.A.** and N. Gyurcsik. Fruit and Vegetable Gardening with Older Adults for Health and Nutrition. Funded \$24,450 [2002-2003]

Illinois State Library: Library Services and Technology

Project: To develop a compact disc that will feature comprehensive information on ornamental plants and gardening techniques for gardeners in the Midwest, to be distributed to every public library in Illinois. Funded \$33,800 [2000]

REFEREED AND REVIEWED PUBLICATIONS (graduate student authors advised by Shoemaker underlined; Total 22)

Sin-Ae Park, Kwan-Suk Lee, Ki-Cheol Son and Candice Shoemaker. 2012. Metabolic Cost of Horticulture Activities in Older Adults. *J Japan Soc Hort Sci* 81(3): 295-299

Candice A. Shoemaker. 2012. Using a Social-Ecological Model in Development of Treatment Programs that Target Behavior Change. *Acta Horticulturae* 954: 77-82

Candice A. Shoemaker and Elizabeth R. M. Diehl. 2012. The Practice and Profession of Horticultural Therapy in the United States. *Acta Horticulturae* 954: 161-164

Candice A. Shoemaker. 2010. Student Confidence as a Measure of Learning in an Undergraduate Principles of Horticultural Science Course. *HortTechnology* 20(4):683-688. KAES #10-281-J

Sin-Ae Park, Candice A. Shoemaker, and Mark D. Haub. 2009. Physical and Psychological Health Conditions of Older Adults Classified as Gardeners or Nongardeners. *HortScience* 44(1):1-5 KAES #08-326-J

Sin-Ae Park and Candice A. Shoemaker. 2009. Observing body position of older adults while gardening for health benefits and risks. *Activities, Adaptations, and Aging* 33, 31-38 KAES #08-327-J

Sin-Ae Park, Candice A. Shoemaker, and Mark D. Haub. 2008. A preliminary investigation on exercise intensities of gardening tasks in older adults. *Perceptual and Motor Skills* 107, December 1, 974-980 KAES #07-273-J

Sin-Ae Park, Candice A. Shoemaker, and Mark D. Haub. 2008. Can older gardeners meet the physical activity recommendation through gardening? *HortTechnology* 18(4) 639-643

Candice A. Shoemaker and Mu-Chuan Lin. 2008. A model for healthy aging through horticulture. *Acta Horticulturae* 775, 93-98 KAES #09-081-J

Sin-Ae Park, Candice A. Shoemaker, and Mark D. Haub. 2008. How to measure exercise intensity of gardening tasks as a physical activity for older adults using metabolic equivalents. *Acta Horticulturae* 775, 37-40 KAES #09-092-J

O'Brien, Suzanne A., and Candice A. Shoemaker. 2006. An after-school gardening club to promote fruit and vegetable consumption among fourth grade students: The assessment of social cognitive theory constructs. *HortTechnology* 16(1): 24-29 KAES #05-80-J

Poston, Suzanne A., Candice A. Shoemaker, and David Dzewalkowski. 2005. A comparison of a gardening and nutrition program with a standard nutrition program in an out-of-school setting. *HortTechnology* 15(3):463-467 KAES #04-443-J

Shoemaker, Candice A. 2004. Horticultural therapy: Comparisons with other allied therapies and current status of the profession. *Acta Horticulturae* 639:173-178. KAES #03-63-J

Relf, D., C.A. Shoemaker, and E. Matsuo. 2004. The evolution of the People-Plant Council: an assessment of the first twelve years. *Acta Horticulturae* 639:89-96.

Shoemaker, Candice A. 2003. An analysis of registered horticultural therapists. *Journal of Therapeutic Horticulture* 14:50-55. KAES #03-136-J

Shoemaker, Candice A. 2002. The profession of horticultural therapy compared with other allied therapies. *Journal of Therapeutic Horticulture* 13:74-81. KAES #03-109-J

Shoemaker, Candice A., Paula Diane Relf, and Virginia I. Lohr. 2000. Social Science Methodologies for Studying Individuals' Responses in Human Issues in Horticulture Research. *HortTechnology* 10(1): 87-93.

Shoemaker, C.A. 1994. Plants and human culture. *J. of Home and Consumer Horticulture*, 1(2/3):3-7.

Shoemaker, C.A. and P.D. Relf. 1994. Attitudes of Consumers & Recently Bereaved Toward Sympathy Flowers. *HortScience* 29(8):914-915.

Shoemaker, C.A. and W.H. Carlson. 1992. Temperature and light affect seed germination of

Begonia semperflorens-cultorum. *HortScience* 27(2):181.

