

# SHIBU JOSE

School of Forest Resources and Conservation  
351 Newins-Ziegler Hall, PO Box 110410  
Gainesville, FL 32611  
Phone (352) 846 0872 Fax (352) 848 1277  
sjose@ufl.edu

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## Education

**Ph.D. (Forest Science), 1997.** Purdue University, USA, GPA 4.0/4.0  
**M.S. (Forest Science), 1994.** Purdue University, USA, GPA 4.0/4.0  
**B.S. (Forest Biology), 1991.** Kerala Agricultural University, India, GPA 4.0/4.0

## Professional Experience

Associate Professor of Forest Ecology (2004-), School of Forest Resources & Conservation, University of Florida  
Co-Director, Cooperative for Conserved Forest Ecosystems: Outreach and Research (CFEOR), (2006-present)  
Assistant Professor Forest Ecology & Silviculture (1998-2004), School of Forest Resources & Conservation, University of Florida  
Affiliate Faculty member (2003-), Soil and Water Science Department, University of Florida  
Affiliate Faculty Member (2000-), School of Natural Resources & Environment, UF  
Research Associate (1998), Dept. of Forest Resources, University of Minnesota, St. Paul  
Graduate Teaching Assistant (1993-1997), Forestry and Natural Resources, Purdue University  
Aga Khan Research Scholar (1996-1997), Kerala Agricultural University, India  
Research Fellow (1991-1992), College of Forestry, Kerala Agricultural University

## Awards and Honors

- \* Who's Who in Emerging Leaders in America, 2006
- \* Award of Excellence in Research, Southeastern SAF 2005
- \* Stephen Spurr Award, Florida Division SAF 2004
- \* Junior Faculty Award of Merit, Gamma Sigma Delta, 2004
- \* Gamma Sigma Delta, the Honor Society of Agriculture, since 2003
- \* SAF Leadership Academy, 2002
- \* Who's Who in America, 2001
- \* International Who's Who of Professionals, 1999
- \* Member of the Honor Society of Phi Kappa Phi, since 1997
- \* Best Research Poster Award (letter of recognition and cash prize) at the first Dept. of Forestry and Natural Resources Graduate Research Symposium, Purdue University, 1996.
- \* Best Overall Research Poster Award at the Society of American Foresters National Convention, 1993.
- \* Recipient of the Best Research Poster Award in the Silviculture Working Group at the Society of American Foresters National Convention, 1993.

- \* Jawaharlal Nehru Memorial National Award for Scholastic Excellence, Jawaharlal Nehru Memorial Trust, New Delhi, India, 1992.
- \* Indian Council of Agricultural Research (ICAR) Junior Fellowship 1992,
- \* First Rank for B.S. (Forestry) at Kerala Agricultural University (1991) and KAU Merit Scholarship, 1987-1991.
- \* Mahatma Gandhi University Merit Scholarship during pre-university program (i.e. 11<sup>th</sup> and 12<sup>th</sup> grade), 1985-1987.

## **Professional Activities**

### **Journals**

Editor, *Journal of Forestry* (2004-present)  
 Book Review Editor, *Forest Science* (2004-present)  
 Associate Editor, *Research Letters in Ecology* (2007-present)  
 Associate Editor, *Agroforestry Systems* (2005-present), Springer Science  
 Consulting Editor: *Agroforestry Systems* (2002- 2005), Springer Science  
 Editorial Board member: *Tree Physiology* (2006-), Heron Publishing, Canada  
 Associate Editor: *Forest Science* (2001-2004), Society of American Foresters  
 Editorial Board member: *Journal of Spatial Hydrology*(2003-2004)  
 Associate Editor: *Journal of Forestry*(2003-2004)

### **Professional Association**

Executive Board Member, Society for Ecological Restoration (Coastal Plain Chapter) (2007-2009)  
 Chair, Applied Ecology Section, Ecological Society of America (2006-2008)  
 Member, Forest Science and Technology Board of Society of American Foresters (2006-present)  
 Deputy Coordinator, Invasive Species Working Group, IUFRO (since 2005)  
 Chair: National Committee on Cultural Diversity, Society of American Foresters (SAF) (2003-2005)  
 (Member (2000-2007)  
 Chair Elect: SAF National Working Group on Agroforestry (2003-2005)  
 Chair, Communications Committee, Southeastern Region SAF (2001-2005)  
 Chair (2003-2004); Chair-Elect: SAF (2002-2003), Panhandle Chapter  
 Chair, Membership Committee, SAF Panhandle Chapter (2001-2003)

#### ***Reviewer (proposals):***

Panel Member, USDA NRI Biology of Weedy and Invasive Species  
 National Science Foundation  
 USDA CSREES; USDA ARS/CRIS  
 SAF National Convention Program  
 UF/IFAS CRIS Projects

#### ***Reviewer (manuscripts):***

*Agroforestry Systems:*  
*Agronomy Journal:*  
*Agriculture, Ecosystems and Environment:*  
*Biomass and Bioenergy:*  
*Canadian Journal of Botany:*  
*Canadian Journal of Forest Research:*  
*Forest Ecology and Management:*

*Forest Science*  
*Journal of Crop Production*  
*Journal of Tropical Forest Science:*  
*Journal of Environmental Quality:*  
*Journal of Environmental and Economic Botany:*  
*Journal of Forestry:*  
*Journal of Spatial Hydrology:*  
*Natural Resource Forum:*  
*Plant and Soil:*  
*Southern Journal of Applied Forestry:*  
*Tree Physiology:*  
*Weed Technology:*

### **Memberships**

Society of American Foresters (since 1993)  
Ecological Society of America (since 1994)  
American Association for the Advancement of Science (since 1995)  
Association for Temperate Agroforestry (since 1995)  
Soil Science Society of America (since 2002)  
Society for Ecological Restoration (2006-)

### **College/Department committees**

Assistant Professor, Forest Ecology and Silviculture (Chair, Search and Screen Committee, 2005-2006)  
Assistant/Associate Professor of Forest Management (Chair, Search and Screen Committee, 2002)  
Director, School of Forest Resources and Conservation (member, Search and Screen Committee, 2002-2003)  
Curriculum Committee (Chair, since 1999)  
Undergraduate Programs Committee (Member, Since 2001)  
Scholarships and Award Committee (Member, since 2000)  
Forestry Advisory Committee, North Florida REC (member, since 2001)  
Assistant Director, Center for Subtropical Agroforestry (Member, Search and Screen Committee, 2001)  
Director, West Florida REC (Member, Search and Screen Committee, 2001)  
Assistant Professor of Silviculture (Member, Search and Screen Committee, 2000)  
Assistant Professor of Tree Physiology (Member, Search and Screen Committee, 1999)

### **Publications**

#### **BOOKS**

1. Jose, S., and Gordon, A.M. (eds.). 2007. *Toward Agroforestry Design: An Ecological Approach*. Springer-Verlag (in press)
2. Kohli, R., Jose, S., Batish, D. and Singh. H. (eds.) 2007. *Invasive Plants and Forest Ecosystems*. CRC/Taylor and Francis (accepted)
3. Jose, S., Jokela, E.J., and Miller, D.L (eds.). 2006. *Longleaf Pine Ecosystems: Ecology, Management, and Restoration*. Springer-Verlag, New York.
4. Brockway, D.G., Outcalt, K., Guldin, J., Boyer, W., Walker, J., Rudolph, C., Rummer, R., Barnett, J., Jose, S., and Nowak, J. 2005. Uneven-aged management of longleaf pine forests: A scientist and manager dialogue. GTS SRS-78, USDA Forest Service, Southern Research Station, Ashville, NC. 38p.

