

JAMES J. ZACZEK

CURRICULUM VITAE- Abridged, September 7, 2006

Office:

Department of Forestry
Southern Illinois University
Carbondale, IL 62901-4411

Phone: (618) 453-7465
Fax: (618) 453-7475
E-mail: zaczek@siu.edu

EDUCATION

- 1991-94 **Ph.D. Forest Resources**, The Pennsylvania State University, University Park, PA.
Dissertation title: Genetic, Ontogenetic, and Environmental Influences on Cloning
Performance of *Quercus rubra* L. Graduate advisor, Kim C. Steiner, Ph.D.
- 1980-82 **M. S. Forestry, Concentration in Forest Genetics**, Southern Illinois University,
Carbondale, IL. Thesis title: Evaluating Southern Appalachian Eastern White Pine
(*Pinus strobus* L.) Provenances in Southern Illinois: Tenth Year Plantation Results.
Graduate advisor, Paul L. Roth, Ph.D.
- 1977-80 **B. S. Forestry, Resource Management Specialization**, Southern Illinois University,
Carbondale, IL. (SIUC)

PROFESSIONAL EXPERIENCE

- 2003 - present **Associate Professor of Forest Ecology**, Department of Forestry, SIUC
- 1997 - 2003 **Assistant Professor of Forest Ecology**, Department of Forestry, SIUC
- 1996 - 1997 **Senior Research Assistant of Forest Biology**, Graduate Faculty, School of
Forest Resources, Pennsylvania State University, University Park, PA
- 1993 - 1997 **Affiliated Faculty**, Biotechnology Institute, Penn State, University Park, PA
- 1983 - 1996 **Research Assistant of Forest Biology**, Faculty, School of Forest Resources,
Pennsylvania State University, University Park, PA
- 1983 **Landscape Supervisor**, May Centers Inc., Cape Girardeau, MO
- 1982 **Arbor Technician and Climber**, City of Urbana Arbor Division, Urbana, IL
- 1981 - 1982 **Teaching and Research Assistant**, Department of Forestry, SIUC
- 1980 - 1982 **Tree Care Technician**, summer self-employment, Carbondale, IL

TEACHING EXPERIENCE

Courses Taught:

- Ecology of North American Forests (*FOR 201*, SIUC) 1997 - present
- Tree Identification Laboratory (*FOR 202*, SIUC) 2000 - present
- Tree Identification Laboratory (*FOR 202A* and *FOR 202B*, SIUC) 1997 - 2000
- Forest Ecosystems (*FOR 331*, SIUC) 1998 - present
- Tree Physiology: Concepts and Applications (*FOR 504*, SIUC) 2003 - present
- Forestry Seminar (team member, *FOR 381*, SIUC) 1998 - 2001
- Introduction to Forestry (team member, *FOR 100*, SIUC) 1997 - present
- Agriculture and Forestry Environmental Problems (team member, *AGR 333*, SIUC) 2000-2003
- Physical and Biological Environmental Systems (team member, *ERP 500*, SIUC) 2001
- Forest Ecology Field Studies - Lake States (*FOR 454B*, SIUC) 1999
- Forest Ecology Field Studies - Appalachians (*FOR 454C*, SIUC) 1998
- Special Problems in Forest Resources (*FOR 391*) 2002
- Special Studies for Honors Students (*FOR 492*) 2002
- Field Dendrology (*FOR 203*, PSU) 1995
- Dendrology and Silvics (*FOR 204*, assisted Dr. Kim Steiner, PSU) 1992
- Land Surveying (assisted Dr. William Doerr, SIUC) 1981 - 1982

Teaching Awards and Honors:

The Donald M. Elkins Excellence in Education Award. 2001. College-wide recognition for teaching achievement presented by the College of Agriculture Student Advisory Council, SIUC

Undergraduate Teaching Fellowship for the proposal *Improvement of Tree Identification Laboratory Through Experiential and Cooperative Learning* from the Undergraduate Teaching Fellowship Program, Office of Academic Affairs, SIUC. 2000

Instructional Development Program Certificate, The Pennsylvania State University

Student Advisees Who Have Completed Doctor of Philosophy or Master of Science Degrees