Shoemaker, C.A., K. Randall, P.D. Relf, E.S. Geller. 1992. Relationships between plants, behavior, and attitudes in an office environment. *HortTechnology* 2(2):205-206.

Shoemaker, C.A. and W.H. Carlson. 1990. pH effects on seed germination of eight bedding plant species. *HortScience* 25(7):762-764.

PROCEEDINGS

Goodyear, S. Norman and Candice A. Shoemaker, Editors. 2012. *Acta Horticulturae* 954

Shoemaker, Candice A., editor. 2008. *Acta Horticulturae* 775

BOOKS

Shoemaker, Candice A., editor. 2002. *Interaction by Design: Bringing People and Plants Together for Health and Well-Being*, Proceedings of the Sixth International People Plant Symposium, Glencoe, IL, 2000. Iowa State University Press, Ames, IA.

Shoemaker, Candice A., editor and contributor. 2001. *Encyclopedia of Gardens: History and Design*, 3 vol. Fitzroy Dearborn Publishers, Chicago, IL.

CHAPTERS

Shoemaker, Candice A. 2002. Research methodologies for studying human responses to horticulture, pp. 227-236 in Shoemaker, Candice A. (ed.), *Interaction by Design: Bringing People and Plants Together for Health and Well-Being*, Iowa State Press, Ames, IA

Shoemaker, C.A. 1994. Plants and Human Culture in Joel Flagler & Raymond Poincelot (Eds.) *People-Plant Relationships: Setting Research Priorities*, pp.3-7. Haworth Press, Inc. (refereed)

Shoemaker, C.A., P.D. Relf and C.D. Bryant. 1992. The role of flowers in the bereavement process in P.D. Relf (Ed.) *The Role of Horticulture in Human Well-being and Social Development*, pp.43-46. Timber Press, Inc. (refereed)

Randall, K., C.A. Shoemaker, P.D. Relf, and E.S. Geller. 1992. Effects of plantscape in an office environment on worker satisfaction in P.D. Relf (Ed.) *The Role of Horticulture in Human Well-being and Social Development*, pp. 106-109. Timber Press, Inc. (refereed)

NON-REFEREED PUBLICATIONS

Shoemaker, Candice A. and Mary Meck Higgins. Gardening, p8, in *Vim and Vigor for Older Kansans* 2004

Shoemaker, Candice A. 2002. Research methodologies for studying human responses to plants. *Journal of the Japanese Society of People-Plant Relationships* 2(1):22-28

Shoemaker, Candice and Diane Relf. 2001. How to Collect, Interpret and Use People-Plant Interaction Information. *GrowthPoint* 87 (Autumn).

Shoemaker, C.A., 1994. Animal Science and Horticulture at Berry College. *Purple Circle* XIV(9):14-15.

Shoemaker, C. and D. Relf. 1991. Flowers for funerals - they are important. *American Floral Endowment Research Report* II(2).

Biernbaum, J., W.H. Carlson, C.A. Shoemaker and R. Heins. 1988. Low pH causes iron and manganese toxicity. *Greenhouse Grower* 6(3):92-97.

Shoemaker, C.A. and W.H. Carlson. 1987. Fungicide toxicity on plug seedlings varies with rate and variety. *Bedding Plant International News* 28(12):6-7.

Shoemaker, C.A. and W.H. Carlson. 1985. Don't let iron chlorosis spoil Gerbera. *Greenhouse Grower* 3(12):14-15.

ABSTRACTS & PRESENTATIONS (from 1990 onward) (* signifies presenter, graduate student advised by Shoemaker underlined, total 73)

- 2013 Karly S. Geller*, Richard R. Rosenkranz, Candice A Shoemaker, Tanis J. Hastmann, David A Dzewaltowski. Measuring school-aged children's perceived self-efficacy and proxy efficacy for energy-balance-related behaviors in the gardening context, American College of Sports Medicine 60th Annual Meeting, Indianapolis, IN
- 2013 Galgamuwa* G.A., Pabodha, Charles Barden, Candice Shoemaker and Spencer Wood. Assessing the use of fresh fruits, vegetables, and other native foods on Indian reservations in Kansas, Kansas Natural Resources Conference, Wichita, KS
- 2012 Shoemaker*, Candice. 2012. School Gardens for Overweight and Obesity Prevention. *Agriculture in an Urbanizing Society Programme Book*, pg. 12
- 2012 Shoemaker*, Candice. 2012. Horticulture for Healthy Living, Where does Horticultural Therapy Fit? *Agriculture in an Urbanizing Society Programme Book*, pg. 11
- 2011 Domenghini*, Cynthia, Candice Shoemaker, Melissa Bopp, Tanis Hastmann, and David Dzewaltowski. 2011. The Use of Social Ecological Theory to Develop and Implement an After-school Garden Club Curriculum for Overweight and Obesity Prevention *HortScience* 46(9):S244 (Abstr) (3rd place winner in the Graduate Student Poster competition)
- 2011 Domenghini*, Cynthia, Candice Shoemaker, David Dzewaltowski. 2011. After-school Garden Club to Provide Physical Activity for Children. *HortScience* 46(9):S244 (Abstr)
- 2011 Shoemaker*, Candice. 2011. The Use of High Tunnels in an After-school Garden Program. *HortScience* 46(9):S90 (Abstr)
- 2011 Shoemaker*, Candice A. Horticulture for Healthy Living, Where does Horticultural Therapy Fit? invited speaker, Healthy Life: Green Leisure and Horticulture Therapy International Conference, Taipei, Taiwan