## BOOK CHAPTERS (\*indicates a student or post-doc worked under my direct supervision)

1. Jose, S., Jokela, E.J., and Miller, D.L. 2006. The longleaf pine ecosystem: An overview. In Jose, S., Jokela, E.J., and Miller, D.L (eds.). Longleaf Pine Ecosystems: Ecology, Management, and Restoration. Springer-Verlag, New York.
2. Ranasinghe S.\*, Jose, S., and Ramsey C.R. 2005. Understory species response following herbicidal release treatments on a longleaf pine cutover site in southern U.S.A. Columbus, F. (ed.), Advances in Ecology Research. Nova Science Publishers, New York. (invited).
3. Nair, P.K.R., Bannister, M.E., Nair, V.D., Alavalapati, J.R.R., Ellis, E., Jose, S., and Long A.J. 2004. Silvopasture in southeastern United States: More than just a new name for an old practice. Mosquera-Losada, M.R., McAdam, J., and Riguero-Rodriguez, A. (eds.), CABI Publishing, Wallingford, U.K. (invited).
4. Jose, S., Gillespie, A.R., and Pallardy S.G. 2004. Interspecific interactions in temperate agroforestry. In New Vistas in Agroforestry. Nair, P.K.R., Rao. M.R., and Buck, L.E. (ed.), Kulwer Academic Publishers, Dordrecht, The Netherlands. (invited).
5. Jose S., Allen S.\*, and Nair P.K.R. 2003. Ecological interactions: Lessons from temperate alley cropping systems. In Agroforestry. Batish S. and Singh H.P. (eds). Haworth Press, New York. In press (invited)
6. Jose S. 2002. History of the U.S.D.A. Forest Service. Pp. 437-441. In Dictionary of American History. 3rd Edition (10 volumes). Kutler S.I. (ed). Charles Scribner's Sons, Imprint of Gale-Thompson, New York. (invited)
7. Jose S. 2002. Black walnut allelopathy: Current State of the Science. Pp. 149-172. In Chemical Ecology of Plants: Allelopathy in Aquatic and Terrestrial Ecosystems. Inderjit, S. and Mallik A. (eds). Birkhauser-Verlag, Switzerland. (invited)
8. Jose S. 2001. Ecological dynamics along edge-to- interior gradients in a high altitude tropical forest. Pp. 16-21. In Tropical Ecosystems: Structure, Diversity and Human Welfare. Ganeshiah K.N., Shaankar U. and Bawa K. S. (eds). Oxford & IBH Publishers, New Delhi, India.
9. Jose, S., and Gillespie, A.R. 1996. Synergistic and competitive interactions in alley cropping: Lessons from temperate systems involving fine hardwoods and corn. Pp. 147-150. In Agroforestry and Environment. Kohli, R.K., and Arya, K.S. (eds). HKT Publications, Chandigarh, India.

## BOOK REVIEWS

1. Jose. S. 2006. Restoration of temperate and boreal forests. Stanturf, J. and Madson, P. (eds.). 2005. CRC Press/Taylor and Francis, Boca Raton, FL, 569 p. ISBN 1-56670-635-1 (hardbound). Forest Science (in press).
2. Jose, S. 2003. The potential of U.S. forest soils to sequester carbon and mitigate the greenhouse effect. Edited by John M. Kimble, Linda S. Heath, Richard A. Birdsey, and Rattan Lal. 2003. CRC Press, Boca Raton, FL. 429 p. ISBN 1-56670-583-5 (hardbound). Forest Science 49: 644-645.

3. Jose, S. 2002. Terrestrial global productivity. Edited by Jacques Roy, Bernard Saugier and Harold A. Mooney. 2001. Academic Press, San Diego, CA. 573 p. ISBN 0-12-505290-1 (hardbound). *Forest Science* 48: 622-623
4. Jose, S. 1999. Forest biodiversity in North, Central and South America, and the Caribbean: Research and monitoring. Edited by F. Dallmeier and J. A. Comiskey; UNESCO, Paris, France (ISBN 92-3-103409) and Parthenon Publishing, USA and UK (ISBN 1-85070-964-5); 768 p. (hardbound). *Agroforestry Systems* 46: 213-215

REFEREED PUBLICATIONS (\*indicates a student or post-doc worked under my direct supervision)

42. Holzmueller, E.J.\*, Jose, S., and Jenkins, M.A., Jose, S. 2007. Influence of calcium, potassium, and magnesium on *Cornus florida* L. density and resistance to dogwood anthracnose. *Plant and Soil* (in press)
41. Jenkins, M.A., Jose, S., and White, P.S. 2007. Impacts of an exotic fungal disease on forest community composition and structure and the resulting effects on foliar calcium cycling. *Ecological Applications* (in press)
40. Zamora, D., Jose, S., Nair, P.K.R. 2006. Morphological plasticity of cotton roots in response to interspecific competition with pecan in an alleycropping system in the southern United States. *Agroforestry Systems* (in press)
39. Zamora, D., Jose, S., Nair, P.K.R. 2006. Interspecific interaction in a pecan-cotton alleycropping system in the southern United States: The production physiology. *Canadian Journal of Botany* (in press)
38. Collins, A.R.\*, Jose, S., Danseghar, P.\* and Ramsey, C.\* 2006. Elton's hypothesis revisited: *Imperata cylindrica* invasion in the southeastern United States. *Biological Invasions* (in press)
37. Webster, C.R., Jenkins, M.A., and Jose, S. 2006. Woody invaders and the challenges they pose to forest ecosystems in the eastern United States. *Journal of Forestry* 104:366-374
36. Jose, S., Williams, R.A., and Zamora, D.\* 2006. Belowground ecological interactions in mixed-species forest plantations. *Forest Ecology and Management* 233:231-239
35. Jose, S. 2006. Ecological interactions in silvopastoral systems: A synthesis. *Annals of Arid Zone* (in press).
34. Allen, S.C., Nair, V.D., Graetz, D., Jose, S., and Nair, P.K.R. 2006. Phosphorus loss from organic versus inorganic fertilizers used in alleycropping on a Florida Ultisol. *Agriculture, Ecosystems and Environment* (in press)
33. Ruth, A.\*, Miller, D. and Jose, S. 2006. Role of prescribed fire in restoring longleaf pine scrub and flatwoods communities. *Natural Areas Journal* (in press)
32. Ruth, A.\*, Miller, D. and Jose, S. 2006. Longleaf pine restoration: is there a viable seed bank in fire-excluded communities? *Plant Ecology* (in press)
31. Lee, K.H., and Jose, S. 2006. Nitrogen mineralization in short rotation tree plantations along a soil nitrogen gradient. *Canadian Journal of Forest Research* 36:1236-1242.
30. Holzmueller E.J.\*, Jose, S., Jenkins, M.A., Camp, A., and Long, A.J. 2006. Dogwood anthracnose in eastern hardwood forests: What is known and what can be done? *Journal of Forestry* 104: 21-26.
29. Lee, K.H.\*, and Jose, S. 2005. Nitrate leaching in cottonwood and loblolly pine biomass plantations along a nitrogen fertilization gradient. *Agriculture, Ecosystems and Environment* 105: 615-623
28. Henderson D.E.\* and Jose S. 2005. Production physiology of three fast-growing hardwood species along a soil resource gradient. *Tree Physiology* 25:1487-1494
27. Allen, S.\*, Jose, S., Nair, P.K.R., Brecke, B.J., Nair, V.D., Graetz, D. and Ramsey, C.L. 2005. Nitrogen mineralization in a pecan (*Carya illinoensis* K. Koch)-cotton (*Gossypium hirsutum* L.) alley cropping system in the southern United States. *Biology and Fertility of Soil* 41: 28-37
26. Allen, S.\*, Jose, S., Nair, P.K.R., and Brecke, B.J. 2004. Competition for <sup>15</sup>N labeled nitrogen in a pecan-cotton alley cropping system in the southern United States. *Plant and Soil* 263: 151-164
25. Allen, S.\*, Jose, S., Nair, P.K.R., Brecke, B.J., Nkedi-Kizza, P. 2004. Safety net role of tree roots: Experimental evidence from an alley cropping system. *Forest Ecology and Management* 192:395-407 [Media Coverage: Press Release by University of Florida on August 11, 2004; News and interviews appeared in several newspapers (e.g.; The Okeechobee News, Southeast Farm Press) and science magazines (e.g. SeedQuest) in FL and elsewhere]

