

**NATURAL RESOURCE ECOLOGY & MANAGEMENT DEPARTMENT**  
**REFEREED JOURNAL PUBLICATIONS - 2009**

--Bold denotes NREM faculty member

--Asterisk denotes post-doc, graduate student or NREM support staff as senior author

**2009 (Total - 51)**

Bekhta, P., **S. Hizioglu**, O. Potapova, and J. Sediaticik. 2009. Shear strength of exterior plywood panels pressed at low temperature. *Materials* 2: 876-882.

Bekhta, P., **S. Hizioglu**, and O. Shepelyuk. 2009. Properties of plywood manufactured from compressed veneer as building material. *Journal of Materials and Design* 30 (4): 947-953.

Breshears D.D., J.J Whicker, **C.B. Zou**, J.P. Field, and C.D. Allen. 2009. Aeolian sediment transport in undisturbed and disturbed dryland ecosystems along the grassland-forest continuum: A conceptual framework spanning gradients of woody plants. *Geomorphology* 105: 28-38.

Breshears D.D., O.B. Myers, C.W. Meyer, F.J. Barnes, **C.B. Zou**, C.D. Allen, N.G. McDowell, and W.T. Pockman. 2009. Tree die-off in response to global-change-type drought: mortality insights from a decade of plant water potential measurements. *Frontiers in Ecology and the Environment* 7: 185-189.

Criffield, M.A., M.V. Reichard, E.C. Hellgren, **D.M. Leslie, Jr.**, and K. Freel. 2009. Parasites of swift foxes (*Vulpes velox*) in the Oklahoma Panhandle. *Southwestern Naturalist* 54: 492-498.

**Davis, C.A.**, J.R. Bidwell, and **K.R. Hickman**. 2009. Effects of varying densities and hydrological regimes on intra- and interspecific competition with *Schoenoplectus fluviatilis* and two co-occurring wetland plants. *Aquatic Botany* 91: 267-272.

**Davis, C.A.**, and J.S. Utrup. 2009. Response of terrestrial invertebrates to high- and low-diversity grassland restorations in south-central Nebraska. *Restoration Ecology* 18: 479-488.

Dunkin, S.W., **F.S. Guthery**, S.J. DeMaso, A.D. Peoples, and E.S. Parry. 2009. Influence of anthropogenic structures on northern bobwhite space use in western Oklahoma. *Journal of Wildlife Management* 73: 253-259.

Echelle, A.E., J.C. Hackler, J.B. Lack, S.R. Ballard, J. Roman, S.F. Fox, **D.M. Leslie, Jr.**, and R.A. Van Den Bussche. 2009. Conservation genetics of the alligator snapping turtle: cytonuclear evidence of range-wide bottleneck effects and unusually pronounced geographic structure. *Conservation Genetics* 10: OnlineFirst 7 August 2009.

**Fuhlendorf, S.D., D.M. Engle**, C.M. O’Meilia, **J.R. Weir**, and D.C. Cummings. 2009. Does herbicide weed control increase livestock production on non-equilibrium rangeland? *Agriculture, Ecosystems and Environment* 132: 1-6.

**Fuhlendorf, S.D., D.M. Engle**, J. Kerby, and R. Hamilton. 2009. Pyric-herbivory: Re-wilding landscapes through re-coupling fire and grazing. *Conservation Biology* 23: 588-598.

George, A.D.\*, and **T. J. O’Connell**. 2009. Breeding Burrowing Owls in North Central Oklahoma. *Bulletin of the Oklahoma Ornithological Society* 42: 1–3.

Gregory, L., B.P. Wilcox, B. Shade, C. Munster, **M.K. Owens**, and G. Veni. 2009. Large-scale rainfall simulation over shallow caves on karst shrublands. *Ecohydrology* 2: 72-80.

**Guthery, F.S.** 2009. Review of it’s a long way from Llano: the journey of a wildlife biologist. *Great Plains Research* 19 (1): 135.

Heilman, J.L., K.J. McInnes, J.F. Kjelgaard, **M.K. Owens**, and S. Schwinning. 2009. Energy balance and water use in a subtropical karst woodland on the Edwards Plateau, Texas. *Journal of Hydrology* 373: 426-435.

Hiller, T.L., A.B. Felix, and **F.S. Guthery**. 2009. Association of northern bobwhites with surface water in the semi-arid Texas Panhandle. *Wilson Journal of Ornithology* 121: 135–140.

**Hiziroglu, S.** 2009. Properties of strandboard panels manufactured from eastern redcedar. *Materials* 2: 926-933.

**Hiziroglu, S.**, and S. Suzuki. 2009. Surface characteristics of overlaid Japanese wood composites. *Journal of Tropical Forest Science* 21 (3): 1-5.

Jarusombuti, S., **S. Hiziroglu**, P. Bauchongkol, and V. Fueangvivat. 2009. Properties of sandwich type panels made from bamboo and rice straw. *Forest Products Journal* 59 (10): 52-57.

Johnson, N.C., V.B. Chaudhary, J.D. Hoeksema, J.C. Moore, A. Pringle, J.A. Umbanhower and **G.W.T. Wilson**. 2009. Mysterious mycorrhizae? A field trip and classroom experiment to demystify symbioses formed between plants and fungi. *American Biology Teacher* 71: 389-394.