- 2011 Shoemaker*, Candice A. School Gardens for Overweight and Obesity Prevention, oral presentation at the Oxford Round Table on Children's Health and Rights, Oxford, England
- 2011 Shoemaker*, Candice A., David A. Dzewaltowshi, Ted Carey, George Milliken. Integrating Schools, Community, and Family to Effect Sedentary Behavior, Fruit and Vegetable Consumption, and Physical Activity, oral presentation at the NRI Human Nutrition and Obesity Workshop, an annual meeting of Project Directors.
- 2010 Domenghini*, Cynthia and Candice Shoemaker. 2010. Using the RE-AIM framework for process evaluation of research and extension projects. *HortScience* 45(8):S267.
- 2010 Hastmann* TJ, Rosenkranz RR, Shoemaker CA, Dzewaltowski DA. Child reported out-of-school activities associated with their self-reported physical activity. American Public Health Association Annual Meeting. November 2010. Denver, CO.
- 2010 Hastmann* TJ, Rosenkranz RR, Shoemaker CA, Dzewaltowski DA. Home Social and Physical Environment Characteristics Associated with Children's Self-Reported Fruit, Juice and Vegetable Intake. International Society for Behavioral Nutrition and Physical Activity. June 2010. Minneapolis, MN.
- 2009 Shoemaker*, Candice, Using Student Learning Outcomes in Course Design and Implementation. NACTA Journal – Abstracts 2009, pg 29
- 2009 Shoemaker*, Candice, Student Learning Assessment: Useful or Odious? NACTA Journal – Abstracts 2009, pg 2
- 2009 Williams*, Kimberly, Catherine Lavis, Greg Davis, and Candice Shoemaker, Assessing Student Perceptions about their Multi-Cultural Competencies at the Beginning and End of a Degree Program. NACTA Journal – Abstracts 2009, pg 25
- 2009 Shoemaker*, Candice A., Cynthia Domenghini, David A. Dzewaltowski, Ted Carey, and George Milliken. Integrating Schools, Community, and Family to Effect Sedentary Behavior, Fruit and Vegetable Consumption, and Physical Activity, poster presentation at the NRI Human Nutrition and Obesity Workshop, an annual meeting of Project Directors
- 2009 Shoemaker*, Candice. 2009. Assessing Student Confidence as a Measure of Learning. Really? *HortScience* 44(4): 989
- 2009 Domenghini*, Cynthia and Candice Shoemaker. 2009. Fall After-school Garden Curriculum for Overweight and Obesity Prevention. *HortScience* 44(4):1100
- 2009 Ann Marie Smith* and Candice Shoemaker. 2009. Affecting Family Support for Home Gardening through an After-school Garden Club Intervention. *HortScience* 44(4):1100
- 2008 Candice Shoemaker* and Catherine Lavis. 2008. Student Learning Assessment: Useful or Odious? *HortScience*, 43(4):1167
- 2008 Candice Shoemaker*. 2008. Developing a Teaching Module on Human Issues In Horticulture, *HortScience*, 43(4):1069
- 2008 Sin-Ae Park*, Candice Shoemaker, and Mark Haub. 2008. Gardening as a Physical Activity for Health in Older Adults. *HortScience*, 43(4):1152
- 2008 Sin-Ae Park*, Candice Shoemaker, and Mark Haub. 2008. Observing Gardening Posture and Motion of Older Gardeners for Health Benefits and Risks. *HortScience*, 43(4):1171
- 2008 Lani Meyer*, Candice Shoemaker, and Rhonda Janke. 2008 Planning a Student Farm: From the Ground Up. *HortScience*, 43(4):1215
- 2008 Shoemaker*, Candice A., David A. Dzewaltowshi, Ted Carey, and George Milliken. Integrating Schools, Community, and Family to Effect Sedentary Behavior, Fruit and

