

## CURRICULUM VITAE

Deborah Esther Goldberg

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University of Michigan  
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EDUCATION  
1974 B.A. Barnard College, Columbia University.  
Magna cum laude. Major in biology.

1980 Ph.D. University of Arizona. Major in ecology,  
minors in geology and soils.

### PROFESSIONAL EXPERIENCE

2003- Chair, Department of Ecology and Evolutionary Biology,  
University of Michigan

2002-2003 Interim Director, Herbarium, University of Michigan

2002-2003 Associate Chair, Department of Ecology and Evolutionary Biology,  
University of Michigan

2001-2002 Interim Chair, Department of Ecology and Evolutionary Biology,  
University of Michigan

2001- Professor, Department of Ecology and Evolutionary Biology,  
University of Michigan

1998-2001 Professor, Department of Biology, University of Michigan

1989-1998 Associate Professor, Department of Biology,  
University of Michigan

1992-1994 Associate Professor, Department of Life Sciences,  
Ben Gurion University, Israel

1991 Lady Davis Visiting Professor, Hebrew University

1990-1991 Visiting Research Associate Professor,  
Department of Biology, University of New Mexico

1983-1989 Assistant Professor, Department of Biology,  
University of Michigan

- 1982-1983 Visiting Assistant Professor, W. K. Kellogg Biological Station, Michigan State University
- 1981-1982 Research Associate, W. K. Kellogg Biological Station, Michigan State University
- 1980-1981 Postdoctoral Fellow, W. K. Kellogg Biological Station, Michigan State University

#### MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Association for the Advancement of Science, Ecological Society of America, British Ecological Society, International Association of Vegetation Science, American Society of Naturalists

#### GRANT AWARDS IN SUPPORT OF RESEARCH AND TRAINING

- 2008-2012 Norwegian Research Council: The role of seeds in a changing climate: linking germination ecophysiology to population and community ecology. \$1,607,000. Co-investigator (one of 5).
- 2005-2006 UM Elizabeth Caroline Crosby Fund: Mechanisms of plant community dynamics. \$17,500.
- 2004-2006 NSF: Development of the NEON Coordinating Consortium (NCC) and Project Office. \$6,000,000. Co-Investigator.
- 2003 Office of the Vice President for Research and LSA, UM: Mechanisms and consequences of competition-colonization tradeoffs in clonal plants: from traits to processes to patterns. PI, \$14,156
- 2001-2006 NSF: Foraging in plants: Do plants selectively associate with more effective ectomycorrhizal fungi? \$286,268 (PI, with co-PI, D.R. Zak)
- 2002 Rackham Graduate School, UM, Relating vegetation dynamics to underlying processes. \$4,000
- 2001 MI DNR: Ecological regulations of plant invasions in southern Michigan fens. \$5000
- 2001 NSF: REU Supplement: Competitive ability of clonal plants: the roles of clonal integration and ramet aggregation in structuring plant communities. \$6,000
- 2000-2002 Office of the Vice President for Research, University of Michigan: Hydrogeochemical Controls on Calcareous Peatland Communities: links among phosphorus cycling, calcium carbonate precipitation, and plant species abundance and diversity, \$30,000 (with L. Walters)
- 1999-2002 NSF: Competitive ability of clonal plants: the roles of clonal integration and ramet aggregation in structuring plant communities. \$270,000 (PI, with co-PI, L. Gough)

GRANT AWARDS IN SUPPORT OF RESEARCH (cont.)