24. Ramsey, C.L.\*, and Jose, S. 2004. Growth, survival and physiological effects of Hexazinone and Sulfometuron methyl applied overtop of longleaf pine (*Pinus palustris* Mill.) seedlings. *Southern Journal of Applied Forestry* 28:48-54.
23. Wanvestraut, R.\*, Jose, S., Nair, P.K.R., and Brecke, B.J. 2004. Competition for water in a pecan-cotton alley cropping system in the southern United States. *Agroforestry Systems* 60:167-179.
22. Jose, S., Gillespie, A.R., and Pallardy S.G. 2004. Interspecific interactions in temperate agroforestry. *Agroforestry Systems* 61:237-255.
21. Lee, K.H.\* and Jose, S. 2003. Soil respiration, fine root production and microbial biomass in cottonwood and loblolly pine plantations along a soil nitrogen gradient. *Forest Ecology and Management* 185:263-273.
20. Lee, K.H.\* and Jose, S. 2003. Soil respiration and microbial biomass in a pecan-cotton alley cropping system in southern USA. *Agroforestry Systems* 58:45-54.
19. Jose, S., Merritt, S. \*, and Ramsey C.L.\* 2003. Growth, nutrition, photosynthesis and transpiration responses of longleaf pine seedlings (*Pinus palustris* Mill.) to light, water and nitrogen. *Forest Ecology and Management* 180:335-344 (Ranked 12th among the most downloaded 25 articles during 2003-2004 for Forest Ecology and Management)
18. Ramsey, C.L.\*, Jose, S., Cox, J., Miller, D.L., Shilling, D.G., Portier, K., and Merritt, S\*. 2003. Cogongrass [*Imperata cylindrica* (L.) Beauv.] response to herbicides and disking on a cutover site and in a mid-rotation pine plantation in southern USA. *Forest Ecology and Management* 179:195-207.
17. Ramsey C.L.\*, Jose, S., Brecke, B.J., and Merritt, S. 2003. Growth response of longleaf pine (*Pinus palustris* Mill.) seedlings to fertilization and herbaceous weed control in an old field in southern USA. *Forest Ecology and Management* 172:281-289.
16. Jose, S., Cox, J., Miller, D.L., and Shilling, D.G., Merritt, S.\* 2002. Alien plant invasions in southeastern forests. The story of cogongrass. *Journal of Forestry* 100: 41-44.
15. Jose, S., Gillespie, A.R., Seifert J.E., and Pope, P.E. 2001. Comparison of minirhizotron and soil core methods for quantifying root biomass in a temperate alley cropping system. *Agroforestry Systems* 52: 161-168.
14. Reich, P.B., Knops, J., Tilman, D., Cranine, J., Ellsworth, D., Tjoelker, M., Lee, T., Wedin, D., Naeem, S., Bahaudhin, D., Hendrey, G., Jose, S., Wrage, K., Goth, J., Bengston, W. 2001. Plant diversity enhances ecosystem responses to elevated CO<sub>2</sub> and nitrogen deposition. *Nature* 410: 809-812.
13. Linehan, P.E., Miller, D.L., and Jose, S. 2000. The development of an off-campus natural resource conservation program. *Journal of Forestry* 98: 24-29.
12. Gillespie, A.R., Jose S., Mengel, D.B., Hoover, W.L., Pope, P.E., Seifert J.R., Biehle, D.J., Stall, T., and Benjamin T. 2000. Defining competition vectors in a temperate alleycropping system in the midwestern USA: I. Production physiology. *Agroforestry Systems* 48:25-40.
11. Jose, S., Gillespie, A.R., Seifert J.R., and Biehle, D.J. 2000. Defining competition vectors in a temperate alleycropping system in the midwestern USA: II. Competition for water. *Agroforestry Systems* 48: 41-59.
10. Jose, S., Gillespie, A.R., Seifert J.E., and Pope, P.E. 2000. Defining competition vectors in a temperate alleycropping system in the midwestern USA: III. Competition for nitrogen and litter decomposition dynamics. *Agroforestry Systems* 48: 61-77
9. Jose, S., and Gillespie, A.R. 1998. Allelopathy in black walnut (*Juglans nigra* L.) alley cropping: I. Spatio-temporal variation in soil juglone in a black walnut-corn (*Zea mays* L.) alley cropping system. *Plant and Soil* 203:191-197
8. Jose, S., Gillespie, A.R. 1998. Allelopathy in black walnut (*Juglans nigra* L.) alley cropping: II. Effects of soil juglone on hydroponically grown corn (*Zea mays* L.) and soybean (*Glycine max* L. Merr) growth and physiology. *Plant and Soil* 203:199-205
7. Jose, S., and Gillespie, A.R. 1998. Compensatory mechanisms of Central Hardwood forest communities in a changing environment. *Plant Ecology* 135:125-134
6. Jose, S., and Gillespie, A.R. 1997. Leaf area-productivity relationships among mixed- species hardwood forest communities of the Central Hardwood Region. *Forest Science* 43: 56-64
5. Jose, S., and Gillespie, A.R. 1997. Assessment of ecological land type community characteristics for silvicultural diagnosis in the Central Hardwoods. *Northern Journal of Applied Forestry* 14: 72-77.
4. Jose, S., and Gillespie, A.R. 1996. Aboveground production efficiency and canopy nutrient dynamics of mixed-hardwood forest communities along a moisture gradient in the Central U.S. *Canadian Journal of Forest Research* 26:2214-2223.
3. Jose, S., Gillespie, A.R., George, S.J., and Kumar, B.M. 1996. Vegetation responses along edge-to-interior gradients in a high altitude tropical forest in Peninsular India. *Forest Ecology and Management* 87:51-62.

2. Jose, S., Sreepathy, A., Kumar, B.M., and Venugopal, V.K. 1994. Structural, floristic and edaphic attributes of the grassland-shola forests of Eravikulam in peninsular India. *Forest Ecology and Management* 65:279-291
1. Sudhakara, K; Jose, S; and Gopikumar, K. 1992. Importance of seedling quality in social forestry planting programs. *Yojana: Journal of Planning Commission, Govt. of India* 20 (10) : 25-27

#### **4. Proceedings:**

- Daneshgar, P. \*, Jose, S., Ramsey, C.L.\*, and Collins, A.\* 2006. Loblolly pine seedling response to competition from exotic vs. native plants. Pp. 50-52. Proceedings of the Thirteenth Biennial Southern Silvicultural Research Conference, Memphis, TN. USDA Forest Service Gen. Tech. Rep. SRS-92. Asheville, NC
- Holzmueller, E.\* Jose, S., and Jenkins, M.A. 2006. The effect of fire on flowering dogwood stand dynamics in Great Smoky Mountains National Park. Pp. 496-498. Proceedings of the Thirteenth Biennial Southern Silvicultural Research Conference, Memphis, TN. USDA Forest Service Gen. Tech. Rep. SRS-92. Asheville, NC
- Lee, K.H.\* and Jose, S. 2003. Belowground processes in cottonwood and loblolly pine plantations along a soil nitrogen gradient. Proceedings of the Twelfth Biennial Southern Silvicultural Research Conference, Biloxi, MS (in press).
- Ramsey C. L.\*, and Jose, S. 2003. Effects of Velpar and Oust on growth and survival of longleaf pine seedlings . Pp. 132-135. Longleaf pine: A southern legacy rising from the ashes. Proceedings of the fourth Longleaf Alliance Conference. Kush J.S. (ed.). Longleaf Alliance Report No. 6, Andalusia, AL.
- Jose, S., Ramsey C. L.\*, Shilling, D.G., Miller, D.L., and Merritt, S.\* 2002. Cogongrass (*Imperata cylindrica*) response to disking and herbicide treatments on cutover sites. Pp. 142-145. Proceedings of the Fourth International Conference on Vegetation Management. Frochot, H., Collet, C., and Balandier P. (eds). INRA, Nancy, France.
- Ramsey C. L.\*, and Jose, S. 2002. Management challenges of pecan and pine based alley cropping systems of the Southern United States. Pp. 158-163. Temperate Agroforestry: Adaptive and Mitigative Roles. Schroder W. and Kort, J. (eds). Plains and Prarie Forestry Association, Regina, Canada.
- Jose, S. and Merritt, S.\* 2001. Early growth response of longleaf pine seedlings to resource availability. Pp 143-145. Forests for our future: Restoration and management of longleaf pine ecosystems. Proceedings of the third Longleaf Alliance Conference. Kush, J.S. (ed). Longleaf Alliance Report No. 5., Andalusia, AL.
- Jose, S. and Gillespie, A.R. 1995. Microenvironmental and physiological basis for temporal reduction in crop production in an Indiana alley cropping system. pp. 54- 56. In *Growing A Sustainable Future*. Ehrenreich, J.H., Ehrenreich, D.L., and Lee, H.W (eds). University of Idaho, Moscow, ID.

