

James Kidder
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P.O. Box 2008 Bldg. 4500N MS-6191
865-576-0535
kidderjh@ornl.gov



Environmental Sciences Publications—Calendar Year 2007
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Book Sections:

- Hanson, P. J., & Kurz, W. (2007). Commercial and Project-Based Responses and Associated Research Initiatives in the Forest Sector. In P. H. Freer-Smith, M. S. J. Broadmeadow & J. M. Lynch (Eds.), *Forestry and Climate Change*. Oxfordshire: CABI.
- Hanson, P. J., Tschaplinski, T. J., Wullschleger, S. D., Todd, D. E., & Auge, R. M. (2007). The Resilience of Upland-Oak Forest Canopy Trees to Chronic and Acute Precipitation Manipulations. In D. S. Buckley & W. K. Clatterbuck (Eds.), *Proceedings of the 15th Central Hardwood Forest Conference* (pp. 3-12). Knoxville: United States Department of Agriculture, Forest Service Southern Research Station.
- Jager, H. I., Bevelhimer, M. S., Lepla, K. A., Chandler, J. B., & Van Winkle, W. (2007). Evaluation of reconnection options for white sturgeon in the Snake River using a population viability model. In J. F. e. a. Munro (Ed.), *American Fisheries Society Symposium* (Vol. 56, pp. 319-335). Bethesda: American Fisheries Society.
- Korner, C., Morgan, J., & Norby, R. J. (2007). Fertilization: When, Where, How Much? In J. G. Canadell & D. E. Pataki (Eds.), *Terrestrial Ecosystems in a Changing World* (pp. 9-21). Berlin: Springer.
- Martin, M. Z., Wullschleger, S. D., Garten, C. T., & Palumbo, A. V. (2007). Measurement of Carbon for Carbon Sequestration and Site Monitoring. In J. Singh & N. Thakur (Eds.), *Laser-Induced Breakdown Spectroscopy* (pp. 341-351). Amsterdam: Elsevier.
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- Pallardy, S. G., Gu, L., Hanson, P. J., Myers, T. P., Wullschleger, S. D., Yang, B., et al. (2007). Carbon Dioxide Fluxes in a Central Hardwoods, Oak-Hickory Forest Ecosystem. In D. S. Buckley & W. K. Clatterbuck (Eds.), *Proceedings of the 15th Central Hardwoods Forest Conference* (pp. 13-20). Knoxville: United States Department of Agriculture, Forest Service Southern Research Station.
- Talmage, S. S., Munro, J. F., Watson, A. P., King, J. F., & Hauschild, V. (2007). The fate of chemical warfare agents in the environment. In T. Marrs, R. L. Maynard & F. R. Sidell (Eds.), *Chemical Warfare Agents: Toxicology and Treatment* (pp. 89-125). Chichester, West Sussex: John Wiley and Sons, Ltd.
- Wilbanks, T. (2007). Developing Country Responses to Concerns about Climate Change. In M. Brown & B. Sovacool (Eds.), *Twelve Myths About the Environment and Energy Policy in the United States* (pp. 341-350): Springer.

Conference Papers and Proceedings:

- Akkurt, H. (2007). *VOXMAT: Hybrid Computational Phantom for Dose Assessment*. Paper presented at the American Nuclear Society Annual Meeting.
- Graham, R. L. (2007). *Considering the ecosystem sustainability of bioenergy feedstocks: a primer on the issues*. Paper presented at the Annual AERC Symposium-Ecosystem Science: Informing a Sound Bioenergy Policy.
- Kaiser, D. P. (2007). *Trends in United States snowfall: 1948-2005*. Paper presented at the 19th Conference on Climate Variability and Change.
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- Ternes, M. P., Schweitzer, M., Schmoyer, R., Tonn, B., & Eisenberg, J. (2007). *Design of the National Impact Evaluation for the DOE Weatherization Assistance Program*. Paper presented at the 2007 International Energy Program Evaluation Conference.
- Yang, S., Tschaplinski, T. J., Engle, N. L., Carroll, S., Martin, S. L., & Brown, S. D. (2007). *Transcriptomic and metabolomic profiling of *Zymomonas mobilis* oxygene stress responses*. Paper presented at the 15th Annual International Conference on Microbial Genomics.
- Heady, L. E., Weston, D. J., Wullschleger, S. D., & Rogers, A. (2007,

- August 2007). *Enzyme activity: a key step in understanding linkages between gene and ecosystem*. Paper presented at the Ecological Society of America, San Jose, CA.
- Weston, D. J., Rogers, A., Tschaplinski, T. J., Schadt, C. W., & Wullschleger, S. D. (2007, August 2007). *Tracking the response of terrestrial mesocosms to a change in a single gene*. Paper presented at the Ecological Society of America, San Jose, CA.
- Wullschleger, S. D., Rogers, A., Kuske, C. R., Schadt, C. W., Tschaplinski, T. J., Barns, S. M., et al. (2007). *Integration of systems biology and ecology: a mesocosm-scale study designed to span the gen-ecosystem continuum*. Paper presented at the Ecological Society of America, San Jose, CA.

Government Document:

- McCold, L., Salk, M., Smith, E., Saulsbury, B., & Zimmerman, G. (2007). *Actions Taken under U.S. Department of Energy Emergency Orders Regarding Operation of the Potomac River Generating Station in Alexandria, Virginia*.

Journal Articles:

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- Amos, B. K., Sung, Y., Fletcher, K. E., Gentry, T. J., Wu, W. M., Criddle, C. S., et al. (2007). Detection and quantification of *Geobacter lovleyi* strain SZ: Implications for Bioremediation at tetrachloroethene- and uranium-impacted sites. *Applied and Environmental Microbiology*, 73(21), 6898-6904.
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- Chernyshova, I. V., Hochella, M. F., & Madden, A. S. (2007). Size-dependent structural transformations of hematite nanoparticles. 1. Phase transition. *Physical Chemistry Chemical Physics*, 9(14), 1736-1750.
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