Susan Pietzmeier Romano	Dissertation title: <i>Forest strata assemblage relationships and tree growth response to flooding in a hydrologically modified floodplain, in southwestern Illinois, USA.</i> Doctor of Philosophy 2006 (co-advisor). Currently employed as an Assistant Professor at Western Illinois University.
Patrick T. Moore	Thesis title: <i>Seedling Establishment guidelines for the reintroduction of American chestnut in the central hardwood region.</i> Master of Science 2006. Currently employed as a regional resource forester for the state of Utah.
Michelle L. Crum	Thesis title: <i>Sap sugar concentration and sap volume characteristics of silver maple (<i>Acer saccharinum</i> L.) and sugar maple (<i>Acer saccharum</i> Marsh.).</i> Master of Science 2005. Currently employed as a teacher.
Kathleen M. Meurer	Thesis title: <i>Forest composition change in successional stands at Land Between the Lakes, Kentucky and Tennessee: 1988- 2000.</i> Master of Science 2004 (co-advisor). Currently Employed by Meurer Forest Services.
Devin W. Fishel	Thesis title: <i>Positional Influence on Rooting of Shoots Forced from the Main Bole of Oak.</i> Master of Science, 2002. Currently employed by the University of Arkansas, Fayetteville.
John M. Lhotka	Thesis title: <i>The Effects of Soil Scarification on Oak Regeneration in Upland and Bottomland Forests of Southern Illinois.</i> Master of Science, 2001. Currently a post doctoral researcher in Forestry at Auburn Univ.
Michael T. Keeley	Thesis title: <i>Influence of Genotype and Phenotype on Sap Characteristics of Silver Maple (<i>Acer saccharinum</i> L.) in Southern Illinois.</i> Master of Science, 2000. Currently employed as a Resource Forester with the Missouri Department of Conservation, Perryville, MO.
Daniel R. Spivey	Thesis title: <i>The Distribution, Site Relationships, and Successional Trends of the Chestnut Oak Communities in Illinois.</i> Master of Science, 2000. Currently employed by Southern Illinois University, Carbondale.
Lucille C. Tallman	Thesis title: <i>The Midcanopy Component of Compositionally-Stable and Successional Communities at Land Between the Lakes, Kentucky and Tennessee.</i> Master of Science, 1998 (co-advisor). Currently pursuing a Ph.D. in the Environmental Science and Regional Planning Department at Washington State University, Richland, WA.

Awards to Undergraduate Student Advisees

Faculty mentor for Rebecca L. Sexton who received a 2000 Chancellor's Undergraduate Research and Creativity Award (\$1500) from the Office of the Provost and Vice Chancellor for Academic Affairs of Southern Illinois University to support her research proposal *Giant Cane (Arundinaria gigantea) Propagation Techniques for Restoration of Riparian Forest Ecosystems*.

Awards to Graduate Student Advisees

The North Carolina Botanical Garden Award. Outstanding paper (co-authored and presented by graduate advisee Patrick Moore) at the 62nd Annual Meeting of the Association of Southeastern Biologists, April 4-7, 2001, New Orleans, LA.

Outstanding Graduate Student Paper Award received by John M. Lhotka at the Eleventh Biennial Southern Silviculture Research Conference, March 20-22, 2001, Knoxville, TN.

1999 Todd Fink Memorial Award, presented to Patrick T. Moore, sponsored by the Illinois Department of Natural Resources, the Illinois Conservation Association, the Endangered Species Protection Board and the Family of Todd Fink

1998 Todd Fink Memorial Award, presented to Daniel R. Spivey, sponsored by the Illinois Department of Natural Resources, the Illinois Conservation Association, the Endangered Species Protection Board and the Family of Todd Fink

Department Student Organizations

Faculty Advisor, Xi Sigma Pi, Society for Forestry Honor Students, 2002 - present
Faculty Fiscal Officer, SIUC Forestry Club, 1997 - current

