

## PROFESSIONAL VITAE

### **George Andrew Stainback**

Department of Forestry  
University of Kentucky  
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### **ACADEMIC BACKGROUND**

#### **Doctor of Jurisprudence (J.D.), May 2006 *Florida State University***

Honors: Awarded the Deborah K. Kearney Jurisprudence Book Award for Academic Excellence

#### **Doctor of Philosophy (Ph.D.) in Forest Resources and Conservation, December 2002 *University of Florida***

**Specialization:** Natural Resource Economics and Policy

**Advisor:** Dr. Janaki Alavalapati

**Dissertation:** Economics of Forest Carbon Sequestration in the Southeastern U.S.

Honors: Selected as the 2002 School of Forest Resources and Conservation Outstanding Dissertation

#### **Master of Science (M.S.) in Resource Conservation, July 1998 *University of Montana***

**Specialization:** Resource Policy and Economics

**Advisor:** Dr. David Jackson

#### **Bachelor of Science (B.S.) in Biochemistry, May 1995 *Virginia Tech***

**Minors:** Biology and Chemistry

Honors: cum laude

### **WORK EXPERIENCE**

Assistant Professor of Forest and Natural Resource Policy, University of Kentucky. July 2009-Present.

Assistant Professor of Environmental Science, State University of New York Plattsburgh. August 2007-May 2009.

Visiting Assistant Professor of Economics, Georgia Southwestern State University. August 2006-May 2007.

Paid consultant: School of Forest Resources and Conservation, University of Florida. March 2005.

Paid consultant: Wildlife Conservation Society. Rwanda. July-August 2004.

Post Doctoral Fellow: Natural Resource Economics. University of Florida. August 2002-May 2003.

## **PUBLICATIONS**

### **Refereed Publications (19)**

\* Indicates graduate student advisee

K.C.\* B., Stainback, G. A., & Chhetri, B. B. K. 2014. Community users' and experts' perspective on community forestry in Nepal: a SWOT-AHP analysis. *Forests, Trees and Livelihoods*, 1-15.

Catron\*, J. F., Stainback, G. A., Lhotka, J. M., Stringer, J., & Hu, L. 2013. Financial and management implications of producing bioenergy in upland oak stands in Kentucky. *Northern Journal of Applied Forestry*, 30(4), 164-169.

K.C.\* B., & Stainback, G. A. 2013. Financial analysis of chir pine plantations for carbon offsets, timber and resin in Nepal. *Banko Janakari*, 22(2), 3-10.

Leitch, Z. J., Lhotka, J. M., Stainback, G. A., & Stringer, J. W. 2013. Private landowner intent to supply woody feedstock for bioenergy production. *Biomass and Bioenergy*, 56(0), 127-136.

Catron\*, J., Stainback, G. A., Dwivedi, P., & Lhotka, J. M. 2013. Bioenergy development in Kentucky: A SWOT-ANP analysis. *Forest Policy and Economics*, 28(0), 38-43.

Dwivedi, P., Bailis, R., Stainback, A., & Carter, D. R. 2012. Impact of payments for carbon sequestered in wood products and avoided carbon emissions on the profitability of NIPF landowners in the US South. *Ecological Economics*, 78(0), 63-69.

Stainback, G., Masozera, M., Mukuralinda, A., & Dwivedi, P. 2012. Smallholder Agroforestry in Rwanda: A SWOT-AHP Analysis. *Small-scale Forestry*, 11(3): 285-300.

Stainback, G. A., & Masozera, M. 2010. Payment for ecosystem services and poverty reduction in Rwanda. *Journal of Sustainable Development in Africa*, 12(3), 122-139.

Dwivedi, P., Alavalapati, J. R. R., Susaeta, A., & Stainback, A. 2009. Impact of carbon value on the profitability of slash pine plantations in the southern United States: an integrated life cycle and Faustmann analysis. *Canadian Journal of Forest Research*, 39(5), 990-1000.

Matta, J. R., Alavalapati, J. R. R., & Stainback, G. A. 2009. Effect of conserving habitat for biodiversity on optimal management of non-industrial private forests in Florida. *Journal of Forest Economics*, 15(4), 223-235.

Alavalapati, J. R. R., Jose, S., Stainback, G. A., Matta, J. R., & Carter, D. 2007. Economics of cogongrass control in slash pine forests. *Journal of Agricultural and Applied Economics*, 39, 61-68.

Alavalapati, J. R. R., Stainback, G. A., & Matta, J. R. 2006. Longleaf pine restoration. The Longleaf Pine Ecosystem. In S. Jose, E. J. Jokela & D. L. Miller (Eds.), (pp. 403-412): Springer New York.