- 1998 LS&A, University of Michigan: Community consequences of competition in a clonal plant community. \$5,856
- 1997-1998 NSF: REU Supplement: The community-level consequences of species interactions. \$6,000
- 1997-1999 NSF: Mechanisms of species compositional change due to gap creation in a tall grass prairie. Dissertation improvement grant for Katie Nash Suding. \$5,716
- 1996-1999 NSF: The community-level consequences of species interactions: null community experiments with annual plants (PI, with R. Turkington, J. Gurevitch) (\$290,000)
- 1995-1996 Career Advancement Award, University of Michigan (\$5,000)
- 1994-1996 Keren Kayemet L'Yisroal: "Restoration ecology of sand dune vegetation". (\$20,000)
- 1994-1995 Office of the Vice President for Research and LS&A, UM: "Community-level consequences of competition: experiments with annual plants". (\$9,157)
- 1992-1994 BiNational Science Foundation (US-Israel): "Community level consequences of competition along productivity gradients: experiments with annual plant communities". (\$73,000)
- 1991-1992 Office of the Vice President for Research, UM: "Effects of mean vs. variance in water supply on plants from a desert grassland soil moisture gradient". (\$17,170)
- 1990-1993 National Science Foundation: "Mechanisms and consequences of resource competition in a desert grassland". (PI, \$190,000).
- 1988-1990 Rackham Faculty Research Grant: "Competitive ability in plants." (\$9,443).
- 1988-1990 National Science Foundation: "Nitrogen dynamics in a legume-nonlegume intercrop system." Dissertation Improvement grant for Margaret Reeves. (\$9,666).
- 1988 National Science Foundation: "REU: Process-level interactions in terrestrial ecosystems: an experimental approach." (\$8,000).
- 1986-1989 National Science Foundation: "Process-level interactions in terrestrial ecosystems: an experimental approach." with 7 other investigators. (DEG project \$62,892).
- 1984 Rackham Faculty Research Grant: Neighborhood competition in plants: greenhouse and field experiments." (\$5,521).

GRANT AWARDS IN SUPPORT OF RESEARCH (cont.)

1977 Graduate Student Development Award, University of Arizona  
 1976, 1978 Sigma Xi Grants-in-Aid of Research

EDITORIAL BOARDS

2007- Board of Editors, Israel Journal of Ecology and Evolution  
 2002- Board of Editors, Perspectives in Plant Ecology, Evolution, and Systematics  
 1997-2001 Associate Editor, Journal of Vegetation Science  
 1996-2003 Board of Editors, Conservation Ecology  
 1993-1996 Board of Editors, The American Naturalist  
 1989-1996 Board of Editors, Journal of Vegetation Science  
 1988-1991 Board of Editors, Ecology and Ecological Monographs  
 1986-1988 Associate Editor, American Midland Naturalist

OTHER PROFESSIONAL SERVICE

2006-2007 Chair, Ecological Society of America, MacArthur Award Committee  
 2006 Member, Executive Committee, GLACEO (Great Lakes and Central area Ecological Observatory Consortium)  
 2005 Co-chair, Invasive species subcommittee, NEON Design Consortium  
 2005-2006 Member, Ecological Society of America, MacArthur Award Committee  
 2003 NSF, Ecology Panel  
 2002-2003 Member, Ecological Society of America, Grants and Fellowship Committee  
 2000-2002 Chair-Elect and Chair, Vegetation Section, Ecol. Society of America  
 2001-2002 Member, Ecological Society of America Awards Subcommittee for Eminent Ecologist Award and Distinguished Service Award (Chair 2002)  
 2001-2004 Member, Nominating Committee, American Society of Naturalists (Chair 2004)  
 2001 NSF Site Review Committee, Kellogg Biological Station LTER  
 1999-2002 Member, Science Advisory Board for the National Center for Ecological Analysis and Synthesis, Santa Barbara, CA  
 1999, 2000, 2002 NSF, Integrated Research Challenges in Environmental Biology Panel  
 1999 Member, American Society of Naturalists Committee for the E.O. Wilson Naturalist Award  
 1998-2003 Member, Advisory Council, International Association of Vegetation Science  
 1998-2002 Ecological Society of America Awards Subcommittee for Eminent Ecologist Award and Distinguished Service Award (Chair 2001, 2002)  
 1998 NSF, Dissertation Improvement Panel  
 1997-1999 Member, Research Committee, Ecological Society of America  
 1997 NSF Site Review Committee, Cedar Creek LTER  
 1997-1998 Expert Committee to select Chair of Plant Ecology at the University of Uppsala, Sweden  
 1997 Program Committee, 40th Annual Symposium of the International Association of Vegetation Science, Ceske Budejovice, Czech Republic  
 1996 Expert consultant to evaluate candidates for lecturer faculty position at Lund University, Sweden  
 1996 NSF, Panel for CAREER program  
 1990 Ecological Society of America Council  
 1990 NSF, Ecology Panel  
 1988-1991 Committee on Status of Women and Minorities, Ecological Society of America

OTHER PROFESSIONAL SERVICE (cont.)