Offices Held and Honors Awarded in Professional Associations

Special Commendation from the Illinois Association of Vocational Agriculture Teachers in recognition for organizing and conducting the State Forestry Career Development Event
Chair, Forestry Committee, Shawnee Resource Conservation and Development Area, 2002 - 2004
Executive Committee Member, Shawnee Resource Conservation and Development Area, 2002- 2004
Faculty Advisor, SIUC Student Chapter of Xi Sigma Pi (National Forestry Honorary) 2003 - present
Working Group Representative, Illinois Council on Food and Agricultural Research, 2002 - 2003
Advisory Group Member, United States Department of Agriculture, Forest Service Hardwood Tree Improvement and Regeneration Center, West Lafayette, IN, 1999
Member, Pennsylvania Electrical Energy Research Council and Municipal Tree Restoration Program Steering Committee 1997
Planning Committee, Conference on Diversity and Adaptation in Oak Species, Sponsor: International Union of Forestry Research Organizations Working Party on Genetics of *Quercus*, 1996 - 1997
Executive Committee Member, Rothrock Chapter, Society of American Foresters, 1995 - 1997
Gamma Sigma Delta (National Agriculture Honorary)
Alpha Zeta (National Agriculture Honorary)
Phi Kappa Phi (National Honorary)
Xi Sigma Pi (National Forestry Honorary)

Other Honors, Awards, and Achievements

Awarded the 2005 "Outstanding Recent Alumnus" by the School of Forest Resources at Pennsylvania

State University, April 26, 2005.
 The North Carolina Botanical Garden Award. Outstanding paper (co-authored and presented by graduate advisee Patrick Moore) at the 62nd Annual Meeting of the Association of Southeastern Biologists, April 4-7, 2001, New Orleans, LA
 Third place poster, Pennsylvania State University Graduate Research Exhibition 1993
 Dean's List for Academic Achievement, SIU, Carbondale, IL 1977, 1979, 1980
 Varsity letters, gymnastics, Southern Illinois University, Carbondale, IL 1979 - 1980
 Scholarship, gymnastics, Southern Illinois University, Carbondale, IL 1977 - 1980
 Scholarship, gymnastics, Colorado State University, Fort Collins, CO 1975 - 1976

RESEARCH

Research Interests and Specialties

The biology, ecology, and genetics of trees with emphasis on oak; regeneration and restoration ecology of hardwood forest ecosystems; riparian forest buffer restoration and management; stand dynamics in old growth hardwood forests; silviculture; agroforestry; ontogenetic changes in trees; giant cane (*Arundinaria gigantea*) ecology and restoration; Christmas tree breeding; propagation of recalcitrant woody plants; reestablishing American chestnut in forests; human dimensions of forestry education.

Grants and Contracts Received and Conducted (Over the past 5 years)

2006-2007	Giant Cane Restoration. U.S. Fish and Wildlife Service. J. J. Zaczek and J. W. Groninger.
2006-2007	Monitoring Wetlands Habitat Development on the Lower Cache. Illinois Department of Natural Resources. J. J. Zaczek and J. W. Groninger
2005-2006	State of the Parks: Great Lakes Assessment. National Parks Conservation Association. M. Davenport, J. Burde, and J. J. Zaczek
2005-2007	Monitoring the effect of disturbance on the growth and development of planted giant cane to improve success of canebrake restoration. Illinois Department of Conservation, Resources Conservation Division. J. J. Zaczek, C. M. Ruffner, S. G. Baer, K. W. J. Williard, J. W. Groninger,
2004 - 2007	Giant cane restoration. U.S. Fish and Wildlife Service. J. J. Zaczek and J. W. Groninger.
2003 - 2005	Bottomland forest health in the lower Kaskaskia River region. Illinois Conservation 2000 Ecosystem Partnership Program of the Illinois Department of Natural Resources. K. W. J. Williard, S. G. Baer, J. J. Zaczek, J. C. Mangun, and C. M. Ruffner
2003-2007	Evaluating Cultural Methods and Planting Stock for Establishing Keystone Species in Eastern Deciduous Forests. United States Department of Agriculture, Cooperative State Research, Education, and Extension Service. J. J. Zaczek.
2003 - 2005	Watershed management Planning for Rayse Creek. Illinois Environmental Protection Agency, Section 319(h) Nonpoint Source Pollution Control Program K. W. J. Williard, J. C. Mangun, S. G. Baer, and J. J. Zaczek
2003 - 2004	Restoration Analysis of Grassy Slough. The Nature Conservancy. J. J. Zaczek and J. W. Groninger

