

Dr. Anna M. Funk

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Associate editor, *Discover* magazine (August 2019-present)

Acting web editor, *Discover* magazine (February 2020-September 2020)

Assistant editor, *Discover* magazine (September 2018-August 2019)

AAAS Mass Media Fellow, *Milwaukee Journal Sentinel* (June 2018-August 2018)

EDUCATION

Ph.D., Michigan State University

East Lansing, MI

Lars Brudvig lab, Dept. Plant Biology

April 2018

Ecology, Evolutionary Biology, & Behavior Program

Dissertation title: Planting year conditions shape community assembly in restored prairie communities

B.A., Illinois Wesleyan University

Bloomington, IL

Major: Environmental Studies

May 2011

Concentrations: Ecology; Environmental Policy

Magna Cum Laude

Undergraduate Research Advisor: R. Given Harper

SCIENTIFIC PUBLICATIONS

NOTE: SCIENTIFIC PUBLICATIONS ARE UNDER "ANNA GROVES"

- Coming soon* **Groves, A.M.**, L.A. Brudvig. Experimental manipulation of planting year conditions alters prairie restoration trajectories. *In prep.*
- 2020 Grman, E., C.R. Zirbel, J.T. Bauer, **A.M. Groves**, T. Bassett, L.A. Brudvig. Super-abundant C4 grasses are a mixed blessing in restored prairies. *Restoration Ecology*.
- 2020 Werner, C.M., K.L. Stuble, **A.M. Groves**, T.P. Young. Year effects: Inter-annual variation as a driver of community assembly dynamics. *Ecology*. E03104.
- 2020 **Groves, A.M.**, J. Bauer, and L.A. Brudvig. Lasting signature of planting year weather on restored grasslands. *Scientific Reports*.10(5953).
- 2019 Barber, N.A., A.K. Farrell, R.C. Blackburn, J.T. Bauer, **A.M. Groves**, L.A. Brudvig, H.P. Jones. Grassland restoration characteristics influence phylogenetic and taxonomic structure of plant communities and suggest assembly mechanisms. *Journal of Ecology*. 107(5)2105-2120.
- 2019 **Groves, A.M.** and L.A. Brudvig. Interannual variation in precipitation and other planting conditions impacts seedling establishment in sown plant communities. *Restoration Ecology*. 27(1)128-137.
- 2013 **Groves, A.M.**, V. Berardi, P. Sweet, J. Sweet, A.P. Capparella, R.G. Harper. Latitude and winter abundance of Red-tailed Hawks (*Buteo jamaicensis*) and American Kestrels (*Falco sparverius*) in northern and central Illinois. *Journal of Raptor Research*. 47(4):410-415.

FELLOWSHIPS, AWARDS, AND SCHOLARSHIPS

- 2020 Early Career Publication Award, Ecological Restoration Section, ESA. For Groves et al. 2020 *Scientific Reports*, \$500
- 2018 AAAS Mass Media Fellowship at *Milwaukee Journal Sentinel*, sponsored by the American Society for Plant Biologists
- 2018 Dissertation Completion Fellowship; College of Natural Sciences, Michigan State, \$6000

2018	Ecology, Evolutionary Biology, & Behavior (EEBB) Summer Fellowship; EEBB Program; Michigan State, \$1900
2017	EEBB Distinguished Student Speaker; EEBB Program; Michigan State, \$500
2017	Ecological Society of America Graduate Student Policy Award
2017	Best Oral Presentation, Michigan State EEBB Research Symposium
2017	Fields Award for Outstanding Teaching, Dept. of Plant Biology, Michigan State, \$500
2017	EEBB Travel Award, EEBB Program, Michigan State, \$1,000
2017	Paul Taylor Award, Dept. Plant Biology, Michigan State, \$895
2016	Graduate School Writing Fellowship, Michigan State, \$2,000
2016	Runner-up, UWE Bristol Science Writing Competition, 18+ group, "Ecology at a Crossroads"
2016	EEBB Travel Award, EEBB Program, Michigan State, \$600
2016	Paul Taylor Award, Dept. Plant Biology, Michigan State, \$863
2016	Porter Research Award, Kellogg Biological Station, Michigan State, \$700
2016	Graduate School Fellowship, Michigan State, \$1,500
2013-2016	Graduate Research Fellowship, National Science Foundation, \$94,000
2015	Porter Research Award, Kellogg Biological Station, Michigan State, \$500
2015	Paul Taylor Award, Dept. Plant Biology, Michigan State, \$770
2014	Graduate School Fellowship, Michigan State, \$1,500
2014	Paul Taylor Award, Dept. Plant Biology, Michigan State, \$740
2012-2013	College of Natural Sciences Fellowship, Michigan State, \$26,000
2011	Outstanding Student in Environmental Studies, Illinois Wesleyan
2011	Inner Circle Award, Illinois Wesleyan
2007-2011	Alumni Scholarship, Illinois Wesleyan, \$48,000
2007-2011	National Honor Society Scholarship, Illinois Wesleyan, \$4,000