Stainback, G. A., & Alavalapati, Janaki, R. R. 2005. Effects of carbon markets on the optimal management of slash pine (*Pinus elliottii*) plantations. *Southern Journal of Applied Forestry*, 29(1), 27-32.

Stainback, G. A., & Alavalapati, J. R. R. 2004. Restoring longleaf pine through silvopasture practices: an economic analysis. *Forest Policy and Economics*, 6(3-4), 371-378.

Stainback, G. A., & Alavalapati, J. R. R. 2004. Modeling catastrophic risk in economic analysis of forest carbon sequestration. *Natural Resource Modeling*, 17(3), 299-317.

Stainback, G. A., Alavalapati, J. R. R., Shrestha, R. K., Larkin, S. L., & Wong, G. 2004. Improving environmental quality in south Florida through silvopasture: An Economic Approach. *Journal of Agricultural and Applied Economics*, 36(2), 481-489.

Alavalapati, J. R. R., Shrestha, R. K., Stainback, G. A., & Matta, J. R. 2004. Agroforestry development: An environmental economic perspective. *Agroforestry Systems*, 61-62(1), 299-310.

Stainback, G. A., & Alavalapati, J. R. R. 2002. Economic analysis of slash pine forest carbon sequestration in the southern U. S. *Journal of Forest Economics*, 8(2), 105-117.

Alavalapati, J. R. R., Stainback, G. A., & Carter, D. R. 2002. Restoration of the longleaf pine ecosystem on private lands in the US South: an ecological economic analysis. *Ecological Economics*, 40(3), 411-419.

### **Non-refereed Publications (6)**

Hu<sup>\*</sup>, L, Stainback, G.A., Dillion, C. 2014. Economic analysis of carbon sequestration and bioenergy production under catastrophic risk and price uncertainty. P. 1-20 *in* 2014 Annual Meeting of the Southern Agricultural Economics Association. Dallas, TX.

Shrestha<sup>\*</sup>, P., Stainback, G. A., Lhotka, J.M. & Hu, L. 2013. Economic and life-cycle analysis of forest carbon sequestration and bioenergy production in the central hardwood region. P. 142-153 *in* Proceedings of Southern Forest Economics Workers Workshop. Auburn, AL.

Stainback, G.A. 2011. Kentucky woodlands tax assessment project. *Kentucky Woodlands Magazine*. 6(1): 20-21.

Stainback, A. 2010. Determining timber casualty loss: examples. *Kentucky Woodlands Magazine* 5(1): 5.

Stainback, A. 2010. Determining timber casualty loss. Kentucky Woodlands Magazine. 4(3): 14-15.

Stainback, G.A. and J.R.R. Alavalapati. 1999. The economics of Florida slash pine and carbon sequestration. P. 51-55 *in* Proceedings of Southern Forest Economics Workers Workshop, Munn, I and Bullard, S. (eds.). Auburn, AL.

## **EXTERNALLY FUNDED RESEARCH PROJECTS**

### **Funded grants**

Enhancing Climate Change Resilience in Great Lakes Region Watersheds: the Lake Kivu Catchment and Rusizi River CRAG. 2013-2014. Wildlife Conservation Society (\$6,000).

Role: Principal subcontract investigator on a proposal funded to Birdlife International and Wildlife Conservation by the MacArthur Foundation.

Development of Property Tax Assessment Guidelines for Woodland Owners in Kentucky. 2008-2010, USDA (\$24,000).

Role: Took over as PI after Dr. Tamara Cushing left (now at Clemson)

## **PRESENTATIONS AND POSTERS (18)**

†Indicates presenter, \* Indicates graduate student advisee

Hu<sup>#</sup>, L, Stainback, G.A., Dillion, C. Economic analysis of carbon sequestration and bioenergy production under catastrophic risk and price uncertainty. Economics. Southern Agricultural Economics Association, Dallas, TX. February 1-4, 2014.

Shrestha<sup>#</sup>, P., Stainback, G. A., Lhotka, J.M. & Hu, L. Economic and life-cycle analysis of forest carbon sequestration and bioenergy production in the central hardwood region. Southern Forest Economics Workshop, Auburn, AL. March 10-12, 2013.

Shrestha<sup>#</sup>, P., Stainback, G. A., Lhotka, J.M., Dwivedi, P. & Hu, L. Carbon life-cycle and economic analysis of forests carbon sequestration and woody bioenergy production from loblolly pine forests in southern U.S. Southern Forest Economics Workshop, Auburn, AL. March 10-12, 2013.