- 2002 - 2003 **Quantifying the water quality benefits of riparian buffer zones on the Southern Illinois University Farms.** Illinois Buffer Partnership. K. W. J. Williard, J. J. Zaczek
- 2002 - 2005 **Integrating Management and Outreach for Bottomland Forest Regeneration in the Lower Kaskaskia River Region.** Phase II. Conservation 2000 Ecosystem Partnership Program of the Illinois Department of Natural Resources. K. W. J. Williard, J. J. Zaczek, A. D. Carver, and J. C. Mangun
- 2001 - 2004 **How Sweet It Is: Developing Maple Syrup as a Sustainable Agricultural Commodity for Illinois Farms.** Conservation 2000 Sustainable Agriculture Program of the Illinois Department of Agriculture. J. J. Zaczek, A. D. Carver, J. E. Preece, K. W. J. Williard, and J. C. Mangun
- 2000 - 2001 **Integrating Management and Outreach for Bottomland Forest Regeneration in the Lower Kaskaskia River Region.** Conservation 2000 Ecosystem Partnership Program of the Illinois Department of Natural Resources. K. W. J. Williard, J. J. Zaczek, A. D. Carver, and J. C. Mangun
- 2000 - 2001 **Giant Cane Restoration Strategies.** US Department of the Interior, US Fish and Wildlife Service. J. J. Zaczek and J. W. Groninger
- 1999 - 2004 **Enhancement of Water Quality and Farm Income: Decision Support for Riparian Management Systems.** The Illinois Council on Food and Agricultural Research. J. C. Mangun, J. J. Zaczek, A. D. Carver, K. W. J. Williard, and B. P. Klubek
- 1999 - 2002 **Determining Efficient Silvicultural Methods for the Restoration of American Chestnut in Central Hardwood Forests.** The American Chestnut Foundation. J. J. Zaczek
- 1998 - 2003 **Enhancing Regeneration and Restoration of Oak-Hickory Forests in Southern Illinois.** US Department of Agriculture, Cooperative State Research, Education, and Extension Service. J. J. Zaczek
- 1998 - 1999 **Determining the Distribution, Site Relationships, and Successional Trends of Chestnut Oak in Illinois.** Illinois Department of Natural Resources. J. J. Zaczek and D. R. Spivey
- 1997 - 2001 **Defining Silvicultural Guidelines for Reestablishing American Chestnut in Eastern Deciduous Forests.** The American Chestnut Foundation. J. J. Zaczek, K. C. Steiner, and H. D. Gerhold

PUBLICATIONS, Peer-Reviewed (In Previous 5 Years)

