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**Education**

1991 B.A. Biology, Dartmouth College  
1995 M.F.S. Forest Science, Yale University  
1998 Ph.D. Ecosystem Ecology, University of New Hampshire

**Employment History**

2002-present Visiting Assistant Professor, Gund Institute for Ecological Economics, University of Vermont Rubenstein School of Environment and Natural Resources, Burlington, VT.  
1998-2002 Research Forester, USDA Forest Service Northeastern Research Station Northern Global Change Program and Forest Inventory and Analysis

**Professional Service/Activities**

Delegate - National Academy of Sciences Workshop on Direct and Indirect Human Contributions to Terrestrial Greenhouse Gas Fluxes  
U.S. Technical Expert - IPCC Working Group on Methodologies to Factor Out Direct Human-Induced Changes in Carbon Stocks and Greenhouse Gas Emissions by Sources and Removal by Sinks  
Member - NCEAS Working Groups: Carbon Balance of North America and Eurasia; Development of a Consistent Global NPP database  
Participant - Cary Conference IX: Understanding Ecosystems: The Role of Quantitative Models in Observation, Synthesis, and Prediction  
Journal reviews - Canadian Journal of Forest Research, Climatic Change, Computers in Science and Agriculture, Ecological Applications, Ecosystems, Environmental Pollution, Forest Science, Global Change Biology, Journal of Biogeography, Mitigation and Adaptation Strategies for Global Change  
Grant reviews - EPA STAR Fellowship Panel, NSF Long-term Research in Environmental Biology (LTREB) (2002), NSF Ecosystems, NASA New Investigator Program

**Publications**

Jenkins, J.C., D.C. Chojnacky, L.S. Heath and R.A. Birdsey. 2003. National-scale biomass estimators for United States tree species. *Forest Science* 49(1):12-35.

- Jenkins, J.C., D.C. Chojnacky, L.S. Heath and R.A. Birdsey. 2003. A comprehensive database of biomass equations for North American tree species. USDA Forest Service General Technical Report NE- XXX (in review).
- Pan, Y., J. Hom., J.C. Jenkins and R.a. Birdsey. 2003. Importance of foliar nitrogen concentration to predict forest productivity spatially across the Mid-Atlantic region. *Forest Science* (in press).
- Smith, J, L.S. Heath and J.C. Jenkins. 2003. Forest volume-to-biomass models and estimates of mass for live and standing dead trees of US forests. Newtown Square, PA, USDA Forest Service General Technical Report NE-298. 57 p.
- Jenkins, J.C. and R. Riemann. 2003. What does nonforest land contribute to the global C balance? Proceedings, Third Annual FIA Science Symposium, Traverse City, MI, Oct. 14-16, 2001 (in press).
- Goodale, C.L., M.J. Apps, R.A. Birdsey, C.B. Field, L.S. Heath, R.A. Houghton, J.C. Jenkins, G.H. Kohlmaier, W. Kurz, S. Liu, G-J Nabuurs, S. Nillson and A. Shvidenko. 2002. Forest carbon sinks in the northern hemisphere. *Ecological Applications* 12:891-899.
- Jenkins, J.C., R.A. Birdsey and Y. Pan. 2001. Biomass and NPP estimation for the mid-Atlantic (USA) region using plot-level forest inventory data. *Ecological Applications* 11:1174-1193.
- Caspersen, J.P., S.W. Pacala, J.C. Jenkins, G.C. Hurtt, P.R. Moorcroft and R.A. Birdsey. 2000. Carbon accumulation in eastern U.S. forests is caused overwhelmingly by changes in land use rather than CO<sub>2</sub> or N fertilization or climate change. *Science* 290:1148-1151.
- Hicke, J.A., G.P. Asner, J. Randerson, S. Los, R.A. Birdsey, J.C. Jenkins, C. Tucker and C. Field. 2002. Trends in North American net primary productivity derived from satellite observations, 1982-1998. *Global Biogeochemical Cycles* 16(2): 0.1029/2001GB001550.
- Nemani, R.R., M.A. White, K. Nishida, S. Reddy, J.C. Jenkins and S.W. Running. 2002. Recent trends in hydrologic balance have enhanced the terrestrial carbon sink in the United States. *Geophysical Research Letters* 2002GL014867.
- Jenkins, J.C., D.W. Kicklighter and J.D. Aber. 2000. Predicting the regional impacts of increased CO<sub>2</sub> and climate change on forest productivity. Pp. 383-423 In *Responses of Northern U.S. Forests to Environmental Change*, R.A. Birdsey, R.H. Mickler and J. Hom (eds). Springer-Verlag, New York.
- Jenkins, J.C., D.W. Kicklighter, S.V. Ollinger, J.D. Aber, J.D. and J.M. Melillo. 1999. Sources of variability at a regional scale: A comparison using PnET-II and TEM 4.0 in northeastern U.S. forests. *Ecosystems* 2:555-570.