K.C. Birendra<sup>†\*</sup>, G.A. Stainback, and P. Shrestha<sup>\*</sup>. Using expert and user knowledge to analyze the relative importance of issues confronting community forests in the mid hills region of Nepal. Southern Forest Economics Workshop, March 20-21, 2012, Charlotte, N.C.

Stainback, G.A. † Payment for ecosystem services (carbon payments). Forest Carbon Stock Assessment for Carbon Trading Workshop. August 15, 2011, Gitabi, Rwanda.

Stainback, G.A. † Kentucky woodlands tax assessment project. Kentucky Department of Revenue. May 24, 2011, Frankfort, KY.

Stainback, G.A. † Kentucky woodlands tax assessment project. Kentucky Chapter of the Association of Consulting Foresters Meeting. April 28, 2011, Lexington, KY.

Stainback, G.A. † and M. Masozera. Payment for ecosystem services and poverty reduction in Rwanda. Society for Conservation Biology 24th Annual Meeting. July 3-7, 2010, Edmonton, Canada.

Stainback, G.A. † Kentucky woodlands property tax assessment. KWOA Annual Meeting. April 16-17, 2010, Barren River State Park, KY.

Stainback, G.A. † Potential of stacking other ecosystem services with carbon offsets in longleaf pine. Carbon Sequestration in the Longleaf Pine Ecosystem: Current Status of Knowledge and Information Needs. February 16-17, 2010, Auburn, AL.

Stainback, G.A. † Rwanda: history and current challenges. Third World Perspective Program Seminar. January 24, 2007, Americus, GA.

Stainback, G.A. † Third world development: successes and failures. Third World Perspective Program Seminar. October 11, 2006, Americus, GA.

Stainback, G.A. † and J.R.R. Alavalapati. Reducing phosphorus runoff through silvopasture: an ecological economics approach. Southern Forest Economics Workshop. March 17-18, 2003, New Orleans, LA.

Stainback, G.A. † and J.R.R. Alavalapati. Carbon sequestration and the optimal management of slash pine forests. USDA Symposium on Natural Resource Management to Offset Greenhouse Gas Emissions. Raleigh, NC. November 19-21, 2002.

Stainback, G.A. † and J.R.R. Alavalapati. Fire risk and the economics of sequestering carbon in forests. Annual Meeting of the American Agricultural Economics Association. July 28-31, 2002. Long Beach, CA.

Stainback, G.A. and J.R.R. Alavalapati. Economic analysis of restoring longleaf pine on private lands in the U.S. south: implications for public policy. Global Initiatives and Public Policies: First International Conference on Private Forestry in the 21<sup>st</sup> Century. March 25-27, 2001, Atlanta, GA.

Stainback, G.A. † and J.R.R. Alavalapati. Ecological-economic analysis of land values in the Mississippi Delta when environmental benefits are Considered. Southern Forest Economics Workshop. March 26-27, 2000, Lexington, KY.

Stainback, G.A. and J.R.R. † Alavalapati. Value of carbon sequestration: implications for slash pine forest management in Florida. Southern Forest Economics Workshop. April 18-20, 1999, Biloxi, MS.

## **PROFESSIONAL SERVICE**

Associate Editor. December 2009- April 2010. Central Hardwoods Conference Proceedings

Reviewed manuscripts for Journal of Forest Economics; Journal of Forest Policy and Economics; Ambio; Canadian Journal of Forest Research; Resources Policy; Annals of Operations Research; Restoration Ecology; Land Economics; Challenges; American Journal of Agricultural Economics; and Environmental Management.

## **UNIVERSITY SERVICE**

Natural Resource and Environmental Science Steering Committee. July 2011-present. College of Agriculture committee tasked with curriculum development for the B.S. in Natural Resources and Environmental Science.

Graduate Curriculum Committee. August 2009-August 2011, August 2013-present. Departmental committee of faculty tasked with course and curriculum changes at the graduate level and graduate student financial support.

Forestry Research Committee. December 2010-present. Departmental committee tasked with addressing the needs of research in the department.

College of Agriculture International Working Group. November 2011-present. College wide committee tasked with developing international programs.

Sustainability Ambassador Program. January 2012-present. University wide committee of students, faculty and staff tasked with improving the environmental sustainability of the campus.

College of Agriculture International Working Group. November 2011-present. College wide committee tasked with developing international programs.

Faculty Search Committee. December 2010-April 2011 Departmental committee of faculty tasked with soliciting and reviewing applications for an open faculty position in the Department.

Recruitment Committee. May 2010. College of Agriculture committee tasked with outlining college wide policies to boost undergraduate student recruitment in the College.

Precision Resource Management Committee. January 2010 – April 2010. College of Agriculture Committee tasked with reviewing research proposals for funding by the USDA.