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ECOSYSTEM AND LANDSCAPE ECOLOGY LAB

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MONICA TURNER

CV (pdf)
Profile from PNAS, March 2007

Position:

Eugene P. Odum Professor of Ecology

Research Interests

- Causes and consequences of spatial heterogeneity in ecological systems
- Dynamics of natural disturbances and their effects on ecosystems
- Fire ecology
- Ungulate foraging dynamics
- Ecological modeling
- Ecological effects of land-use change
- Landscape ecology
- Theoretical ecology



Current Projects

See [Research](#) page...

Selected Publications

A complete list of Dr. Turner's publications is available. Most can be downloaded as pdf files.

Turner, M. G. 1989. Landscape ecology: the effect of pattern on process. Annual Review of Ecology and Systematics 20:171-197.

Turner, M. G., R. H. Gardner, V. H. Dale and R. V. O'Neill. 1989. Predicting the spread of disturbance across heterogeneous landscapes. Oikos 55:121-129.

Turner, M. G., W. H. Romme, R. H. Gardner, R. V. O'Neill, and T. K. Kratz. 1993. A revised concept of landscape equilibrium: disturbance and stability on scaled landscapes. Landscape Ecology 8:213-227.

Turner, M. G. and W. H. Romme. 1994. Landscape dynamics in crown fire ecosystems. Landscape Ecology 9:59-77

Turner, M. G., W. H. Romme, R. H. Gardner and W. W. Hargrove. 1997. Effects of fire size and pattern on early succession in Yellowstone National Park. Ecological Monographs

67:411-433.

Turner, M. G., W. L. Baker, C. Peterson, and R. K. Peet. 1998. Factors influencing succession: lessons from large, infrequent natural disturbances. *Ecosystems* 1:511-523.

Turner, M. G., R. H. Gardner and R. V. O'Neill. 2001. *Landscape ecology in theory and practice*. Springer-Verlag, New York.

Turner, M. G., W. H. Romme and D. B. Tinker. 2003. Surprises and lessons from the 1988 Yellowstone fires. *Frontiers in Ecology and the Environment* 1(7):351-358.

Lovett, G. M., C. G. Jones, M. G. Turner and K. C. Weathers, editors. 2005. *Ecosystem function in heterogeneous landscapes*. Springer-Verlag, New York.

Turner, M. G. 2005. Landscape ecology in North America: past, present and future. *Ecology* 86:1967-1974.

Turner, M. G. 2005. Landscape ecology: what is the state of the science? *Annual Review of Ecology, Evolution and Systematics* 36:319-344.

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