

**Curriculum Vitae
Norma L. Fowler**

Contact information

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Professional training

- B.A. in Biology, University of Chicago, Chicago, Illinois, 1973
- Ph.D., Department of Botany, Duke University, Durham, North Carolina, 1978
- Leverhulme Fellow postdoc, University College of North Wales, Bangor, U.K., 1978 - 1979

Appointments (excluding sabbatical appointments)

- Professor, Department of Integrative Biology or Department of Botany, University of Texas at Austin. 2000 - present.
- Professor, Department of Botany, University of Texas at Austin. 1992-2000.
- Associate Professor, Department of Botany, University of Texas at Austin. 1985 - 1992.
- Assistant Professor, Department of Botany, University of Texas at Austin. 1979 - 1985.

Research Interests

- plant population ecology, especially population regulation, the analysis of demographic data, competitive interactions, and the effects of fire and herbivores upon plant populations
- plant community structure and dynamics, including the effects of fire, herbivory, competition, and the physical environment upon plant communities
- the applications to conservation and land management of all of the above, including invasive species, endangered species, rangeland management, and the management of savannas and woodlands for conservation goals

Honors

- Awarded an NSF Graduate Fellowship (3 yr), 1973
- Awarded a J.B. Duke Graduate Fellowship (1 yr), 1976
- Awarded a Leverhulme Fellowship (Postdoctoral), 1978
- Elected a Member, Sigma Xi, February 1985
- Elected a Fellow, American Association for the Advancement of Science, February 1990
- Teaching Excellence Award, College of Natural Science, University of Texas, April 2000
- Billy Carr Teaching Fellowship, Environmental Sciences Institute, University of Texas, 2018-2019

Recent courses

- Bio 373. Ecology. biology majors. each fall.
- Bio 375. Conservation Biology. biology majors. each spring.

- UGS 302. Austin Area Environmental Issues. freshman seminar course. fall 2020.
- Undergraduate research supervision: 1-4 undergraduate research students/yr.
- Currently supervising 5 Ph.D. graduate students

Former graduate students: 30 graduate students have earned Ph.D.s or Master's degrees under my supervision; all are using their graduate training as faculty or in government agencies, non-profits, or private firms (or have retired from such positions).

Selected service

- Associate Editor, Proceedings of the Royal Society B, 2016 - present.
- Faculty advisor, Environmental Science BS degree program, Fall 2012 - present.
- Member, Faculty Council, University of Texas, 2018 - present.
- Member, Faculty Gender Equity Council, University of Texas, 2018 - present.
- Member, Faculty Merit Review Committee, IB Department, Fall 2018, fall 2019.
- peer reviewer of multiple USFWS Recovery Plans, 5-year Assessments, and Species Status Assessments, and Texas Parks and Wildlife endangered species assessments

10 selected publications

- Alofs, K. M., and N. L. Fowler. 2010. Habitat fragmentation caused by woody plant encroachment inhibits the spread of an invasive grass. *Journal of Applied Ecology* 47(2):338-347.
- Alofs, K. A., and N. L. Fowler. 2013. Loss of native herbaceous species due to woody plant encroachment facilitates the establishment of an invasive grass. *Ecology* 94:751-760.
- Andruk, C. M., and N. L. Fowler. 2015. Conflicting short and long-term management goals: Fire effects in endangered golden-cheeked warbler (*Setophaga chrysoparia*) habitat. Pages 22-29 in R. E. Keane, M. Jolly, R. Parsons, and K. Riley. Proceedings of the large wildland fires conference; May 19-23, 2014; Missoula, MT. RMRS-P-73. Rocky Mountain Research Station, US Forest Service, Fort Collins, CO.
- Andruk, C. M., C. Schwope, and N. L. Fowler. 2014. Is fire enough? The joint effects of fire and herbivory on hardwood regeneration in central Texas woodlands. *Forest Ecology and Management* 334:193-200.
- Booth, E. M., G. Creacy, and N. L. Fowler. 2019. Burn severity and post-fire erosion control affect post-fire woody plant recruitment. *Natural Areas Journal* 39:189-196.
- De Jong, G. L., and N. L. Fowler. 2018. Duration of propagule pressure affects non-native plant species abundances. *American Journal of Botany* 105(2):197-206.
- Ermankova, A., C. Whiting, K. Trout, C. Clubbe, M. K. Terry, and N. Fowler. 2021. Densities, plant sizes, and spatial distributions of six wild populations of *Lophophora williamsii* (Cactaceae) in Texas, U.S.A. *Journal of the Botanical Research Institute of Texas* 15:149-160.
- Fowler, N. L., and B. Beckage. 2019. North American savannas. Pp. 123-150 in P. Scogings and M. Sankaran, eds. *Savanna woody plants and large herbivores*. Wiley, NY.
- Fowler, N., T. Keitt, O. Schmidt, M. Terry, and K. Trout. 2018. Border wall: bad for biodiversity. *Frontiers in Ecology and the Environment* 16:137-138. doi:10.1002/fee.1785.
- Gurevitch, J., G. A. Fox, N. L. Fowler, and C. H. Graham. 2016. Landscape demography: population change and its drivers across spatial scales. *Quarterly Review of Biology* 91(4):459-485.
- Noel, J. M., and Fowler, N.L. 2007. Effects of fire and neighboring trees on Ashe juniper. *Rangeland Ecology and Management* 60:596-603.