Jubsilp, C., T.Takeichi, **S. Hiziroglu**, and S.Rimdusit. 2009. Effect of resin compositions on microwave processing and thermophysical properties of benzoxaine-epoxy-phenolic ternary systems filled with silicon carbide (sic) whisker. *Polymer Engineering and Science* 49 (5): 1022-1029.

Korkut, S., and **S. Hiziroglu**. 2009. Effect of heat treatment on mechanical properties of hazelnut wood (*Corylus colurna* L.). *Journal of Materials and Design* 30: 1853-1858.

**Leslie, D.M., Jr.** 2009. An unusual northern cardinal nest: cooperative breeding or nesting sharing? *Bulletin of the Oklahoma Ornithological Society* 42: 5–8.

- Leslie, D.M., Jr.**, and G.B. Schaller. 2009. *Bos grunniens* and *Bos mutus* (Artiodactyla: Bovidae). *Mammalian Species* 836: 1–17.
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- Limb R.F.\*, **S.D. Fuhlendorf**, and D.E. Townsend. 2009. Heterogeneity of thermal extremes: driven by disturbance or inherent in the landscape. *Environmental Management* 43: 100-106.
- Lynch, T.B.** 2009. Note on the variance of radial sampling strategies with random versus purposively-located pivot-points. *Forest Science* 55 (5): 467-470.
- McConnell, S., **T.J. O’Connell**, **D.M. Leslie, Jr.**, and J.S. Shackford. 2009. Mountain plovers in Oklahoma: distribution, abundance, and habitat use. *Journal of Field Ornithology* 80: 27–34.
- McFarland, C.A., M.J. Quinn, Jr., M.A. Bazar, **L.G. Talent**, and M.S. Johnson. 2009. Toxic effects of oral hexahydro-1,3,5-trinitro-1,3,5-triazine in the western fence lizard (*Sceloporus occidentalis*). *Environmental Toxicology and Chemistry* 28 (5): 1043-1050.
- Miao S.L., and **C.B. Zou**. 2009. Seasonal variation in seed bank composition and the interaction with nutrient enrichment in the Everglades wetlands. *Aquatic Botany* 90: 157-164.
- Miao S.L., **C.B. Zou**, and D.D. Breshears. 2009. Vegetation responses to extreme hydrological events: sequence matters. *American Naturalist* 173: 113-118.
- Nemli, G., and **S. Hiziroglu**. 2009. Effect of press parameters on scratch and absorption resistance of overlaid particleboard panels. *Journal of Composite Material* 43 (13): 1413-1420.
- Ozdemir, T., and **S. Hiziroglu**. 2009. Influence of surface roughness and species on bond strength between the wood and the finish. *Forest Products Journal* 59 (6): 90-95.
- Ozdemir, T., **S. Hiziroglu**, and A. Malkocoglu. 2009. Influence of relative humidity on surface quality and adhesion strength of coated medium density (MDF) fiberboard. *Journal of Materials and Design* 30: 2543-2546.
- Rich, C.N., and **L.G. Talent**. 2009. Soil ingestion may be an important route for the uptake of contaminants by some reptiles. *Environmental Toxicology and Chemistry* 28 (2): 311-315.
- Sabatia, C.O., **R.E. Will**, and **T.B. Lynch**. 2009. Effect of thinning on aboveground biomass accumulation and distribution in naturally regenerated shortleaf pine. *Southern Journal of Applied Forestry* 33 (4): 188-192.
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- Shaw, J.H.** 2009. (Review of) Wolves in Russia. *Journal of Wildlife Management* 73 (6): 1025-1026.
- Shoup, D.E.**, and D.H. Wahl. 2009. Evaluation of fish population diversity and reproduction in floodplain lakes of the lower Kaskaskia River, Illinois. *Transactions of the American Fisheries Society* 138: 1076-1092.
- Shoup, D.E.**, and D.H. Wahl. 2009. The effect of turbidity on prey selection by piscivorous largemouth bass. *Transactions of the American Fisheries Society* 138: 1018-1027.
- Toth, S.F., R.G. Haight, S.A. Snyder, S. George, J.R. Miller, **M.S. Gregory** and A.M. Skibbe. 2009. Reserve selection with minimum contiguous area restrictions: an application to open space protection planning in suburban Chicago. *Biological Conservation* 142 (8): 1617-1627.
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- Wang J., **C.B. Zou**, H. Ren, and W. Duan. 2009. Absence of tree seeds impedes shrubland succession in southern China. *Journal of Tropical Forest Science* 21: 210-217.
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- Wilson, D.S.**, and D.A. Maguire. 2009. Environmental basis of soil–site productivity relationships in ponderosa pine. *Ecological Monographs* 79: 595-617.
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- Wilson, D.S.**, Stoddard, M.S., Betts, M.G. and Puettmann, K.J. 2009. Bayesian small-area models for assessing wildlife conservation risk in patchy populations. *Conservation Biology* 23: 982-991.
- Wilson, G.W.T.**, C.W. Rice, M.C. Rillig, A. Springer, and D.C. Hartnett. 2009. Arbuscular mycorrhizal fungi control soil aggregation and carbon sequestration. *Ecology Letters* 12: 452-461.

**Zou C.B.**, P.D. Royer, and D.D. Breshears. 2009. Density-dependent shading patterns by Sonoran saguaros. *Journal of Arid Environments* 74: 156-158.