1989-1991 Cooper Award Committee, Ecological Society of America  
 1989, 1996,

2001, 2002 Judge, Buell Award, Ecological Society of America  
 1988 Judge, Student Paper Award, Botanical Society of America  
 1987 Member, Review Panel for Plant Toxicology and Ecology  
 Program, Corvallis Environmental Research Laboratory, EPA  
 1987 Student Poster Award Committee, Ecological Society of America  
 1985-1986 Mercer Award Committee, Ecological Society of America

Reviewer for journals: Ecology, Journal of Ecology, American Naturalist, Science, Bulletin of the Torrey Botanical Club, Canadian Journal of Botany, Evolution, American Journal of Botany, Canadian Journal of Forestry Research, Michigan Botanist, Tropical Biology, Vegetatio, Journal of Vegetation Science, Botanical Gazette, Australian Journal of Ecology, Ecoscience, Oecologia Plantarum, Wetlands, Oikos

Reviewer for granting agencies: National Science Foundation, U.S.D.A. Competitive Grants Program, Natural Sciences and Engineering Research Council of Canada, Bi-national Science Foundation (Israel-US), Israel Ecology Fund

#### SERVICE AT THE UNIVERSITY OF MICHIGAN

2006-7 (sabbatical)  
 2006 Presenter, Michigan-China University Leadership Forum, May 2006  
 2006 Chair, Graham Environmental Sustainability Institute Director Search  
 Advisory Committee  
 2005-2006 Member, Steering Committee for LSA Theme Semester on Explore  
 Evolution  
 2005-2008 Member, Executive Committee for the UM Biological Station  
 2004-2005 Biological Science Scholars Program Committee  
 2004-2006 Advisory Board, Mattaei Botanical Gardens and Arboretum  
 2003 Planning Committee for the 2003 Provost's Seminar on Teaching  
 2003 Provost's Committee to evaluate the merger of Matthaei Botanical  
 Gardens and the Nichols Arboretum  
 2003-2004 Evaluation Committee, Elizabeth Crosby Grants  
 2002-2006 President's Advisory Board on Women's Issues  
 2002 Chair, Rackham Divisional Board  
 2002 Search Committee, Associate Vice President for Research  
 2002 Search Committee, Director of UM Biological Station  
 2001-2006 Advisory Board, Program in the Environment  
 2001-2003 Rackham Divisional Board  
 2001 Search Committee, Art Coordinator, Lloyd Hall Scholars Program  
 1999-2000 (Sabbatical)  
 1995-2004 Lloyd Hall Scholars Advisory Community  
 1999 Faculty Outreach Project, LSA  
 1996 Search Committee, Associate Director of Pilot Program  
 1992-1994 On leave while faculty member at Ben Gurion University  
 1992 Search Committee, Director of Pilot Program  
 1991-1992 LSA College Curriculum Committee  
 1991-1992 Rackham Graduate School Divisional Board for Biological and Health  
 Sciences  
 1990-1991 (Sabbatical)  
 1989-1990 Pilot Program and Community College Steering Committee  
 1987 University Seminars

DEPARTMENT SERVICE

2003- Department Chair  
 2002-2003 Chair, Diversity Committee  
 2002-2003 Associate Chair, Research and Facilities  
 2001-2002 Interim Department Chair  
 2000 EEOB Graduate Evaluation Committee  
 1999-2000 sabbatical  
 1997-1999 Leader, EEOB Group  
 1995-1999 Executive Committee  
 1996-1997 Steering committee for GSI training  
 1996 Caucus for Search Committee for Epidemiology/Biology/Intl Inst.  
 1995-1997 Chair, Plant Biology Policy Committee  
 1995 EEOB Retreat Coordinator  
 1994-1995 Graduate Affairs Committee  
 1991,1994 EEOB Graduate Evaluation Committee  
 1992-1994 on leave while faculty member at Ben Gurion University, Israel  
 1991-1992 Steering Committee, Matthaei Botanical Gardens  
 1991-1992 Seminar Committee  
 1990-1991 sabbatical  
 1989-1990 Leader, Botany Group  
 1989-1990 Masters Committee  
 1987-1989 Graduate Affairs Committee (Co-Chair 1988-9)  
 1987-1988 Coordinator, Ecology Retreat  
 1986 Search Committee for Director, Matthaei Botanical Gardens  
 1984-1986 Graduate Admissions Committee  
 1985 Ecology Search Committee