#### **5. Research Reports:**

- Gebremedhin, M.\*, S. Jose, T. Martin, and T. White. 2003. Clonal variation in physiology and stable carbon isotope composition in response to severe drought in loblolly pine (*Pinus taeda* L.). Forest Biology Research Cooperative Report, 24: 26-32.
- Ruth, A. \*, Jose, S. and Miller, D.L. 2003. Effects of prescribed burning on Naval Live Oak area forest communities. Report prepared for the Gulf Islands National Seashore. West Florida Research and Education Center, Milton, FL 32583. 125 pp.
- Jose, S., and Ramsey, C.L.\* 2002. Controlling cogongrass in intensively managed pine plantations: 2nd year report. West Florida Research and Education Center, Milton, FL 32583. 36 pp.

- Ramsey, C.L.\*, Jose, S., Cox, J., Miller, D.L., Shilling, D.G., and Merritt, S\*. 2002. Cogongrass [*Imperata cylindrica* (L.) Beauv.] response to herbicides and disking on cutover sites. Forest Biology Research Cooperative Report, 21: 1-10.
- Jose, S. 2002. Cogongrass response to disking and herbicide treatments. Forest Biology Research Cooperative Report, 19: 60-65.
- Jose, S. 2000. Controlling cogongrass in intensively managed pine plantations: 1st year report. West Florida Research and Education Center, Milton, FL 32583. 14 pp.
- Gillespie, A.R., Nichols, D.N., and Jose, S. 1995. Assessment of agroforestry practices in the midwestern United States. Technical Report prepared for the U.S. Dept. of Agriculture National Agroforestry Center, Lincoln, Nebraska. 35 pp.

## **6. Bibliographies**

- Jose, S. Herbicide use in forestry: An annotated bibliography: Prepared for the Florida Division of Forestry herbicide symposium. February 22, 1999. Lake City, FL.

## **7. Abstracts**

- Jose, S. 2005. Impacts of the exotic invasive *Imperata cylindrica* on diversity and productivity of the southeastern U.S. ecosystems. *The International Forestry Review* 7:260
- Jose, S. 2005. Black walnut allelopathy: Implications for intercropping. *Proceedings of the 4th World Allelopathy Congress*. P. 562
- Jose, S. and Williams, R.A. 2005. Ecological interactions in mixed species plantations: The belowground story. *Book of Abstracts of the Workshop on Mixed Species Plantations*. P. 18
- Napolitano K.\* and Jose, S. 2005. Juglone alters the physiology and growth of hydroponically grown cotton and peanut. *Book of Abstracts of the 9th North American Agroforestry Conference*. P. 31
- Zamora, D.\*, Jose, S. Nair, P.K.R., and Ramsey C.L. 2005. Light distribution and production physiology of a pecan-cotton alley cropping system in southern U.S.A. *Book of Abstracts of the 9th North American Agroforestry Conference*. P. 28
- Daneshgar P.\*, Jose, S., Ramsey C., and Collins, A.R. 2004. Loblolly pine seedling response to competition from exotic vs. native vegetation. *Book of Abstracts of the 18th North American Forest Biology Workshop*, p. 68.
- Henderson, D.E.\*, and Jose, S. 2004. Production physiology of three fast growing hardwood species along a soil resource gradient. *Book of Abstracts of the 18th North American Forest Biology Workshop*, p. 76.
- Henderson, D.E.\*, and Jose, S. 2004. Leaf area-productivity relationships of three fast growing hardwood species across a supplied resource gradient. *Book of Abstracts of the 18th North American Forest Biology Workshop*, p. 75.
- Jose, S. 2004. *Imperata cylindrica* invasion of Southeastern forest ecosystems: Impacts on pine productivity. *Book of Abstracts of the Southeastern Exotic Pest Plant Council Meeting*, p. 11.
- Nair, V.D., Jose, S., Kalmbacher, R.S., Graetz, D.A., and Nair P.K.R. 2004. Reducing nutrient loss from Florida soils through agroforestry practices. *Book of abstracts pf the 1st World Congress of Agroforestry*. P. 194
- Zamora, D., and Jose, S. 2004. Root morphological plasticity in *Gossypium hirsutum* in response to competition. *Book of abstracts pf the 1st World Congress of Agroforestry*. P. 217
- Zamora, D., Jose, S., and Nair P.K.R. 2004. Light distribution and radiation use efficiency of a pecan-cotton alley cropping system in southern U.S.A. *Book of abstracts pf the 1st World Congress of Agroforestry*. P. 217

- Ramsey, C., and Jose, S. 2004. Water use efficiency of *Gossypium hirsutum* in response to competition in a temperate alley cropping system. Book of abstracts of the 1st World Congress of Agroforestry. P. 217
- Allen, S., Nair, V., Jose, S., and Graets, D. 2004. Tree-crop competition for nutrients in a pecan cotton agroforestry system in the southeastern U.S.A. Book of abstracts of the 1st World Congress of Agroforestry. P. 164
- Holzmueller E.\*, Jose, S., and Jenkins, M.A. 2004. Fire frequency alters flowering dogwood (*Cornus florida* L.) stand dynamics in the Great Smoky Mountains National Park. Book of Abstracts of the 15th Annual Southern Appalachian Man and Biosphere Research Conference. P.57
- Holzmueller E.\*, Jose, S., and Jenkins, M.A. 2003. Survival and health of dogwood (*Cornus florida* L.) in response to prescribed burning. Book of Abstracts of the Ecological Society of America Annual Meeting, p. 153.
- Jose S., and Lee, K.H.\* 2003. Fine root production and soil respiration dynamics in response to nitrogen fertilization in cottonwood (*Populus deltoids* Marsh.) and loblolly pine (*Pinus taeda* L.) plantations. Book of Abstracts of the Third International Conference on Dynamics and Physiological Processes in Woody Roots, p. 139.
- Jenkins, M.A., Jose, S., and White, P. 2003. *Cornus florida* response to soil chemical characteristics at the Great Smoky Mountains National Park. Book of Abstracts of the Ecological Society of America Annual Meeting, p. 167.
- Zamora, D.\*, and Jose, S. 2003. Aboveground competitive interactions and production physiology of a pecan (*Carya illinoensis*)-cotton (*Gossypium hirsutum*) alley cropping system in Northwest Florida. Book of Abstracts of the Eight North American Agroforestry Conference, p. 17.
- Ranasinghe, S.\*, Jose, S., and Ramsey, C.L.\* 2003. Longleaf pine survival and growth, and understory species dynamics following vegetation control on flatwoods sites. Longleaf pine: A southern legacy rising from the ashes. Proceedings of the fourth Longleaf Alliance Conference. Kush J.S. (ed.). Longleaf Alliance Report No. 6, Andalusia, AL, p. 136.
- Lee, K.H.\* and Jose, S. 2003. Soil respiration and microbial biomass responses to soil water and source of nitrogen in a pecan (*Carya illinoensis*)-cotton (*Gossypium hirsutum*) temperate alley cropping system. Book of Abstracts of the Eight North American Agroforestry Conference, p. 18.
- Allen, S.C.\*, Jose, S. and Nair, P.K.R., Brecke, B.J., and Ramsey, C.L. 2003. Competition for nitrogen in a temperate alley cropping system with pecan and cotton in the southern United States. Book of Abstracts of the Eight North American Agroforestry Conference, p. 18-19.
- Nowak, J., Osiecka, A., Hochmuth G., Lee, K.H.\*, and Jose, S. 2003. Nitrate leaching and tree growth following fertilization with diammonium phosphate (DAP) or poultry litter in two-year-old slash pine and loblolly pine plantations. Book of Abstracts of the Twelfth Biennial Southern Silvicultural Research Conference, p. 35.
- Lee, K.H.\* and Jose, S. 2003. Microbial biomass in *Populus deltoids* Marsh and *Pinus taeda* L. plantations along a nitrogen fertilization gradient. Ecosystems in Transition: Book of Abstracts of the Fourth North American Forest Ecology Workshop, p. 92.
- Lee, K.H.\* and Jose, S. 2003. Ground water nitrate dynamics in *Populus deltoids* Marsh and *Pinus taeda* L. plantations along a nitrogen fertilization gradient. Ecosystems in Transition: Book of Abstracts of the Fourth North American Forest Ecology Workshop, p. 215.
- Lee, K.H.\* and Jose, S. 2003. Soil respiration, fine root production and microbial biomass in cottonwood and loblolly pine plantations along a fertilization gradient. Book of Abstracts of the Twelfth Biennial Southern Silvicultural Research Conference, p. 38.
- Ranasinghe, S\*., Jose, S., and Ramsey, C.L.\* 2003. Longleaf pine restoration on flatwoods sites. Book of Abstracts of the Twelfth Biennial Southern Silvicultural Research Conference, p. 54.
- Ruth, A. \*, Jose, S., and Miller, D.L. 2003. Characterization of longleaf pine communities and effects of burning at the Naval Live Oak. Book of Abstracts of the Twelfth Biennial Southern Silvicultural Research Conference, p. 55.

