

Horseshoe Bend Publications (refereed) from 2002-2007: **22 published, submitted or in press**

1. Adl, S.M. 2007. Motility and migration rate of protozoa in soil columns. *Soil Biology & Biochemistry* 39: 700-703.
2. Arce-Flores, S., and D.C. Coleman. 2007. Comparing water-stable aggregate distributions, organic matter fractions and carbon turnover using ^{13}C natural abundance in conventional and no-tillage soils. *Soil Biology & Biochemistry* (submitted).
3. Bossuyt, H., J. Six, and P.F. Hendrix. 2002. Aggregate-protected carbon in no-tillage and conventional tillage agroecosystems using carbon-14 labeled residue. *Soil Science Society of America Journal* 66: 1965-1973.
4. Bossuyt, H., J. Six, and P.F. Hendrix. 2004. Rapid incorporation of fresh residue-derived carbon into newly formed stable microaggregates within earthworm casts. *European Journal of Soil Science* 55: 393-399.
5. Bossuyt, H., J. Six, and P.F. Hendrix. 2005. Protection of soil carbon by microaggregates within earthworm casts. *Soil Biology & Biochemistry* 36: 251-258.
6. Bossuyt, H., P.F. Hendrix, and J. Six. 2006. Interactive effects of functionally different earthworm species on aggregation and incorporation and decomposition of newly added residue carbon. *Geoderma* 130: 14-25.
7. Callahan, Jr., M.A., D.D. Richter, Jr., D.C. Coleman, and M. Hofmockel. 2006. Long-term land-use effects on soil invertebrate communities in Southern Piedmont soils, USA. *European Journal of Soil Biology* 42: S150-S156.
8. Coleman, D.C. 2007. From Peds to Paradoxes: linkages between soil biota and their influences on ecological processes. *Advances in Ecological Research* (submitted)
9. Coleman, D.C., and W.B. Whitman. 2005. Linking species richness, biodiversity and ecosystem function in soil systems. *Pedobiologia* 49: 479-497.
10. Coleman, D.C., D.A. Crossley, Jr., and P.F. Hendrix. 2004. *Fundamentals of Soil Ecology*, 2nd Edn. Elsevier Academic Press, San Diego, CA.
11. Coleman, D.C., S. Fu, P.F. Hendrix, and D.A. Crossley, Jr. 2002. Soil foodwebs in agroecosystems: impacts of herbivory and tillage management. *European Journal of Soil Biology* 38: 21-28.

12. Coleman, D.C., M.D. Hunter, P. F. Hendrix, D. A. Crossley, Jr., B. Simmons, and K. Wickings. 2006. Long-term consequences of Biochemical and Biogeochemical changes in the Horseshoe Bend Agroecosystem, Athens, GA. *European Journal of Soil Biology* 42: S79-S84.
13. Coleman, D.C., M.D. Hunter, P. F. Hendrix, D. A. Crossley, Jr., S. Arce-Flores, B. Simmons, and K. Wickings. 2007. Long-term consequences of Biological and Biogeochemical changes in the Horseshoe Bend LTREB Agroecosystem, Athens, GA. Chapter in Bohlen, P., et al. (eds) "Revisiting the Crossroads of Ecology and Agriculture: a Tribute to Ben Stinner". Taylor and Francis (submitted).
14. Furlong, M.A., D.R. Singleton, D.C. Coleman, and W. B. Whitman. 2002. Molecular and culture-based analyses of prokaryotic communities from an agricultural soil and the burrows and casts of the earthworm *Lumbricus rubellus*. *Applied and Environmental Microbiology* 68: 1265-1279.
15. Lachnicht, S.L., P F. Hendrix, R.L. Potter, D. C. Coleman, and D.A. Crossley Jr. 2004. Winter decomposition of transgenic cotton residue in conventional-till and no-till systems. *Applied Soil Ecology* 27: 135-142.
16. Simmons, B.L., and D.C. Coleman. 2006. Changes in microbial communities in response to compost application and conservation tillage techniques in agricultural fields in Coffee County, Georgia (USA). *Soil Biology and Biochemistry* (submitted).
17. Simmons, B.L., and D.C. Coleman. 2006. The effects of agricultural land management and soil type on soil food webs: a comparison of the Piedmont and the Coastal plain, in Georgia (USA). *Applied Soil Ecology* (submitted).
18. Singleton, D.R., P.F. Hendrix, D.C. Coleman and W.B. Whitman. 2003. Identification of uncultured bacteria tightly associated with the intestine of the earthworm *Lumbricus rubellus* (Lumbricidae; Oligochaeta). *Soil Biology and Biochemistry* 35: 1547-1555.
19. Singleton, D.R., M.A. Furlong, A.D. Peacock, D.C. White, D.C. Coleman and W.B. Whitman. 2003. *Solirubrobacter pauli* gen. Nov., sp. nov., a mesophilic bacterium within the *Rubrobacteridae* related to common soil clones. *International Journal of Systematic and Evolutionary Microbiology* 53: 485-490.
20. Upchurch, R.A., C-Y Chiu, K. Everett, G. Dyszynski, D.C. Coleman, and W.B. Whitman. 2007. Differences in the composition and diversity of bacterial

communities from agricultural and forest soils. *Soil Biology and Biochemistry* (submitted)

21. Van Vliet, P.C.J., M.H. Beare, D.C. Coleman and P.F. Hendrix. 2004. Effects of Enchytraeids (Annelida: Oligochaeta) on soil carbon and nitrogen dynamics in laboratory incubations. *Applied Soil Ecology* 25: 147-160.
22. Wright, D.H., A. Gonzalez and D.C. Coleman. 2006. Changes in nestedness in experimental communities of soil fauna undergoing extinction. *Pedobiologia* 50: 497-503.