COURSES TAUGHT AT THE UNIVERSITY OF MICHIGAN

Population and Community Ecology (EEB 481)  
 Special Topics in Advanced Ecology (Biology 401, with J. Vandermeer, K. Nadelhoffer)  
 Topics at the Interface of Ecology and Evolution (Biology 401, with W. Fink)  
 Introduction to Ecology: Principles and Applications (Biology 103)  
 Biology for Nonscientists (Biology 100, with M. Osgood)  
 General Ecology (Biology 381, with B. Rathcke)  
 Plant Population and Community Ecology (Biology 495)  
 Population Dynamics and Ecology (Biology 481, with J. Vandermeer)  
 Community Ecology (EEB 497, with Earl Werner)

POSTDOCTORAL FELLOWS

Ariel Novoplansky (1991-1993), currently Senior Lecturer, Ben Gurion University, Israel  
 Andy Dyer (1996-1999), currently Assistant Professor, University of South Carolina,  
 Aiken  
 Anna Sher (1998-2000), Fulbright Fellow, Blaustein Institute for Desert Research,  
 Ben Gurion University, Israel, currently Assistant Professor, University of Denver  
 Duane Peltzer (2000-2001), NSERC Fellow, University of Michigan, currently Research  
 Scientist, Landcare Research, Lincoln, New Zealand  
 Chad Hershock (2002-2003), currently Coordinator of STEM GSI Initiatives, Center for  
 Research on Learning and Teaching, UM  
 Vigdis Vandvik (2003-4), currently Assistant Professor, University of Bergen, Norway  
 Miro Kummel (2004- 2006), currently Assistant Professor, Colorado College  
 Radka Wildova (2004-)

Ph.D. STUDENTS

Betsy Kirkpatrick (Ph.D. 1990), currently Associate Professor, U. of Puget Sound  
 Drew Barton (Ph.D. 1991), currently Associate Professor, U. Maine, Farmington  
 Dan Friedus (Ph.D. 1994), currently Undergraduate Advising Office, U. of Michigan  
 John Kasmer (Ph.D. 1996), currently Associate Professor, Eastern Illinois University  
 Timothy Howard (Ph.D. 1998), currently Staff Scientist, New York State Department of  
 Environmental Conservation  
 Katherine Nash Suding (Ph.D. 1999), currently Assistant Professor, University of California,  
 Irvine  
 Chris Baraloto (Ph.D. 2001), currently Research Fellow, INRA- Kourou and Assistant Professor  
 (by courtesy), Fellow, University of Florida  
 Tara Rajaniemi (Ph.D. 2001), currently Assistant Professor, University of Massachusetts,  
 Dartmouth  
 Vicki Allison (Ph.D. 2001), currently Postdoctoral Associate, LandCare, New Zealand  
 Chad Hershock (Ph.D. 2002), currently Coordinator of STEM GSI Initiatives, Center for  
 Research on Learning and Teaching Postdoctoral Fellow, University of Michigan  
 Gary Paoli (Ph.D.2003), currently Postdoctoral Consultant, Yale University  
 Miro Kummel (Ph.D. 2004), currently Assistant Professor, Colorado College  
 Emily Farrer (Ph.D. expected 2009)  
 Current member of 6 other dissertation committees at the University of Michigan

MASTERS STUDENTS

Hagit Volin (MS 1998), currently Environmental Educator, Beer Sheva, Israel

INTERNATIONAL INTERNS SPONSORED

Iva Spackova, University of South Bohemia, Czech Republic (1997-8)  
 Martina Petru, University of South Bohemia, Czech Republic (2001)  
 Radka Wildova, Charles University and Czech Academy of Sciences, Czech Republic (2001,  
 2002, 2003)  
 Zuzana Munzbergova, Charles University and Czech Academy of Sciences, Czech Republic  
 (2004)

INVITED SEMINARS (recent)

1997 University of New Mexico, Albuquerque  
 Institute for Desert Research, Sde Boker, Israel  
 State University of New York, Stony Brook  
 1998 Kellogg Biological Station, Michigan State University  
 Jones Ecological Center, Georgia  
 Volcani Institute for Agricultural Research, Rehovot, Israel  
 Department of Forestry, Michigan State University  
 1999 University of California, Davis  
 University of Toledo, Ohio  
 2000 University of Massachusetts, Amherst

INVITED SEMINARS (recent, cont.)

