

Biographical Sketch

DAVID C. COLEMAN, Distinguished Research Professor Emeritus

Odum School of Ecology, 714 BioSciences, University of Georgia, Athens, GA 30602-2602, USA
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date of birth: Nov. 7, 1938
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EDUCATION

B.A.	1960	Reed College, Portland, Oregon	Biology
M.A.	1963	University of Oregon, Eugene, Oregon	Biology
Ph.D.	1964	University of Oregon, Eugene, Oregon	Biology (Ecology)

EMPLOYMENT

1965-71	Assistant Professor and Research Associate Savannah River Ecology Laboratory	University of Georgia
1972-85	Senior Research Ecologist, Natural Resource Ecology Laboratory	Colorado State University
1978-83	Associate Professor, Zoology & Entomology	Colorado State University
1983-85	Professor, Zoology and Entomology	Colorado State University
1985-1993	Research Professor of Entomology	University of Georgia
1993-Present	Distinguished Research Professor, Institute of Ecology	University of Georgia
2005-Present	Distinguished Research Professor Emeritus, Odum School of Ecology	

HONORS AND AWARDS

Senior Research Fellow, National Research Advisory Council, Inst. Nuclear Science and Soil Bureau, Lower Hutt, New Zealand, 1979-1980.

Soil Science Society of America Fellow (from 1991 onward).

Soil Ecology Society Professional Achievement Award, May 1999.

Distinguished Ecosystem Scientist Award, Natural Resource Ecology Laboratory, CSU, Ft. Collins, CO, March 2000.

McMaster Visiting Fellow, CSIRO Div. of Entomology, Adelaide, Australia. Feb.-Apr. 2006.

EDITORIAL BOARDS

Associate Editor, *Soil Biology & Biochemistry*, Jan. 1997 - 1999; Chief Editor, 1999-2010.

Regional Editor, *European Journal of Soil Biology*, 1992 – 2007.

Regional Editor of *Pedobiologia*, January 1982-present.

Associate Editor, *Advances in Agroecology*, 1993 - present.

Member, Editorial Board, *Applied Soil Ecology*, 1993 - present.

PUBLICATIONS (6 most relevant, and 5 additional, out of a total of 280)

Coleman, D.C. 2008. From Peds to Paradoxes: linkages between soil biota and their influences on ecological processes. *Soil Biology & Biochemistry* 40: 271-289.

Coleman, D.C. 2010. *Big Ecology: the Emergence of Ecosystem Science*. University of California Press, Berkeley, CA.

Coleman, D.C., and W.B. Whitman. 2005. Linking species richness, biodiversity and ecosystem function in soil systems. *Pedobiologia* 49: 479-497.

- Coleman, D.C., D.A. Crossley, Jr., and P.F. Hendrix. 2004. *Fundamentals of Soil Ecology*. 2nd Edn., Elsevier Academic Press, San Diego. 384 pp.
- Coleman, D.C., and D.H. Wall. 2007. Fauna: the engine for microbial activity and transport. Chapt. 7 (pp. 163-191) in: *Soil Microbiology, Ecology and Biochemistry*. E.A. Paul (ed.). Elsevier Academic Press, San Diego, CA.
- Adl, M.S., D.C. Coleman, and F. Reed. 2006. Slow recovery of biodiversity in sandy loam soils of Georgia after 25 years of no-tillage management. *Agriculture, Ecosystems & Environment* 114: 323-334.

Additional publications germane to research in soil ecology:

- Upchurch, R.A., Chiu, C-Y., Everett, K., Dyszynski, G., Coleman, D.C., and Whitman, W.B. 2008. Differences in the composition and diversity of bacterial communities from agricultural and forest soils. *Soil Biology & Biochemistry* 40: 1294-1305
- Hunter, M. D., S. Adl, C. M. Pringle, and D. C. Coleman. 2003. Relative effects of macroinvertebrates and habitat on the chemistry of litter during decomposition. *Pedobiologia* 47: 101-115.
- Moore, J.C., E.L. Berlow, D.C. Coleman and 14 co-authors. 2004. Detritus, trophic dynamics and biodiversity. *Ecology Letters* 7: 584-600.
- Coleman, D. C., and P. F. Hendrix. 2000. (Eds.). *Invertebrates as Webmasters in Ecosystems*, CAB International, Wallingford, U.K. 336 pp.
- Coleman, D.C., M.D. Hunter, P.F. Hendrix, D.A. Crossley, Jr., S. Arce-Flores, B. Simmons, and K. Wickings. 2009. Long-term consequences of biological and biogeochemical changes in the Horseshoe Bend LTREB agroecosystem, Athens, Ga. Pp. 195-209 In: P.J. Bohlen and G. House, Eds. *Sustainable Agroecosystem Management. Integrating for ecology, economics, and society*. CRC Press, Boca Raton, Florida.

SIGNIFICANT COLLABORATIONS

Chih-Yu Chiu, Research Center for Biodiversity, Academia Sinica, Taipei, Taiwan.
Gupta Vadakattu, Division of Sustainable Ecosystems, CSIRO, Adelaide, South Australia
Diana H. Wall, NREL, Colorado State University, Ft. Collins, CO
Xiaoming Zou, University of Puerto Rico

NAME OF POSTDOCTORAL ADVISOR:

Prof. A. Macfadyen (University of Wales)(retired)

POSTDOCTORALS ADVISED (previous 10 yrs.) Total Advised: 7

Liam J. Heneghan, Sina M. Adl

GRADUATE STUDENTS DIRECTED (Last 10 years)

Sofia Arce-Flores, Gregory Bonito, Shenglei Fu, Stephanie Madson, Breana Simmons, Christina Wright, Mitchell Pavao-Zuckerman. Total Grad Students: 27

Synthesis activities (selected examples): Convened “Invertebrates as Webmasters” symposium, and edited volume (see above).

Co-Organizer of Molecular Methods in Soil Biodiversity, Taiwan Inst. For. Res., Taipei, April, 2004.

Invited Keynote address: “From Peds to Paradoxes,” Soil Ecology Society, Argonne, IL, May 22, 2005.