- Zaczek, J. J., K. C. Steiner, C. W. Heuser, Jr., and W. M. Tzilkowski. 2006. Effects of serial grafting, ontogeny, and genotype on rooting of *Quercus rubra* cuttings. *Canadian Journal of Forest Research* 36(1):123-131.
- Schoonover, J. E., K. W. J. Williard, J. J. Zaczek, J. C. Mangun, and A.D. Carver. 2006. Agricultural sediment reduction by giant cane and forest riparian buffer zones. *Water, Air and Soil Pollution* 169:303-315.
- Crum, M. L., J. J. Zaczek, J. E. Preece, and S. G. Baer. The impact of thinning and fertilization on sap sugar concentration and sap volume of silver maple (*Acer saccharinum* L.) *In Proceedings, 15th Central Hardwood Forest Conference*. Feb 27 March 1, 2006, Knoxville, TN. USDA Forest Service General Technical Report, Northeastern Research Station, Newton Square, Pennsylvania. (In press)
- Hartleb, J. L. and J. J. Zaczek. Culm Production and morphology of fresh and stored rhizomes from field-planted and wild giant cane (*Arundinaria gigantea*) *In Proceedings, 15th Central Hardwood Forest Conference*. Feb 27 March 1, 2006, Knoxville, TN. USDA For. Serv. Gen. Tech. Rep. Northeastern Research Station, Newton Square, Pennsylvania. (In press)
- Ruzika, K. J., J. W. Groninger, and J. J. Zaczek. 2006. Deer browsing pattern in a recently afforested bottomland. *In Proceedings, 15th Central Hardwood Forest Conference*. Feb 27 March 1, 2006, Knoxville, TN. USDA For. Serv. Gen. Tech. Rep. NE-xxx. Northeastern Research Station, Newton Square, Pennsylvania. (In press)
- Mangun, J. C., M. D. Gaskins, A. D. Carver, K. W. J. Williard and J. J. Zaczek. 2006. A multi-criteria GIS analysis for ranking potential restoration areas in the fragmented Kaskaskia River watershed bottomland hardwood forest. *In Proceedings, 15th Central Hardwood Forest Conference*. Feb 27 March 1, 2006, Knoxville, TN. USDA For. Serv. Gen. Tech. Rep. NE-xxx. Northeastern Research Station, Newton Square, Pennsylvania. (In press)
- Blattel, C. R., K. W. J. Williard, S. G. Baer, and J. J. Zaczek. 2005. Abatement of ground water phosphate in giant cane and forest riparian buffers. *Journal of the American Water Resources Association* 41(2): 301-307
- Schoonover, J. E., K. W. J. Williard, J. J. Zaczek, J. C. Mangun, and A.D. Carver. 2005. Nutrient attenuation in agricultural surface runoff by riparian buffer zones in southern Illinois, U.S.A. *Agroforestry Systems*. 64(2):169-180.
- Zaczek, J. J. and Lhotka, J. M. 2004. Seedling reproduction established with soil scarification in an oak overwood after overstory removal. *Northern Journal of Applied Forestry* 21(1):5-11.
- Carver, A. D., S. D. Danskin, J. J. Zaczek, J. C. Mangun, and K. W. J. Williard. 2004. A GIS methodology for generating riparian tree planting recommendations. *Northern Journal of Applied Forestry* 21(2):100-106.
- Crum, M. L., J. J. Zaczek, A. D. Carver, K. W. J. Williard, J. K. Buchheit, J. E. Preece, and J. C. Mangun. 2004. Riparian silver maple and upland sugar maple trees sap sugar parameters in southern Illinois. *In Proceedings, 14th Central Hardwood Forest Conference*. March 16-19, 2004, Wooster, Ohio. USDA For. Serv. Gen. Tech. Rep. NE-316. *Edited by* D. A. Yaussy, D. M. Hix, R. P. Long, P. C. Goebel. Northeastern Research Station, Newton Square, Pennsylvania. pp 122-129.
- Buchheit, J. K., A. D. Carver, J. J. Zaczek, K. W. J. Williard, M. L. Crum, J. E. Preece, and J. C. Mangun. 2004. Economic feasibility of commercial maple syrup production in Illinois. *In Proceedings, 14th Central Hardwood Forest Conference*. March 16-19, 2004, Wooster, Ohio. USDA For. Serv. Gen. Tech. Rep. NE-316. *Edited by* D. A. Yaussy, D. M. Hix, R. P. Long, P. C. Goebel. Northeastern Research Station, Newton Square, Pennsylvania. pp 116-121.