- 2001 University of California, Davis  
University of Illinois, Chicago
- 2002 University of Colorado, Boulder
- 2003 University of Pittsburgh  
Michigan State University  
University of Miami
- 2006 Charles University, Prague, Czech Republic
- 2007 University of Kentucky, Lexington, KY
- 2008 University of Georgia, Athens, GA (student invited speaker)

INVITED SYMPOSIA AND WORKSHOPS

- Goldberg, D.E. 1984. Neighborhood competition in old-field communities. Ecological Society of America, Fort Collins, CO. Bull. Ecol. Soc. Amer. 65:202.
- Goldberg, D.E. 1984. Neighborhood effects and the importance of competition in plant communities. Midwest Conference on Population Biology, Purdue University.
- Goldberg, D.E. 1985. Components of individual plant success. International Association of Vegetation Science, Uppsala, Sweden. Studies in Plant Ecology 16:41-42.
- Goldberg, D.E. 1987. Competitive effect and response in plants. Perspectives in Plant Competition, Cedar Creek, Minnesota.
- Goldberg, D.E. 1988. The effect and response components of resource competition in plant communities. Botanical Society of America, Davis, California. Amer. J. Bot. 75(part 2):65.
- Goldberg, D.E. and A.M. Barton. 1989. Field experiments in plant community ecology: matching questions and experimental designs. Ecological Society of America, Toronto, Ontario. Bull. Ecol. Soc. Amer. 70:124-125.
- Goldberg, D.E., R. Turkington, L. Olsvig-Whittaker. 1993. Community-level consequences of competition. Workshop on Competition and Coexistence in Temperate Grassland Communities. Bedrichov, Czech Republic.
- Goldberg, D. E. 1995. Mechanisms and consequences of competition in plant communities. Invited plenary talk at 2nd International Conference on Forest Vegetation Management. Rotorua, New Zealand.
- Goldberg, D.E. 1996. Competitive ability: definitions, correlations, and correlated traits. Plant Life History Discussion Meeting, Royal Society, London, UK.
- Goldberg, D.E. 1997. Competition and facilitation: from individuals to communities (invited series of lectures for University of Stockholm short course on "Integrating plant population and landscape processes") .
- Goldberg, D.E. 1997. Consequences of competitive interactions in plants: scaling from individuals to communities. Invited plenary talk at 40th Annual Symposium of the International Association of Vegetation Science, Ceske Budejovice, Czech Republic.
- Goldberg, D.E. 1998. Discussion leader: Population and community consequences of phenotypic plasticity in plants. Workshop on The Consequences of Noncognitive Behavior in Plants. Sde Boqer, Israel
- Goldberg, D.E. 1999. Species interactions and patterns of biodiversity in deserts. Invited lecture at workshop: Biodiversity in Drylands: Towards a unified framework and identification of research needs. Ben Gurion University, Beer Sheva, Israel.
- Goldberg, D.E. 2001. Competition along productivity gradients in plants. Invited plenary talk at 44th Annual Symposium of the International Association of Vegetation Science, Freising, Germany

INVITED SYMPOSIA AND WORKSHOPS (cont.)