- Henderson, D.\*, and Jose, S. 2003. Nutrient and water use efficiencies of cottonwood and loblolly pine plantations along a fertilization gradient. Book of Abstracts of the Twelfth Biennial Southern Silvicultural Research Conference, p. 39.
- Gebremedhin, M.\*, Jose, S., Martin, T.A., and White, T.L. 2003. Physiological and morphological variations in drought response among clones of *Pinus taeda* L. Book of Abstracts of the Twelfth Biennial Southern Silvicultural Research Conference, p. 49.
- Ramsey, C.L.\*, and Jose, S. 2003. Longleaf pine seedling responses to seaweed extracts, soil moisture retention polymers, and herbaceous weed control. Book of Abstracts of the Twelfth Biennial Southern Silvicultural Research Conference, p. 29.
- Ruth, A. \*, Jose, S., and Miller, D.L. 2003. Characterization of longleaf pine communities: Implications for ecosystem restoration. Book of Abstracts of the Fourth Agro-ecology Conference: Ecosystem restoration and stewardship, p. 66.
- Ramsey, C.L.\*, Jose, S., and Brecke, B.J. 2002. Growth, survival and physiological effects of Velpar DF or Oust applied overtop of first year longleaf pine seedlings. Book of Abstracts of the Fourth Longleaf Alliance Meeting, p. 45.
- Ranasinghe, S\*., Jose, S., and Ramsey, C.L.\* 2002. Longleaf pine survival, growth and understory dynamics following vegetation control on flatwoods. Book of Abstracts of the Fourth Longleaf Alliance Meeting, p. 46.
- Ruth A., Jose, S. and Miller, D.L. 2002. Restoration of pine flatwoods and sandhill habitats through the use of prescribed fire at Naval Live Oaks of the Gulf Islands National Seashore. Book of Abstracts of the Ecological Society of America Annual Meeting, p. 252.
- Ramsey, C.L.\*, Jose, S., and Brecke, B.J. 2002. Longleaf pine seedling response to Oust, Velpar and Arsenal: Effects on net photosynthesis and root collar diameter. Proceedings of the Southern Weed Science Society Meeting, p. 98-99.
- Henderson D.\*, and Jose, S. 2002. Leaf area-productivity relationships in three fast growing hardwood plantations along a fertigation gradient. Book of Abstracts of the Ecological Society of America Annual Meeting, p. 155.
- Allen, S.C.\*, Jose, S. and Nair, P.K.R. 2001. Groundwater nitrogen dynamics in a temperate alley cropping system with Pecan (*Carya illinoensis*) and cotton (*Gossypium* sp.). Proceedings of the Seventh North American Agroforestry Conference, p. 145.
- Lee, K.H.\* and Jose, S. 2001. Comparison of soil respiration and microbial biomass in temperate alley cropping and monocultural cropping systems. Proceedings of the Seventh North American Agroforestry Conference, p. 323.
- Reich, P. B., Tilman, D., Knops, J., Craine J., Naeem, S. Ellsworth, D., Tjoelker M., Jose, S., Bahuadhin, D. and Wrage, K. 1999. Year one results of BioCON: A long-term field experiment assessing the interactive effects of biodiversity, CO<sub>2</sub> and N on the functioning of grassland ecosystems. *Bulletin of the Ecological Society of America* 80:172.
- Jose, S., and Linehan, P.E., 1999. Developing a pecan based alley cropping system for northwest Florida. Book of Abstracts of the Seventh North American Agroforestry Conference, p. 35.
- Jose, S., and Gillespie, A.R., 1999. Studying root distribution patterns in a black walnut-corn alley cropping system using a minirhizotron. Book of Abstracts of the Seventh North American Agroforestry Conference, p. 49-50.
- Jose, S., and Gillespie, A.R. 1997. Compensatory mechanisms of Central hardwood forest communities in a changing environment. Proceedings of the Eleventh Central Hardwood Forest Conference. USDA General Technical Report N-188, p.385.
- Jose, S. and Gillespie, A.R. 1995. Environmental influence on the growth efficiency-leaf area relationships of the Central Hardwood forest communities. *Bulletin of the Ecological Society of America* 76: 134.

\* Graduate student or Post-doctoral scientist under my direct supervision

## **8. Miscellaneous**

- Jose, S. 2005. Seven hurricanes and the southeastern forests: An educational opportunity. Editorial commentary. *Journal of Forestry* 103: 327-327.
- Jose, S. 2003. Diversity: What does it mean to Society of American Foresters? Perspective. *Journal of Forestry* 101:60-60.
- Ruth A.\*, Jose, S., and Miller, D.L. 2003. Characterization of the vegetative communities and effects of burning at Naval Live Oaks: A guide for the National Park Service prescribed burn plans. *Society for Ecological Restoration News Letter* 3:6-6.
- Jose, S. 2002. An appeal to our readers, contributors, reviewers and co-editors. Letter to the editor. *Agroforestry Systems* 54: 3-3.