- Vegetable Consumption, and Physical Activity, poster presentation at the NRI Human Nutrition and Obesity Workshop, an annual meeting of Project Directors
- 2007 Park*, Sin-Ae, Candice A. Shoemaker, Mark Haub. Does gardening provide moderate intensity physical activity for older adults? The Gerontological Society of America's 60th Annual Scientific Meeting, November 16-20, San Francisco. Accepted
- 2007 Candice Shoemaker*. 2007. Using student learning outcomes in course design and implementation. *HortScience*, 42(4):893
- 2007 Sin-Ae Park*, Candice Shoemaker, Mark Haub. 2007. Gardening as a moderate intensity physical activity for older adults. *HortScience*, 42(4): 946
- 2007 Shoemaker*, Candice A., David A. Dzewaltowshi, Ted Carey, and George Milliken. Integrating Schools, Community, and Family to Effect Sedentary Behavior, Fruit and Vegetable Consumption, and Physical Activity, poster presentation at the NRI Human Nutrition and Obesity Workshop, an annual meeting of Project Directors
- 2006 Park*, Sin-Ae, Mark Haub and Candice A. Shoemaker. 2006. Exercise Intensities of Gardening Tasks in Older Adults, American College of Sports Medicine 53rd Annual Meeting, 38(5):S42
- 2006 Park*, Sin-Ae, Mark Haub and Candice A. Shoemaker. 2006. Exercise Intensities of Nine Gardening Tasks in Older Adults, 27th International Horticultural Congress and Exhibition Abstracts, pg 388
- 2006 Candice A. Shoemaker*. 2006. A Model for Healthy Aging with Horticulture, 27th International Horticultural Congress and Exhibition Symposium 12 Horticultural Practices and Therapy for Human Well-Being, pg 390
- 2006 Invited speaker, University of Wisconsin Extension Horticultural Therapy Workshop, presentation titles "Horticultural Therapy: A Specific Application of Horticulture", and "The Therapeutic Role of Horticulture", January 30
- 2006 Conducting Research in Horticultural Therapy, American Horticultural Therapy Association Annual Conference
- 2005 American Society for Horticultural Science 102nd Annual Meeting, Las Vegas, NV. Workshop presenter: Horticultural Therapy: A specific application of Human Issues in Horticulture
Workshop presenter: Gardening and Older Adults
- O'Brien*, Suzanne A., and Candice A. Shoemaker. 2005. The effects of an after-school garden club for fourth graders regarding fruit and vegetable nutrition. *HortScience* 40(4):1136
- 2005 Kansas State University Master Gardener Advanced Training, 4-hour workshop on Gardening with Older Adults for Health and Nutrition
- 2005 Kansas State University Center on Aging Seminar Series: The Horticulture for Health Continuum and its use in Long-term Care
- 2004 American Horticultural Therapy Association Annual Meeting, Atlanta, GA
Keynote presenter: The Horticulture for Health Continuum: Where does horticultural therapy fit?
- 2004 American Society for Horticultural Science 101st Annual Meeting, Austin, TX.
Workshop presenter: Research Methods in Human Issues in Horticulture as part of the workshop Developing Research Initiatives in Human Issues in Horticulture.
Poston*, Suzanne A. and Candice A. Shoemaker. 2004. Preliminary study of the