- Goldberg, D.E. 2002. Species interactions in grasslands: mechanisms and consequences. Invited lecture at Colloquium on Perspectives in Grassland Science, Institute of Plant Sciences, Zurich, Switzerland.
- Werner, E.E. and D.E. Goldberg. 2003. The legacy of Hutchinson to community ecology. Invited lecture, G. Evelyn Hutchinson Memorial Symposium, Yale University.
- Goldberg, D.E. 2004. Plant traits and competitive ability. Invited lecture at workshop: How can we forecast the impact of environmental change on biotic diversity and ecosystem function? Borchard Foundation, Missilac, France.
- Goldberg, D.E. 2005. Introduction to symposium: Integrating the dispersal-assembly and the niche-assembly paradigms in plant community ecology. Invited symposium organizer at the XVII International Botanical Congress, Vienna, Austria.
- Vandvik, V. and D.E. Goldberg. 2005. Quantifying the role of dispersal, ecological drift and species sorting in determining the diversity of local communities. Invited symposium presentation, XVII International Botanical Congress, Vienna, Austria.
- Rajaniemi, T. D.E. Goldberg, and R. Turkington. 2005. Quantitative partitioning of regional and local processes shaping productivity-diversity relationships. Invited symposium presentation, XVII International Botanical Congress, Vienna, Austria.

CONTRIBUTED PAPERS AND PUBLISHED ABSTRACTS

- Goldberg, D.E. 1979. The distribution of evergreen and deciduous plant species: an experimental study. Guild of Rocky Mountain Population Biologists, Chiricahua Mountains, Arizona.
- Goldberg, D.E. 1980. Gradient analysis of the vegetation of the Sierra Madre Occidental, Sonora, Mexico with special reference to growth form. Southwestern and Rocky Mountain Division of AAAS and Arizona-Nevada Academy of Science, Las Vegas, Nevada. J. Ariz.-Nev. Acad. Sci. 15:18.
- Goldberg, D.E. 1980. Experimental investigations into the distribution of evergreen and deciduous tree species. Ecological Society of America, Tucson, Arizona. Bull. Ecol. Soc. Amer. 61:77.
- Schaffer, W.M. and D.E. Goldberg. 1980. Variation in life history and demography in *Agave*. Society for the Study of Evolution and American Society of Naturalists, Tucson, Arizona.
- Goldberg, D.E. and P.A. Werner. 1982. The effect of size of opening and litter on seedling establishment in goldenrods. Ecological Society of America, State College, Pennsylvania. Bull. Ecol. Soc. Amer. 63:104.
- Goldberg, D.E. 1982. A new approach to determination of competitive hierarchies in plant communities. Perspectives in Plant Population Ecology, Oaxtepec, Mexico.
- Goldberg, D.E. 1984. Response of *Solidago canadensis* to neighborhood competition. Ecological Society of America, Fort Collins, Colorado. Bull. Ecol. Soc. Amer. 65:115.
- Goldberg, D.E. and K.L. Gross. 1985. Dynamics of disturbances in three old-field communities. British Ecological Society, Southampton, U.K.
- Goldberg, D.E. and T.E. Miller. 1987. The effects of water and nitrogen on productivity and diversity in a first-year old field. Ecological Society of America, Ohio State University, Columbus, Ohio. Bull. Ecol. Soc. Amer. 68:311.
- Goldberg, D.E. and A. Novoplansky. 1993. Why might competition be unimportant in unproductive environments. Bull. Ecol. Soc. Amer. 74:252.
- Novoplansky, A. and D.E. Goldberg. 1993. Plasticity and resistance to competitive suppression. Bull. Ecol. Soc. Amer. 74:376.

CONTRIBUTED PAPERS AND PUBLISHED ABSTRACTS (cont.)

- Taub, D.R. and D.E. Goldberg. 1994. Comparison of root architecture and early growth of winter annual plants from sites differing in soil resource availability. Bull. Ecol. Soc. Amer. 75:226.