## **Professional Presentations**

### ***International***

- Jose, S., Holzmueller, E., and Jenkins, M.A. 2006. Can prescribed fire save dogwood from anthracnose? 3<sup>rd</sup> International Fire Ecology and Management Congress, November 12-15; San Diego, CA
- Comerford, N.B., Cropper, W., Grierson, P.F., Araujo, Q., Jose S. 2006. Modeling P bioavailability and uptake in agroforestry systems. 4<sup>th</sup> Brazilian Agroforestry Congress, October 5-11, Brazil
- Jose, S. 2005. Impacts of the exotic invasive *Imperata cylindrica* on diversity and productivity of the southeastern U.S. ecosystems. XXII World Forestry Congress, August 6-13, Brisbane, Australia (Invited) (Session Co-Chair at this Conference)
- Jose, S. 2005. Black walnut allelopathy: Implications for intercropping. 4th World Allelopathy Congress, August 21-16, Wagga Wagga, Australia (Invited).
- Jose, S. and Williams, R.A. 2005. Ecological interactions in mixed species plantations: The belowground story. Workshop on Mixed Species Plantations. August 4-6, Ballina Beach Resort, Ballina, Australia, (Invited).
- Napolitano K.\* and Jose, S. 2005. Juglone alters the physiology and growth of hydroponically grown cotton and peanut. 9th North American Agroforestry Conference, June 12-15, Rochester, MN (moderator at this conference)
- Zamora, D., Jose, S. Nair, P.K.R., and Ramsey C.L. 2005. Light distribution and production physiology of a pecan-cotton alley cropping system in southern U.S.A. 9th North American Agroforestry Conference, June 12-15, Rochester, MN (moderator at this conference)
- Jose, S. 2004. Interspecific interactions: Principles and applications in forestry and agroforestry. Department of Renewable Resources Seminar, University of Alberta, Edmonton, October 5, Alberta, Canada. (Invited).
- Nair, P.K.R., Bannister, M.E., Nair, V.D., Alavalapati, J.R.R., Ellis, E., Jose, S., and Long A.J. 2004. Silvopasture in southeastern United States: More than just a new name for an old practice. International Congress on Silvopastoralism and Sustainable Management. April 18-24. Lugo, Spain (Keynote speech given by P.K. Nair)
- Daneshgar P.\*, Jose, S., Ramsey C., and Collins, A.R. 2004. Loblolly pine seedling response to competition from exotic vs. native vegetation. 18th North American Forest Biology Workshop. July 12-15. Houghton, Michigan.
- Henderson, D.E.\*, and Jose, S. 2004. Production physiology of three fast growing hardwood species along a soil resource gradient. 18th North American Forest Biology Workshop. July 12-15. Houghton, MI.
- Henderson, D.E.\*, and Jose, S. 2004. Leaf area-productivity relationships of three fast growing hardwood species across a supplied resource gradient. 18th North American Forest Biology Workshop. July 12-15. Houghton, Michigan.

- Nair, V.D., Jose, S., Kalmbacher, R.S., Graetz, D.A., and Nair P.K.R. 2004. Reducing nutrient loss from Florida soils through agroforestry practices. 1st World Congress of Agroforestry. June 27-July 2. Orlando, FL (organizing committee member and moderator at this conference)
- Zamora, D., and Jose, S. 2004. Root morphological plasticity in *Gossypium hirsutum* in response to competition. 1st World Congress of Agroforestry. June 27-July 2. Orlando, FL
- Zamora, D., Jose, S., and Nair P.K.R. 2004. Light distribution and radiation use efficiency of a pecan-cotton alley cropping system in southern U.S.A. 1st World Congress of Agroforestry. June 27-July 2. Orlando, FL
- Ramsey, C., and Jose, S. 2004. Water use efficiency of *Gossypium hirsutum* in response to competition in a temperate alley cropping system. 1st World Congress of Agroforestry. June 27-July 2. Orlando, FL
- Jose S., and Lee, K.H.\* 2003. Fine root production and soil respiration dynamics in response to nitrogen fertilization in cottonwood (*Populus deltoids* Marsh.) and loblolly pine (*Pinus taeda* L.) plantations. Third International Conference on Dynamics and Physiological Processes in Woody Roots. September 29-October 2, Perth, Australia (moderator at this conference)
- Jose, S. 2003. Tree-crop interactions in temperate alley cropping: Ecological principles and evaluation techniques. Ecology Seminar Series, School of Environmental Science and Management, Southern Cross University, October 3, Lismore, NSW, Australia (invited).
- Holzmueller, E.\*, Jose, S., and Jenkins, M.A. 2003. Prescribed burning: Key to anthracnose control in dogwood (*Cornus florida* L.)? Second International Wildland Fire Ecology and Fire Management Congress, November 16-20, Orlando, Florida.
- Lee, K.H.\* and Jose, S. 2003. Soil respiration and microbial biomass responses to soil water and nitrogen source in a pecan-cotton temperate alley cropping system. Eight North American Agroforestry Conference, June 22-25, Corvallis, Oregon. (moderator at this conference)
- Ramsey, C.L.\*, Jose, S., and Brecke, B.J. 2003. Recovery of *Imperata cylindrica* following imzapyr and tricolpyr applications on cutover sites. Seventh International Conference on the Ecology and Management of Alien Plant Invasions, November 3-7, Ft. Lauderdale, Florida.
- Holzmueller, E.\*, Jose, S., and Jenkins, M.A. 2003. Ecological impacts of dogwood anthracnose in the Great Smoky Mountain National Park. Seventh International Conference on the Ecology and Management of Alien Plant Invasions, November 3-7, Ft. Lauderdale, Florida.
- Lee, K.H.\* and Jose, S. 2003. Microbial biomass in cottonwood (*Populus deltoids* Marsh.) and loblolly pine (*Pinus taeda* L.) plantations along a nitrogen fertilization gradient. Fourth North American Forest Ecology Workshop, June 16-21, Corvallis, Oregon.
- Lee, K.H.\* and Jose, S. 2003. Ground water nitrate dynamics in cottonwood (*Populus deltoids* Marsh.) and loblolly pine (*Pinus taeda* L.) plantations along a nitrogen fertilization gradient. Fourth North American Forest Ecology Workshop, June 16-21, Corvallis, Oregon.
- Zamora, D.\* and Jose, S. 2003. Competition for light between pecan and cotton in a pecan-cotton temperate alley cropping system. Eight North American Agroforestry Conference, June 22-25, Corvallis, Oregon.
- Allen, S.C.\*, Jose, S., Nair, P.K.R., Nair, V.D., Graetz, D. 2003. Competition for nitrogen in a temperate alley cropping system with pecan and cotton. Eight North American Agroforestry Conference, June 22-25, Corvallis, Oregon.
- Ruth, A.\*, Jose, S., and Miller D.L. 2002. Restoration of pine flatwoods and sandhills through the use of prescribed fire. 14th Annual International Conference of the Society for Ecological Restoration, August 7-9, Tucson, AZ.
- Jose, S. and Ramsey C. L.\*, 2002. Cogongrass (*Imperata cylindrica*) response to disking and herbicide treatments on cutover sites. Fourth International Conference on Vegetation Management, June 17-21, Nancy, France.
- Allen, S.C.\*, Jose, S. and Nair, P.K.R. 2001. Groundwater nitrogen dynamics in a temperate alley cropping system with Pecan (*Carya illinoensis*) and cotton (*Gossypium* sp.). Seventh North American Agroforestry Conference, August 12-17, Regina, Saskatchewan, Canada.

- Lee, K.H.\* and Jose, S. 2001. Comparison of soil respiration and microbial biomass in temperate alley cropping and monocultural cropping systems. Seventh North American Agroforestry Conference, August 12-17, Regina, Saskatchewan, Canada.
- Ramsey, C.\* and Jose, S. 2001. Management challenges of temperate alley cropping systems: Lessons from a pecan (*Carya illinoensis*) - cotton (*Gossypium* sp.) alley cropping system in the southern U.S.A. Seventh North American Agroforestry Conference, August 12-17, Regina, Saskatchewan, Canada.
- Jose, S. 2001. Ecological dynamics along edge-to-interior gradients in a high altitude tropical forest. Association for Tropical Biology International Conference, July 13-18, Bangalore, India.
- Jose, S. 1999. Studying root distribution patterns in an alley cropping system using minirhizotron. Sixth North American Agroforestry Conference, June, 12-17, Hot Springs, AR.
- Jose, S. and Linehan P.E. 1999. Developing pecan based alley cropping systems for northwest Florida. Sixth North American Agroforestry Conference, June, 12-17, Hot Springs, AR.
- Gillespie, A.R., Benjamin, T. and Jose, S. 1997. Homegardens in North America: From agroforestry to agriculture. Fifth North American Agroforestry Conference, August 3-6, Ithaca, New York.
- Jose, S., and Gillespie, A.R. 1996. Synergistic and competitive interactions in alley cropping: Lessons from temperate systems involving fine hardwoods and corn. International Conference on Resource Inventory Techniques to Support Agroforestry and Environment Activities, IUFRO S4.02.01, October 1-3, 1996, Chandigarh, India. (Keynote speech given by S. Jose in a plenary session)
- Jose, S. and Gillespie, A.R. 1995. Microenvironmental and physiological basis for temporal reduction in crop production in an Indiana alley cropping system. Presented at the Fourth North American Agroforestry Conference, July 23-26, Boise, Idaho.

