

Biographical Sketch

Rodney Will

Professor

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A. PROFESSIONAL PREPARATION

Cornell University	Ithaca, NY	Biology	B.S. 1990
Virginia Tech	Blacksburg, VA	Forest Biology	M.S. 1993
University of Georgia	Athens, GA	Forest Ecophysiology	Ph.D. 1997

B. APPOINTMENTS

July 2012-present	Professor, Natural Resource Ecology and Management, Oklahoma State University
July 2005-June 2012	Associate Professor, Oklahoma State University
Dec 2003-June 2005	Associate Professor, University of Georgia
Dec 1997–Nov 2003	Assistant Professor, University of Georgia

C. PRODUCTS

(i) Most Closely Related to the Proposed Project

1. Nunes Biral V.C., **R.E. Will**, and C.B. Zou. 2019. Establishment of *Quercus marilandica* and *Juniperus virginiana* in the Tallgrass Prairie of Oklahoma Increases Litter Inputs and Soil Organic Carbon. *Forests*. 10:329; doi:10.3390/f10040329
2. Hoff, D.L., **Will, R.E.**, Zou, C.B., and Lillie, N.D. 2018. Encroachment Dynamics of *Juniperus virginiana* and Mesic Hardwood Species into the Cross Timbers Forest of North-central Oklahoma, USA. *Forests*. 9:75; doi:10.3390/f9020075
3. Bracho, R., Vogel, J.G., **Will, R.E.**, Noormets, A., Samuelson, L.J., Jokela, E.J., Gonzalez-Benecke, C.A., Gezan, S.A., Markewitz, D., Seiler, J.R., Strahm, B.D., Teskey, R.O., Fox, T.R., Kane, M.B., Lavinier, M.A., McElligot, K.M., Yang, J., Lin, W., Meek, C.R., Cucinella, J., Akers, M.K., Martin, T.A. 2018. Carbon Accumulation in Loblolly Pine Plantations is Increased by Fertilization across a Soil Moisture Availability Gradient. *Forest Ecology and Management*. 42:39-52.
4. Acharya, B.S., Halihan, T., Zou, C.B., **R.E. Will**. 2017. Vegetation Controls on the Spatio-temporal Heterogeneity of Deep Moisture in the Unsaturated zone: a Hydrogeophysical Evaluation. *Scientific Reports*. 7: 1499 | DOI:10.1038/s41598-017-01662-y
5. Caterina, G.L., **R.E. Will**, D.J. Turton, D.S. Wilson, C.B. Zou. 2014. Water Use of *Juniperus virginiana* Trees Encroached into Mesic Prairies in Oklahoma, USA. *Ecohydrology*. 7:1124-1134 doi: 10.1002/eco.1444.

(ii) Other Significant Products

1. **Will, R.E.**, S.M. Wilson, C.B. Zou and T.C. Hennessey. 2013. Increased VPD due to Higher Temperature Leads to Greater Transpiration and Faster Mortality during Drought for Tree Seedlings Common to the Forest-grassland Ecotone. *New Phytologist*. 200:366-374.
2. Hiers, J.K., O'Brien, J.J., **Will, R.E.**, and Mitchell, R.J. 2007. Forest Floor Depth Mediates Understory Vigor in Xeric *Pinus palustris* Ecosystems. *Ecological Applications*. 17:806-814.
3. **Will, R.E.**, Markewitz, D., Hendrick, R.L., Meason, D.F., Crocker, T.R., and Borders, B.E. 2006. Nitrogen and Phosphorus Dynamics for a Chronosequence of Loblolly Pine Stands Receiving Fertilization and Competition Control. *Forest Ecology and Management*. 227:155-168.
4. Stewart J.F., **R.E. Will**, K.M. Robertson, C.D. Nelson. 2015. Frequent Fire Protects Shortleaf Pine

from Introgression by Loblolly Pine. *Conservation Genetics*. 16:491-495; doi: 10.1007/s10592-014-0669-x

5. Will, R.E., T.R. Fox, M. Akers, J-C Domec, E. Jokela, M. Kane, M.A. Lavinier, G. Lokuta, D. Markewitz, M.A. McGuire, C. Meek, A. Noormets, L. Samuelson, J. Seiler, B. Strahm, R. Teskey, J. Vogel, E. Ward, J. West, D. Wilson, T. Martin. 2015. A Range-wide Experiment to Investigate Nutrient and Soil Moisture Interactions in Loblolly Pine Plantations. *Forests*. 6: 2014-2028; doi:10.3390/f6062014

D. SYNERGISTIC ACTIVITIES

- Chair for Society of American Foresters – Ouachita Society, 2014. Led professional organization for the Oklahoma/Arkansas region to facilitate the transfer of research findings to practitioners and to increase participation and interactions among members to improve the sustainable management and stewardship of forest ecosystems.
- Associate editor and editorial boards to include 1) Associate Editor, Canadian Journal of Forest Research, 2010-2013, 2) Associate Editor, New Forests, 2010-2015, 3) Editorial Board, Tree Physiology 2002-2007, 2010- 2017, 4) Editorial Board, Forests 2019-current.
- Undergraduate research mentorship. Mentored 17 undergraduates in research. Students conducted their own research as well as were involved with general activities in the lab. Students include a range of genders, nationalities, and ethnic backgrounds.
- Outreach. Participated or led over 25 events since 2014 to transfer research results to stakeholders and practitioners. Events included field tours, talks for professional societies, and talks at events for natural resource managers.
- Webinar series. Lead organizer of the Shortleaf Pine Ecology and Management Webinar series (Ouachita Society of American Foresters/Oklahoma Forestry Services).