- Goldberg, D.E., R. Turkington, L. Olsvig-Whittaker. 1997. Experimental studies of community-level consequences of competition in plants. *Bull. Ecol. Soc. Amer.* 78:95.
- Dyer, A., R. Turkington, D.E. Goldberg, C. Sayre. 1997. Biomass allocation and plasticity in plants from desert and mediterranean climates. *Bull. Ecol. Soc. Amer.* 78:242.
- Goldberg, D.E., R. Turkington, L. Olsvig-Whittaker. 1997. Experimental studies of community-level consequences of competition in plants. *Bull. Ecol. Soc. Amer.* 78:95.
- Dyer, A., R. Turkington, D.E. Goldberg, C. Sayre. 1997. Biomass allocation and plasticity in plants from desert and mediterranean climates. *Bull. Ecol. Soc. Amer.* 78:242.
- Howard, T. and D.E. Goldberg. 1997. Community changes in response to single species perturbations. *Bull. Ecol. Soc. Amer.* 78:259.
- Suding, K. Nash, and D.E. Goldberg. 1997. Mechanisms of species compositional change due to gap creation in a tallgrass prairie. *Bull. Ecol. Soc. Amer.* 78:318.
- Dyer, A., R. Turkington, D.E. Goldberg, C. Sayre. 1998. Trait plasticity and resource availability: a comparative analysis. Poster at Workshop on Phenotypic Plasticity in Plants: The Consequences of Noncognitive Behavior. Sde Boqer, Israel
- Dyer, A., R. Turkington, D.E. Goldberg, C. Sayre. 1998. Defining functional groups using trait data from multiple treatments. Oral presentation, Ecological Society of America, Baltimore, USA.
- Hershock, C. and D.E. Goldberg. 1998. Plant species distributions in calcareous peatlands: effects of species interactions and soil environment. Poster presentation, Ecological Society of America, Baltimore, USA.
- Lessin, L.M., A.R. Dyer, and D.E. Goldberg. 1998. Competition as a boundary constraint in desert annuals. Poster presentation, Ecological Society of America, Baltimore, USA.
- Suding, K.N. and D.E. Goldberg. 1998. Do competitive hierarchies shift due to gap creation? Separating potential mechanisms of change. Oral presentation, Ecological Society of America, Baltimore, USA.
- Goldberg, D.E., R. Turkington, and A. Dyer. 1998. Relationships of plant traits to individual-level and community-level competitive ability. *Studies in Plant Ecology* 20: 88. International Association of Vegetation Science, Uppsala, Sweden.
- Dyer, A.R., D.E. Goldberg, and R. Turkington. 1999. The effect of community density and biomass gradients on individual species performance. Oral presentation, Ecological Society of America, Spokane, USA.
- Peltzer, D.A., A.R. Dyer and D.E. Goldberg. 1999. Density-dependent germination in annual plants from desert and coastal communities in Israel. Oral presentation, Ecological Society of America, Spokane, USA.
- Rajaniemi, T. and D.E. Goldberg. 1999. Effects of aboveground competition, belowground competition, and density on plant diversity. Poster presentation, Ecological Society of America, Spokane, USA.
- Sher, A., D.E. Goldberg, and A. Novoplansky. 2000. Poster presentation, Ecological Society of America-British Ecological Society, Florida, USA.

CONTRIBUTED PAPERS AND PUBLISHED ABSTRACTS (cont.)