- Church, J. M., K. W. J. Williard, S. G. Baer, J. W. Groninger, and J. J. Zaczek. 2004. Nitrogen leaching below riparian autumn olive stands in the dormant season. *In Proceedings, 14th Central Hardwood Forest Conference*. March 16-19, 2004, Wooster, Ohio. USDA For. Serv. Gen. Tech. Rep. NE-316. *Edited by* D. A. Yaussy, D. M. Hix, R. P. Long, P. C. Goebel. Northeastern Research Station, Newton Square, Pennsylvania. pp 211-216.
- Lhotka, J. M. and J. J. Zaczek. 2003. Soil scarification effects on oak reproduction within two mixed-oak bottomland stands in southern Illinois. *Southern Journal of Applied Forestry* 27(3):164-171.
- Fishel, D. W., J. J. Zaczek, and J. E. Preece. 2003. Positional influence on rooting of shoots forced from the main bole of swamp white oak and northern red oak. *Canadian Journal of Forest Research* 33(4): 705-711.
- Lhotka, J. M. and J. J. Zaczek. 2003. Effects of scarification disturbance on the seedling and midstory layer in a successional mixed-oak forest. *Northern Journal of Applied Forestry*. 20(2): 85-91.
- Zaczek, J. J., A. D. Carver, K. W. J. Williard, J. K. Buchheit, J. E. Preece, and J. C. Mangun. 2003. Sap sugar parameters of silver maple provenances and clones grown on upland and bottomland sites. *In Proceedings 13th Central Hardwood Forest Conference*. April 1-3, 2002, Champaign, IL. USDA For. Serv. Gen. Tech. Rep. NC-234. *Edited by* J. W. Van Sambeek, J. O. Dawson, F. Ponder, Jr., E. F. Louwenstein, and J. S. Fralish. North Central Research Station, St. Paul, Minnesota. pp. 496-501.
- Romano, S. P., J. J. Zaczek, K. W. J. Williard, S. Baer, A. D. Carver, and J. C. Mangun. 2003. Riparian forest communities of the lower Kaskaskia River bottoms. *In Proceedings 13th Central Hardwood Forest Conference*, April 1-3, 2002, Champaign, IL. USDA For. Serv. Gen. Tech. Rep. NC-234. *Edited by* J. W. Van Sambeek, J. O. Dawson, F. Ponder, Jr., E. F. Louwenstein, and J. S. Fralish. North Central Research Station, St. Paul, Minnesota. pp. 159-167.
- Schoonover, J. E., K. W. J. Williard, J. J. Zaczek, J. C. Mangun, and A. D. Carver. 2003. Soil water nitrate concentrations in giant cane and forest riparian buffer zones. *In Proceedings 13th Central Hardwood Forest Conference*, April 1-3, 2002, Champaign, IL. USDA For. Serv. Gen. Tech. Rep. NC-234. *Edited by* J. W. Van Sambeek, J. O. Dawson, F. Ponder, Jr., E. F. Louwenstein, and J. S. Fralish. North Central Research Station, St. Paul, Minnesota. pp. 206-210.
- Lhotka, J. M. and J. J. Zaczek. 2003. The development of oak reproduction following soil scarification: implications for riparian forest management. *In Proceedings 13th Central Hardwood Forest Conference*, April 1-3, 2002, Champaign, IL. USDA For. Serv. Gen. Tech. Rep. NC-234. *Edited by* J. W. Van Sambeek, J. O. Dawson, F. Ponder, Jr., E. F. Louwenstein, and J. S. Fralish. North Central Research Station, St. Paul, Minnesota. pp. 199-202.
- Van Sambeek, J. W., M. E. Ostry, and J. J. Zaczek. 2003. Survival and growth of deep-planted, in-leaf grafts in a germplasm repository of canker-resistant butternut. *In Proceedings 13th Central Hardwood Forest Conference*, April 1-3, 2002, Champaign, IL. USDA For. Serv. Gen. Tech. Rep. NC-234. *Edited by* J. W. Van Sambeek, J. O. Dawson, F. Ponder, Jr., E. F. Louwenstein, and J. S. Fralish. North Central Research Station, St. Paul, Minnesota. pp. 476-479.
- Webber, J. A., K. W. J. Williard, M. R. Whiles, M. L. Stone, J. J. Zaczek, and K. D. Davie. 2003. Watershed Scale Assessment of the Impact of Forested Riparian Zones on Stream Water Quality. *In Proceedings 13th Central Hardwood Forest Conference*, April 1-3, 2002, Champaign, IL. USDA For. Serv. Gen. Tech. Rep. NC-234. *Edited by* J. W. Van Sambeek, J. O. Dawson, F. Ponder, Jr., E. F. Louwenstein, and J. S. Fralish. North Central Research Station, St. Paul, Minnesota. pp. 114-120.
- Zaczek, J. J. 2002. Composition, Diversity, and Height of Tree Regeneration Three Years After Soil Scarification in a Mixed-Oak Shelterwood. *Forest Ecology and Management* 163(1-3):205-215.
- Zaczek, J. J., J. W. Groninger, and J. W. Van Sambeek. 2002. Stand dynamics in a protected old-growth hardwood forest in southern Illinois. *Natural Areas Journal* 22(2):212-220.