### *National*

- Jose, S. and Barden C. 2005. Agroforestry options for small landowners. Society of American Foresters National Convention, October 19-24, Fort Worth, TX (Session organizer and moderator at this conference)
- Jose S. 2005. Publishing newsletters: The easy way. Society of American Foresters National Convention, October 19-24, Fort Worth, TX (invited)
- Collins, A.R.\* and Jose, S. 2005. Elton's hypothesis revisited: *Imperata cylindrica* invasion in response to groundcover diversity in southeastern forest ecosystems. Weed Science Society of America Annual Meeting, February 5-9, Honolulu, Hawaii.
- Nowak, J., Osiecka, A., Hochumuth G., Jose, S., Graetz D.A., Zwanka, W., and Wright D.L. 2004. Nitrate nitrogen leaching and tree growth after mid-rotation Slash pine fertilization with mineral fertilizer or poultry litter on sandy soil in north Florida. ASA-CSSA-SSSA Annual Meeting. November 1-4, Seattle, WA.
- Osiecka, A., Nowak, J., Hochumuth G., Lee, K.H.\*, Jose, S., and Wright D.L. 2004. Effects of poultry litter and mineral fertilizer on young slash pine growth and nitrate leaching in sandy soil. ASA-CSSA-SSSA Annual Meeting. November 1-4, Seattle, WA.
- Collins, A.R.\* and Jose, S. 2004. Elton's hypothesis revisited: *Imperata cylindrica* invasion in response to groundcover diversity in southeastern forest ecosystems. Ecological Society of America Annual Meeting, August 1-6. Portland, OR.
- McCaskill, G.\*, and Jose, S. 2004. Monitoring and evaluation of longleaf pine ecosystem restoration in the Gulf Coastal Plain of the southern United States. First National Conference on Ecosystem Restoration, December 6-10, Orlando, FL.
- Jose, S. 2003. Diversity: What does it mean to Society of American Foresters? Society of American Foresters National Convention, October 25-30, Buffalo, New York (invited)

- Allen, S.\* , Jose, S., Nair, P.K.R., Nair, V.D., Graetz, D., and Ramsey, C.L. 2003. Nitrogen mineralization in a temperate alley cropping system in the southern United States. ASA-CSSA-SSSA Annual Meeting, November 2-6, Denver, CO.
- Allen, S.\* , Jose, S., Nair, P.K.R., Brecke, B.J, and Ramsey, C.L. 2003. Experimental evidence for the safety-net hypothesis from a temperate alley cropping system. ASA-CSSA-SSSA Annual Meeting, November 2-6, Denver, CO.
- Holzmueller E.\* , Jose, S., and Jenkins, M.A. 2003. Survival and health of dogwood (*Cornus florida* L.) in response to prescribed burning. Ecological Society of America Annual Meeting, August 3-8, Savannah, GA (News coverage and interviews with the authors appeared in “Gainesville Sun”, “Environmental News Service”-an International Daily Newswire, NPR, and AAAS’s “EurekaAlert”, among others).
- Jenkins, M.A., Jose, S., and White, P. 2003. *Cornus florida* response to soil chemical characteristics at the Great Smoky Mountains National Park. Ecological Society of America Annual Meeting, August 3-8, Savannah, GA.
- Henderson, D. \* , and Jose S. 2002. Leaf area-productivity relationships in three fast growing hardwood plantations along a fertigation gradient. Ecological Society of America Annual Meeting, August 4-9, Tucson, AZ.
- Lee, K.H.\* and Jose, S. 2002. Nitrogen mineralization along a fertilization gradient in hardwood plantations. ASA-CSSA-SSSA Annual Meeting, November 10-14, Indianapolis, IN
- Lee, K.H.\* and Jose, S. 2002. Soil respiration and microbial biomass in a pecan-cotton temperate alley cropping system. ASA-CSSA-SSSA Annual Meeting, November 10-14, Indianapolis, IN
- Allen, S.C.\* , Jose, S., and Nair P.K.R. 2002. Groundwater nitrogen dynamics in a temperate alley cropping system with pecan and cotton. ASA-CSSA-SSSA Annual Meeting, November 10-14, Indianapolis, IN
- Wanvestrout, R.\* Jose, S. and Nair, P.K.R. 2002. Competition for water in a pecan-cotton alley cropping system in southern U.S.A. ASA-CSSA-SSSA Annual Meeting, November 10-14, Indianapolis, IN
- Reich, P. B., Tilman, D., Knops, J., Craine J., Naeem, S. Ellsworth, D., Tjoelker M., Jose, S., Bahuadhin, D. and Wrage, K. 1999. Year one results of BioCON: A long-term field experiment assessing the interactive effects of biodiversity, CO<sub>2</sub> and N on the functioning of grassland ecosystems. Ecological Society of America Annual Meeting, August 6-9, Spokane, WA.
- Gillespie, A.R., Jose, S., Stall, T., Biehle, D.J., Mengel, D.B., and Seifert, J.R. 1996. Agroforestry Interactions: The competition and synergisms in eleven years of walnut/red oak/corn alley cropping trials in Indiana. Society of American Foresters Annual Convention, November 4-8, Albuquerque, New Mexico.
- Jose, S., Benjamin, T., Stall, T., Gillespie, A.R., Hoover, W.L., Mengel, D.B., Seifert, J.R., and Biehle, D.J. 1996. The biology and economics of a black walnut-corn alley cropping system. Fifth Black Walnut Council Symposium, July 27-31, Springfield, Missouri.
- Jose, S., Gillespie, A.R., Mengel, D.B., Pope, P.E., and Rodkey, K.S. 1996. Allelopathy in agroforestry: Quantification of soil juglone and its influence on corn growth and physiology. Soil Science Society of America Annual Meeting, November 3-5, Indianapolis, Indiana.
- Jose, S. and Gillespie, A.R. 1995. Environmental influence on the growth efficiency-leaf area relationships of the Central Hardwood forest communities. Ecological Society of America Annual Meeting, July 29-August 3, Snowbird, Utah.
- Jose, S. and Gillespie A.R. 1993. Assessment of ecological land type community characteristics for silvicultural diagnosis in the Hoosier National Forest. Society of American foresters National Convention, November 7-11, Indianapolis, Indiana, USA