- impact of an after school gardening and nutrition program on children's nutrition knowledge, fruit and vegetable preference, and self-efficacy of gardening and eating fruits and vegetables. *HortScience* 39(4):838.
- Lin, Mu-Chuan, Candice Shoemaker*, and Nancy Gyurcsik. 2004. Preliminary examination of the impact of a gardening program on confidence, physical activity, fruit and vegetable consumption, and quality of life. *HortScience* 39(4):782.
- 2004 Eighth International People-Plant Symposium, Hyogo Prefecture, Japan
Poston*, Suzanne A. and Candice A. Shoemaker. 2004. Gardening as a component of an after school nutrition program: A preliminary study. *Exploring the Therapeutic Power of Flowers, Greenery and Nature*, pg. 23.
 Shoemaker*, Candice A. and Mu-Chuan Lin. 2004. A model for healthy aging with horticulture. *Exploring the Therapeutic Power of Flowers, Greenery and Nature*, p. 23.
- Lin, Mu-Chuan, Candice A. Shoemaker*, and Nancy Gyurcsik. 2004. Preliminary study on the impact of an educational program on self-efficacy, gardening, fruit and vegetable consumption, and quality of life for older adults. *Exploring the Therapeutic Power of Flowers, Greenery and Nature*, pg. 37.
- 2002 Lectures in Japan
 "Research Methodologies for Studying Human Responses to Horticulture", campus-wide lecture at Kyoto Prefecture University, March 13
 "Outcome Based Evaluation as a Research Tool in Horticultural Therapy", lecture at a special meeting of the Kyushu Horticultural Therapy Association, March 16
 "Research Methodologies for Studying Human Responses to Horticulture", Department of Plant Science seminar at Kyushu University, March 18
 "Current Issues in Horticultural Therapy in the United States", lecture at the People Plant Interaction Symposium, Shinshu University, March 20
 "Current Issues in Horticultural Therapy in the United States", community-wide lecture at Keisen's Women's Horticultural College, March 22
- 2002 XXVIth International Horticultural Congress, Toronto, Ontario, Canada
 Poster Presentation: The profession of horticultural therapy: past, present, future
- 2002 Texas A&M University, Departments of Architecture and Landscape Architecture
 Seminar Presentation: Understanding horticultural therapy for designers
- 2002 Truman State University, Department of Biology
 Seminar Presentation: People and Plants: Beyond Basic Survival
- 2000 Sixth International People-Plant Symposium, Glencoe, IL.
 Keynote Presentation: Research Methodologies for Studying Human Responses to Horticulture
 Chair of the Organizing Committee for the Symposium
- 2000 National Floriculture Forum, Glencoe, IL.
 Presentation: The Chicago Botanic Garden Intern Program
 Site Committee member for the Forum
- 1997 American Society for Horticultural Science 94th Annual Meeting, Salt Lake City, UT.
 Shoemaker, C.A. and M. Barnett. 1997. Are the "*dientatum*" Complex of *Viburnum* Species Genetically Distinct? *HortScience* 32(3):482.
- 1995 Consortium of Colleges with Agriculture Programs Conference, Delaware Valley College, Doylestown, PA.

- Presentation: Collaborative Teaching in the Classroom

1995 Georgia Master Gardener, Floyd County Training Session.

Presentation: Plant Physiology
- 1993 Georgia Master Gardener Summer Conference, Rome, GA.

Presentation: Changes in horticulture: forecasting the future
- 1993 American Society for Horticultural Science 90th Annual Meeting, Nashville, TN.

Workshop organizer: Workshop titled Economic Impacts on Changing Markets Due to Public Perceptions
- 1992 American Society for Horticultural Science 89th Annual Meeting, Honolulu, HI.

Shoemaker*, C.A. and J.P. Breault. 1992. Measuring Motivation and Work Character Profile of Inmate/Probationers in a Horticultural Community Service Work Detail Program. *HortScience* 27(6):184.

Organizing Co-chair for the workshop titled People-Plant Relationships: Setting Research Priorities
- 1992 People/Plant Interaction: Setting Research Priorities Symposium, East Rutherford, NJ.

Moderator: Plants and human culture

Presentation: Plants and human culture

Presentation: Measuring motivation and work character profile of probationers in a horticultural community service work detail program

Served on Symposium Organizing Committee
- 1991 American Society for Horticultural Science 88th Annual Meeting, University Park, PA.

Shoemaker*, C.A. 1991. Focus group interviews as a research technique in horticulture. *HortScience* 26(6):183.

Organizing Co-chair for the workshop titled Social Science Research Methods in Human Issues in Horticulture
- 1991 Florida Ornamental Growers Association Annual Meetings, Orlando, FL.

Presentation: Marketing ornamentals for holidays and funerals
- 1990 American Society for Horticultural Science 87th Annual Meeting, Tucson, AZ.

Shoemaker*, C.A. and W.H. Carlson. 1990. Irradiance and temperature effects on development of *Begonia semperflorens-cultorum*. *HortScience* 25(9):1144.

Shoemaker*, C.A., P.D. Relf and C.D. Bryant. 1990. Role of sympathy flowers in funeral rituals. *HortScience* 25(9):1191.

Shoemaker*, C.A. 1990. Plants and human culture. *HortScience* 25(9):1174.
- 1990 The First National Symposium on the Role of Horticulture in Human Well-Being and Social Development, Alexandria, VA.

Moderator: Plants in human culture

Presentation: The role of sympathy flowers in the bereavement process

Served on Symposium Organizing Committee
- 1990 Society of American Florists Annual Meeting, Washington D.C.

Presentation: The role of sympathy flowers in the bereavement process
- 1990 American Association of Botanical Gardens and Arboreta Annual Meeting, Seattle, WA.

Presentation: Methodologies for human issues in horticulture research