- Suding, K.N. and D.E. Goldberg. 2000. Fugitive species are not always competitively inferior: evidence for a shift in competitive hierarchy following soil disturbance in a grassland plant community. Oral presentation, Ecological Society of America, Snowbird, UT, USA.
- Hershock, C, and D.E. Goldberg. 2001. Community-level consequences of competition among clonal sedges. Oral presentation, Ecological Society of America, Madison, WI, USA.
- Pauliukonis, N., L. Gough, D.E. Goldberg. 2001. The role of clonal integration in the survival and growth of four wetland plant species. Oral presentation, Ecological Society of America, Madison, WI, USA.
- Baraloto, C., P-M Forget, and D.E. Goldberg. 2001. Relationships between neotropical tree seedling morphology and performance in contrasting environments. Poster presentation, Ecological Society of America, Madison, WI, USA.
- Hershock, C. and D.E. Goldberg. 2002. Relationships among clonal architecture, competitive ability, and plant species distributions in calcareous fens. Oral presentation, Ecological Society of America, Tucson, AZ, USA.
- Goldberg, D.E., A. Novoplansky, A. Sher. 2002. Competition in pulsed environments. Workshop, Pulsed Resources in Desert Environments, August 2002, Tucson, AZ, USA.
- Suding, K.N., D.E. Goldberg, T. Howard. 2003. Linking species traits to competitive ability and the structure of plant communities. Oral presentation, Ecological Society of America, Savannah, GA, USA.
- Goldberg, D.E. L. Gough, C. 2003. Traits determining competitive ability in plants. Oral presentation, 7th International Clonal Plant Workshop, University of Oulu, Finland.
- Münzbergová, Z., V. Vandvik, and D.E. Goldberg. 2004. Differential importance of niche availability and random processes for common and rare species as an explanation of species coexistence. Oral presentation, Ecological Society of America, Portland, OR.
- Vandvik, V. and D.E. Goldberg. 2004. Long-distance seed dispersal and seed banks contribute to within- and among-site diversity patterns in a grassland metacommunity. Oral presentation, Ecological Society of America, Portland, OR.
- Vandvik, V. and D.E. Goldberg. 2005. Local and regional controls of diversity in a grassland metacommunity. Oral presentation, Ecological Society of America, Montreal, Canada.
- Farrer, E.C. and D.E. Goldberg. 2006. Litter drives plant community and ecosystem changes in *Typha x glauca* invasion. Oral presentation, Ecological Society of America, Memphis, TN.
- Wildova, R., D. E. Goldberg, and T. Herben. 2007. The contrasting roles of growth and architectural traits for plant performance in monocultures and mixtures. Oral presentation, Ecological Society of America, San Jose, CA.
- Farrer, E.C. and D.E. Goldberg. 2008. Inferring plant-soil feedbacks from community dynamics. Poster presentation, Ecological Society of America, Milwaukee, WI.
- Wildova, R. and D.E. Goldberg. 2008. Oral presentation, Ecological Society of America, Milwaukee, WI.

PUBLICATIONS

1. Goldberg, D.E. 1982. The distribution of evergreen and deciduous trees relative to soil type: an example from the Sierra Madre, Mexico and a general model. *Ecology* 63:942-951.

2. Goldberg, D.E. 1982. Comparison of factors determining growth rates of deciduous vs. broad-leaf evergreen trees. *American Midland Naturalist* 108:133-143.
3. Goldberg, D.E. and P.A. Werner. 1983. Equivalence of competitors in plant communities: a null hypothesis and an experimental approach. *American Journal of Botany* 70:1098-1104.
4. Goldberg, D.E. and P.A. Werner. 1983. The effect of opening size and litter cover on seedling establishment of goldenrods (*Solidago* spp.). *Oecologia* 60:149-155.
5. Goldberg, D.E. 1985. Effects of soil pH, competition, and seed predation on the distribution of two tree species. *Ecology* 66:503-511.
6. Goldberg, D.E. and R.M. Turner. 1986. Vegetation change and plant demography in permanent plots in the Sonoran Desert. *Ecology* 67:695-712.
7. Goldberg, D.E. 1986. Plant Community Ecology: papers in honors of Robert H. Whittaker (book review). *Ecology* 67:1697.
8. Goldberg, D.E. 1987. Neighborhood competition in an old-field plant community. *Ecology* 68:1211-1223.
9. Goldberg, D.E. 1987. Seedling colonization of experimental disturbances in two old-field communities. *Bulletin of the Torrey Botanical Club* 114:139-187.
10. Goldberg, D.E. and L. Fleetwood. 1987. Comparison of competitive effects and responses among annual plants. *Journal of Ecology* 75:1131-1144.
11. Goldberg, D.E. and K.L. Gross. 1988. Disturbance regimes of midsuccessional old-fields. *Ecology* 69:1677-1688.
12. Goldberg, D.E. 1988. Response of *Solidago canadensis* clones to competition. *Oecologia* 77:357-364.
13. Bradshaw, L. and D.E. Goldberg. 1989. Resource levels in undisturbed vegetation and mole mounds in old-fields. *American Midland Naturalist* 121:176-183.
14. Goldberg, D.E. and T.E. Miller. 1990. Resource additions and species diversity in an annual plant community. *Ecology* 71:213-225.
15. Goldberg, D.E. 1990. Components of resource competition in plant communities. Pages 27-49 in: J. Grace and D. Tilman (eds.). *Perspectives in Plant Competition*. Academic Press.
16. Goldberg, D.E. and K. Landa. 1991. Competitive effect and response: hierarchies and correlated traits in the early stages of competition. *Journal of Ecology* 79:1013-1030.
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