Other Publications (In Past 5 Years)

- Phelps, T. R., K. C. Steiner, C. Chen, and J. J. Zaczek. 2006. Planting trials of American chestnut in Central Appalachian Mountains. *In* Restoration of American chestnut to forest lands - Proceedings of a conference and workshop. May 4-6, 2004, The North Carolina Arboretum. Natural Resources Report NPS/NCR/CUE/NRR - 2006/001. Edited by K. C. Steiner and J. E. Carlson. National Park Service, Washington, DC. P 161-166.
- Zaczek, J. J., K. W. J. Williard, Sara G. Baer, J. W. Groninger, and R. L. Sexton. 2005. Propagation of giant cane (*Arundinaria gigantea*) using rhizome cuttings. Combined Proceedings of the International Plant Propagators Society Volume 54:408-411.
- Mangun, J. C., M. D. Gaskins, A. D. Carver, K. W. J. Williard and J. J. Zaczek. 2005. Using GIS to Rank Forest Conservation and Restoration Potential: Integrating Core Area, Connectivity and Bird Habitat Criteria in the Kaskaskia River Watershed. *In* Proceedings: Emerging Issues Along Urban/Rural Interfaces: Linking Science and Society. Atlanta, Georgia, March 13-16, 2005. Edited by D. L. Laband
- Zaczek, J. J., R. L. Sexton, K. W. J. Williard, and J. W. Groninger. 2004. Propagation of giant cane (*Arundinaria gigantea*) for riparian habitat restoration. *In* National Proceedings: Forest and Conservation Nursery Associations; June 9-12, 2003 Coeur d'Alene, ID and July 14-17, 2003 Springfield, IL. USDA Forest Service Proceedings RMRS-P-33. Technical Coordinators L. E. Riley, R. K. Dumroese, T. D. Landis. Rocky Mountain Research Station, Fort Collins, CO. pp. 103-106.
- Zaczek, J. J. 2004. Tree improvement activities and applications in southern Illinois. Northeastern Tree Improvement Specialist Meeting. September 7-10, 2004. Minocqua, WI.
- Lhotka, J. M., J. J. Zaczek, and R. T. Graham. 2004. The influence of soil scarification on oak reproduction: Review and management considerations. *In* Proceedings Upland Oak Ecology Symposium: History, Current Conditions, and Sustainability, October 7-10, 2002. Fayetteville, AR. USDA For. Serv. Gen. Tech. Rep. SRS*73. Edited by M. A. Spetich, Southern Research Station, Asheville, NC. pp.292-294.
- Sexton, R. L., J. J. Zaczek, J. W. Groninger, S. D. Fillmore, and K. W. J. Williard. 2003. Giant Cane (*Arundinaria gigantea*) propagation techniques for restoration of riparian forest ecosystems. *In* Proceedings 13th Central Hardwood Forest Conference, April 1-3, 2002, Champaign, IL. USDA For. Serv. Gen. Tech. Rep. NC-234. Edited by J. W. Van Sambeek, J. O. Dawson, F. Ponder, Jr., E. F. Louwenstein, and J. S. Fralish. North Central Research Station, St. Paul, MN. pp. 421-424.
- Preece, J. E., J. W. Van Sambeek, P. H. Henry, and J. J. Zaczek. 2002. Forcing softwood cuttings from woody stem segments. *American Nurseryman* 196(7): 26-34.
- Preece, J. E., D. I. Ledbetter, and J. J. Zaczek. 2002. Rooting softwood cuttings collected from forced large stems of Oakleaf Hydrangea and American Chestnut. Combined Proceedings of the International Plant Propagators Society 51:267-270.
- Lhotka, J. M. and J. J. Zaczek. 2002. The use of soil scarification to enhance oak regeneration in a mixed-oak bottomland forest of southern Illinois. *In* Proceedings of the Eleventh Biennial Southern Silviculture Research Conference. March 20-22, 2001, Knoxville, TN. Edited by K. W. Outcalt. U.S. Department of Agriculture, Forest Service, Southern Research Station General Technical Report. SRS-48. Asheville, NC. pp. 401-404.
- Zaczek, J. J., C. W. Heuser, Jr., and K. C. Steiner. 2001. Timing of low solar irradiance affects *Quercus* and *Acer* Propagation. Combined Proceedings of the International Plant Propagators Society 50:434-441.