## ***Regional***

- Ramsey C.L., S. Jose, D. Zamora and P. Daneshgar. 2006. Cogongrass control with Chopper and GlyPro Plus when combined with Silwet L-77 and MSO Concentrate. 59th Annual meeting of Southern Weed Science Society. January 23-26, San Antonio, TX.
- Jose S. 2005. Role of vegetation management in longleaf pine flatwoods restoration. The Nature Conservancy Symposium on Herbicides and Longleaf pine Restoration. J. Joseph W. Jones Ecological Research Center, September 26-27, Newton, GA (invited)
- Collins, A.R.\* and Jose, S. 2005. Elton's hypothesis revisited: *Imperata cylindrica* invasion in response to groundcover diversity in southeastern forest ecosystems. Florida Department of Environmental Protection Annual Meeting. March 23, Gainesville, FL (invited).
- Jose. S. 2005. Longleaf pine restoration and invasive plants: Current status and future directions. School of Natural Resources and the Environment, University of Florida, April 12, Gainesville, FL (invited).
- Alavalapati, J., Matta, J. and Jose, S. 2005. Economic analysis of cogongrass invasion. A case study from Florida. Invasive Species Workshop, University of Hawaii, April 5-7, Hawaii (invited).
- Daneshgar, P.\* Jose, S., Ramsey C.L.\*, and Collins, R.\* 2005. Loblolly pine seedling response to competition from exotic vs. native plants. 13th Biennial Southern Silvicultural Research Conference, Feb 28-March 4, Memphis, TN
- Holzmueller E.\*, Jose, S., and Jenkins, M.A. 2005. The effect of fire frequency on flowering dogwood (*Cornus florida* L.) stand dynamics in the Great Smoky Mountains National Park. 13th Biennial Southern Silvicultural Research Conference, Feb 28-March 4, Memphis, TN (News coverage and interviews with the authors appeared in "The Boston Globe", "Knoxville News Sentinel", "Greenwich Time", "Hendersonville News", "The Herald Sun" and "The Charlotte Observer" among others).
- Collins, A.R.\* and Jose, S. 2005. Elton's hypothesis revisited: *Imperata cylindrica* invasion in response to groundcover diversity in southeastern forest ecosystems. UF-IFAS Graduate Research Symposium, March 10, Gainesville, FL.
- Nowak, J., Osiecka, A., Hochmuth, G. and Jose, S. 2005. Effects of mineral and poultry litter fertilization on soil nitrate-nitrogen leaching, tree growth, and pine straw production in an 11-year-old slash pine plantation growing on sandy soil in north Florida. 13th Biennial Southern Silvicultural Research Conference, Feb 28-March 4, Memphis, TN
1. Ramsey, C.L.\* , Jose, S., and Brecke, B. J. 2005. Competitive effects of cogongrass on loblolly pine seedlings; second year results. 58th Annual meeting of Southern Weed Science Society. January 24-26, Charlotte, NC
- Ramsey, C.L.\* , and Jose, S. 2005. Bareroot and containerized longleaf pine responses to herbaceous weed control and Stimupro applications. 58th Annual meeting of Southern Weed Science Society. January 24-26, Charlotte, NC
- Jose, S. 2004. Alien plant invasions: Sustainability of southern forest ecosystems. College of Agricultural and Life Sciences and Gamma Sigma Delta Honor Society of Agriculture, University of Florida. November 30, Gainesville, FL. (invited)
- Jose, S., Miller, J.M, and Moorhead, D. 2004. Invasive plants and understory restoration in longleaf pine ecosystems. Tri-state understory restoration conference. Quincy, FL (invited)
- Holzmueller E.\*, Jose, S., and Jenkins, M.A. 2004. Fire frequency alters flowering dogwood (*Cornus florida* L.) stand dynamics in the Great Smoky Mountains National Park. 15th Annual Southern Appalachian Man and Biosphere Research Conference, November 16-18, Gatlinburg, TN (invited)
- Jose, S. 2004. *Imperata cylindrica* invasion of southern forest ecosystems: Impacts on pine plantation productivity. Florida Forestry Association Annual Meeting, December 15-17, San Destin, FL. (invited)
- McCaskill, G. L.\* and Jose, S. 2004. Evaluation and monitoring of longleaf pine restoration of the lower Gulf Coastal Plain. Fifth Longleaf Alliance Regional Conference, October 12-15, Hattiesburg, MS

- Jose, S. and Ranasinghe, S.\* 2004. Site preparation and understory species response: Lessons from a longleaf pine restoration site. Fifth Longleaf Alliance Regional Conference, October 12-15, Hattiesburg, MS
- Jose, S., Ramsey, C.L.\*, Collins, R.\*, and Daneshgar, P\*. 2004. *Imperata cylindrica* invasion of southeastern forests: impacts on pine productivity. Southeastern Exotic Pest Plant Council Conference, April 27-30, Pensacola, FL.
- Ramsey, C.L.\*, Jose, S., and Brecke, B.J. 2004. Herbaceous weed control for loblolly and longleaf seedlings using activated charcoal and hexazinone and imazapyr. Southern Weed Science Society Annual Meeting. January 26-28, Memphis, TN.
- Ramsey, C.L.\*, Jose, S., Daneshgar, P., Collins, R., and Brecke, B.J. 2004. Recovery of cogongrass after site preparation with imazapyr and triclopyr in a cutover site in northwestern Florida. Southern Weed Science Society Annual Meeting. January 26-28, Memphis, TN.
- Jose, S. 2003. Forest carbon sequestration. Southeastern Society of American Foresters Annual Meeting, October 5-8, Mobile, AL (invited).
- Nowak, J., Osiecka, A., Hochmuth G., Lee, K.\*, and Jose, S. 2003. Nitrate leaching and tree growth following fertilization with diammonium phosphate (DAP) or poultry litter in two-year-old slash pine and loblolly pine plantations. Twelfth Biennial Southern Silvicultural Research Conference, February 24-28, Biloxi, MS.
- Ruth, A. \*, Jose, S., and Miller, D.L. 2003. Characterization of longleaf pine communities: Implications for ecosystem restoration. Fourth Agro-ecology Conference: Ecosystem restoration and stewardship. January 14-17, St. Augustine, FL.
- Lee, K.H.\* and Jose, S. 2003. Soil respiration, fine root production and microbial biomass in cottonwood and loblolly pine plantations along a fertilization gradient. Twelfth Biennial Southern Silvicultural Research Conference, February 24-28, Biloxi, MS.
- Ranasinghe, S\*., Jose, S., and Ramsey, C.L.\* 2003. Longleaf pine restoration on flatwoods sites. Twelfth Biennial Southern Silvicultural Research Conference, February 24-28, Biloxi, MS.
- Henderson, D.\*, and Jose, S. 2003. Nutrient and water use efficiencies of cottonwood and loblolly pine plantations along a fertilization gradient. Twelfth Biennial Southern Silvicultural Research Conference, February 24-28, Biloxi, MS.
- Gebremedhin, M.\*, Jose, S., Martin, T.A., and White, T.L. 2003. Physiological and morphological variations in drought response among clones of *Pinus taeda* L. Twelfth Biennial Southern Silvicultural Research Conference, February 24-28, Biloxi, MS.
- Ramsey, C.L.\*, and Jose, S. 2003. Longleaf pine seedling responses to seaweed extracts, soil moisture retention polymers, and herbaceous weed control. Twelfth Biennial Southern Silvicultural Research Conference, February 24-28, Biloxi, MS.
- Jose, S., and Ramsey, C.L. 2003. Invasive species management in southern forests. Society of American Foresters-Panhandle Chapter Meeting, March 28, Crestview, FL (invited)
- Ramsey, C.L.\*, and Jose, S. 2003. Effects of Velpar and Sodium Carbonate on soil moisture and loblolly pine growth. Southern Weed Science Society Meeting, January 27-29, Houston, TX.
- Ramsey, C.L.\*, and Jose, S. 2003. Use of Terrasorb and seaweed extracts for improving loblolly pine growth. Southern Weed Science Society Meeting, January 27-29, Houston, TX.
- Jose, S., and Ramsey, C.L. 2003. Invasive species management in southern forests. Tri-State Natural Resource Training Workshop, University of Georgia-Coop Extension, February 18, Bainbridge, GA (invited)
- Ramsey, C.L.\*, Jose, S., and Brecke, B.J. 2002. Growth, survival and physiological effects of Velpar DF or Oust applied otop of first year longleaf pine seedlings. Fourth Longleaf Alliance Meeting, November 17-20, Southern Pines, NC.
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- Jose, S. 2002. Forest stands density management. Forestry Stewardship Workshop. June 25, Jackson County Extension Office, Marianna, FL (invited)

- Ranasinghe, S\*, Jose, S., and Ramsey, C.L\* 2002. Longleaf pine survival, growth and understory dynamics following vegetation control on flatwoods. Fourth Longleaf Alliance Meeting, November 17-20, Southern Pines, NC.
- Jose, S., and Ramsey, C.L. 2002. Cogongrass control in natural and planted forests. Longleaf Alliance/FL DOF training workshop. April 16, Brooksville, FL. (invited)
- Ruth, A\*, Jose, S., and Miller D.L. 2002. Restoration of pine flatwoods and sandhills through the use of prescribed fire. Society for Ecological Restoration - Coastal Plain Chapter Annual Meeting, February 19-21, Pensacola, FL.
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- Jose, S., and Gillespie, A.R. 1997. Compensatory mechanisms of Central Hardwood forest communities in a changing environment. 11th Central Hardwood Forest Conference, March 23-25, Columbia, Missouri.

\* Graduate student or Post-doctoral scientist under my direct supervision