SPEAKING ENGAGEMENTS

2020	EEBB Seminar at Michigan State (Virtual). Nov 12.
2020	Environmental Communications: Alumni Panel at Illinois Wesleyan University (Virtual). Sep 29.
2020	EcoLunch at Indiana University (Virtual). Sep 14.
2020	Kellogg Biological Station, Career Panel (Virtual). Jul 6.
2020	Q&A with alumni of "Beyond the Ivory Tower" writing workshop (Virtual). Jun 19.
2020	Panel moderator, AAAS Mass Media Fellowship Orientation (Virtual). Jun 5.
2020	Fourth Annual Van Andel Institute Graduate School Career Day, Grand Rapids, MI. Mar 12.
2019	Kellogg Biological Station Career Pathways Seminar (Virtual), Michigan State. Feb 4.

PROFESSIONAL SERVICE & LEADERSHIP

PROFESSIONAL SOCIETIES

2020-present	Mentor, AAAS/The Open Notebook Mentorship Program
2017-2018	Student Representative, Ecological Society of America, Public Affairs Committee
2016-2017	Secretary, Ecological Society of America, Student Section

MICHIGAN STATE

2016-2018	Executive Committee, EEBB Program
2016-2018	First Year Advisory Committee, Dept. Plant Biology
2017	Social media coordinator, EEBB Graduate Group
2016-2017	Co-founder & President, EEBB Graduate Group
2016-2017	Organizer, Writing Group, Michigan State Graduate School

2015-2017 Webmaster, Graduate Student Organization. Dept. Plant Biology
2016 Steering Committee, Dept. Plant Biology
2012-2016 Social Chair, Graduate Student Organization. Dept. Plant Biology

PRESENTATIONS

ORAL PRESENTATIONS

- 2020 Brudvig, L., C. Catano, T. Bassett, J. Bauer, E. Grman, **A. Groves**, C. Zirbel. Forecasting restoration outcomes: the roles of assessment metric and site properties. Ecological Society of America Annual Meeting. Salt Lake City, UT. 2020 Aug 02-07.
- 2020 Bauer, J., **A. Groves**, C. Delavaux, A. Tipton, J. Bever, L. Brudvig. Assembly of plant and fungal communities within restored ecosystems. Annual Meeting of Midwest-Great Lakes Chapter of the Society for Ecological Restoration. Cleveland, OH. 2020 Mar 27-29.
- 2019 Bauer, J., **A. Groves**, C. Delavaux, A. Tipton, J. Bever, L. Brudvig. Assembly of plant and mycorrhizal fungal communities within restored ecosystems. Ecological Society of America Annual Meeting. Louisville, KY. 2019 Aug 11-16.
- 2018 Bauer, J., **A. Groves**, C. Zirbel, T. Bassett, E. Grman, L. Brudvig. Explaining, forecasting, and extrapolating predictions of biodiversity in ecological restoration. Ecological Society of America Annual Meeting. New Orleans, LA. 2018 Aug 05-10.
- 2018 **Groves, A.** Inspire session: Katherine S. McCarter Graduate Student Policy Award. Ecological Society of America Annual Meeting. New Orleans, LA. 2018 Aug 08.
- 2018 **Groves, A.** & L. Brudvig. Decades after planting, planting year effects leave signature on restored communities. Ecological Society of America Annual Meeting. New Orleans, LA. 2018 Aug 07.
- 2018 **Groves, A.** & L. Brudvig. What's in a planting year? How and why planting conditions could matter for tallgrass prairies. The Stewardship Network Conference: The Science, Practice and Art of Restoring Native Ecosystems. East Lansing, MI. 2018 Jan 12.
- 2017 **Groves, A.** Seeds vs. Weeds: A restoration odyssey. EEBB Seminar Series, Michigan State, East Lansing, MI. *Distinguished Student Speaker Award Seminar*.
- 2017 **Groves, A.** & L. Brudvig. Experimental evidence for year effects in restoration. Ecological Society of America Annual Meeting. Portland, OR. 2017 Aug 08.
- 2017 **Groves, A.** & L. Brudvig. Weeds vs. Seeds, Part I.
- Ecology, Evolutionary Biology and Behavior Research Symposium, Michigan State, East Lansing, MI. 2017 May 01. *Winner: Best Oral Presentation*.
 - Student & Post-doc Lecture Series. Dept. Plant Biology, Michigan State, East Lansing, MI. 2017 May 03.
- 2017 **Groves, A.** & L. Brudvig. The aftermath of good and bad planting years: Results from a multi-year restoration experiment. The Stewardship Network Conference: The Science, Practice and Art of Restoring Native Ecosystems. East Lansing, MI. 2017 Jan 14.
- 2016 **Groves, A.** & L. Brudvig. Conditions influencing germination set the stage for planting year effects in restoration. Ecological Society of America Annual Meeting. Ft. Lauderdale, FL. 2016 Aug 10.
- 2016 **Groves, A.** Inter-annual variability & establishment in restored prairies.
- Student Lecture Series. Dept. Plant Biology, Michigan State, East Lansing, MI. 2016 Mar 30.
 - Plant Science Graduate Student Research Symposium. Michigan State, East Lansing, MI. 2016 Mar 23.
 - Annual Meeting of Midwest-Great Lakes Chapter of the Society for Ecological Restoration. Bloomington, IN. 2016 Apr 02.

- 2016 **Groves, A.** & L. Brudvig. A “good” restoration year relies on more than just rainfall: Inter-annual variation affects initial dynamics of sown prairies. The Stewardship Network Conference: The Science, Practice and Art of Restoring Native Ecosystems. East Lansing, MI. 2016 Jan 15.
- 2015 **Groves, A.** Year effects: The role of inter-annual variation in shaping a newly sown prairie community.
- Student Lecture Series. Dept. Plant Biology, Michigan State, East Lansing, MI. 2015 Nov 18.
 - Ecology, Evolutionary Biology & Behavior Colloquium. Michigan State, East Lansing, MI. 2015 Oct 07.
- 2015 **Groves, A.** Historically contingent community assembly in restored tallgrass prairies: Applying ecological theory to explain and improve restoration outcomes. Plant Science Graduate Student Research Symposium. Michigan State, East Lansing, MI. 2015 Mar 24.

POSTER PRESENTATIONS

- 2016 **Groves, A.** & L. Brudvig. Conditions influencing germination set the stage for planting year effects in restoration. Missouri Botanical Garden Annual Fall Symposium. St. Louis, MO. 2016 Oct 08.
- 2016 Brissette, L. & **A. Groves.** The effects of seed predation on sown prairie restorations. Kellogg Biological Station Summer Undergraduate Poster Session. Hickory Corners, MI. 2016 Aug 03.
- 2015 **Groves, A.** & L. Brudvig. Year effects in a restored plant community apparent even when sowing-year precipitation held constant. Ecological Society of America Annual Meeting. Baltimore, MD. 2015 Aug 14.
- 2015 Kargul, M. & **A. Groves.** Rain garden species success in a prairie ecosystem. University Undergraduate Research and Arts Forum. Michigan State, East Lansing, MI. 2015 Apr 10. *Won first prize for best student poster in the “Plant Biology” category.*
- 2011 **Groves, A.,** V. Berardi, P. Sweet, J. Sweet, A.P. Capparella, G. Knapp, R.G. Harper. Winter abundance of Red-tailed Hawks (*Buteo jamaicensis*) and American Kestrels (*Falco sparverius*) in human-altered landscapes in northeastern and central Illinois.
- Joint meeting of the Association of Field Ornithologists, Cooper Ornithological Society, and Wilson Ornithological Society. Kearney, NE. 2011 Mar 11.
 - John Wesley Powell Student Research Conference. Illinois Wesleyan, Bloomington, IL. 2011 Apr 04.
- 2010 **Groves, A.,** G. Harper, & A. Capparella. Winter abundance and habitat preference of Red-tailed Hawks (*Buteo jamaicensis*) in northeastern and central Illinois. John Wesley Powell Student Research Conference. Illinois Wesleyan, Bloomington, IL. 2010 Apr 10.

SCIENCE COMMUNICATION & OUTREACH (2012-2018)

PUBLISHED WORK

- 2016 “Breeding for ecological restoration?” [Seed Today](#). Third Quarter.

SOCIAL MEDIA & BLOGGING

- 2016-2018 Manager of @plantpeopleblog Instagram account
- 2015-2018 Writer and curator of “Plant//People” blog (via Weebly), plantpeopleblog.com
- 2017 [Guest blog post](#), “Science degrees are not just for scientists” for Kellogg Biological Station News & Blog, 2017 Apr 26, kbs.msu.edu/about-kbs/blogs-and-news/
- 2016 [Guest blog post](#), “Can evolution help us rebuild native habitats?” for BEACON blog, 2016 Apr 09, beacon-center.org/blog/
- 2015 [Invited guest blog post](#), “Can you believe in evolution and be a Christian?” for “At a Crossroads” blog by Pastor Noah Filipiak, 2015 Aug 11, atacrossroads.net

PUBLIC OUTREACH

- 2017 "Prairies of the past & future: Replanting America's lost ecosystem." Oral presentation. Orations and Libations, American Fifth Spirits, Lansing, MI. 2017 Jan 12.
- 2016 "A history of Pokémon, its roots in natural history, and its connections to real biology." Oral presentation. Biology on Tap, Beer Grotto, Lansing, MI. 2016 Oct 25.
- 2016 "Blame it on the weatherman: How planting year conditions could be dictating the success of prairie restoration." Oral presentation. Michigan Botanical Club: Southwest Chapter Meeting. Kalamazoo, MI. 2016 Jan 18.
- 2015 "Faith & Science: Friends or Foes?" Oral presentation.
- Crossroads Church. Lansing, MI. 2015 May 03
 - The Upper Room, The Loft. Lansing, MI. 2015 May 05
- 2015 "Dichotomous Keys." Poster & activity booth.
- Lansing Charter School Science Fair. Lansing, MI. 2015 May 07.
 - Laingsburg Science Fair. Laingsburg, MI. 2015 Apr 16.
- 2015 Volunteer, Girl's Math & Science Day. Graduate Women in Science, Michigan State, East Lansing, MI. 2015 Mar 07.
- 2014 Volunteer, Science Festival. Michigan State, East Lansing, MI. 2014 Apr 05.

TEACHING

CLASSROOM EXPERIENCE

- 2015-2018 Instructor. Food, Water, & Environment. Integrative Studies in Biology, Michigan State. Fall 2015, spring 2016, fall 2017, spring 2018.
- 2016 Invited guest lecturer: Ecological Succession. Ecology. Dept Integrative Biology, Kellogg Biological Station, Michigan State. Jun 20.
- 2016 Invited guest lecturer: Ecological Restoration. Ecology Lab. Dept Integrative Biology, Kellogg Biological Station, Michigan State. Jun 13.
- 2016 Teaching Assistant. Ecology. Dept Integrative Biology, Kellogg Biological Station, Michigan State. Summer term.

LESSON PLAN DEVELOPMENT

- 2015 "Circadian Rhythms" for PLB203 (Biology of Plants)
- 2016 "Global Biodiversity" for ISB208L (Food, Water, Environment)

MENTORING

- 2016-2017 Undergraduate Mentor, Andrew Borin, Plant Biology Senior Undergraduate Research Project, Michigan State.
- 2016 Undergraduate Mentor, Logan Brissette. Undergraduate Research Assistant (URA) Program, Kellogg Biological Station, Michigan State.
- 2015 Undergraduate Mentor, Michelle Franklin & Katie Grantham. Kellogg Biological Station, Michigan State.
- 2014 Undergraduate Mentor, Meg Kargul. Undergraduate Research Assistant (URA) Program, Kellogg Biological Station, Michigan State.

ADDITIONAL COMMUNICATION TRAINING

- 2017 ComSciCon: The communicating science workshop for graduate students. Chicago, IL. Aug 26-27.
- 2017 Seminar: Visual Representations of environmental and scientific issues. Online course, School of Journalism, Michigan State. Summer term.
- 2017 Communicating Science Seminar by Maren Friesen, Aaron Garoutte, & Sheril Kirshenbaum. Michigan State. Spring term.

- 2017 Communicating Beyond Journals and Peers. Workshop by Michigan State Communications & Brand Strategy (CABS). Jan 25.
- 2016 Academic Success Seminar: Communicating Science. Seminar by Adam Reimer, Kellogg Biological Station, Michigan State. Spring term.
- 2016 Michigan State University Communication Training, Workshop by Nancy Baron, COMPASS. May 17.
- 2016 The ABT Framework: A New Science Communication Tool. Workshop by Randy Olson. Jan 23.
- 2015 Pathways to Scientific Teaching. Seminar by Diane Ebert-May, Michigan State. Fall term.

MANUSCRIPT REVIEWS

- 2016, 2017 Restoration Ecology
- 2016 Axios
- 2016 Restoration Ecology (co-written with L. Brudvig)
- 2015 Forests (co-written with L. Brudvig)
- 2015 Forest Ecology (co-written with L. Brudvig & C. Zirbel)

ADDITIONAL EXPERIENCE

- 2016-2017 PR Committee; Sistrum, Lansing Women’s Chorus, Lansing, MI
- 2012 Avian Research Technician, Great Basin Bird Observatory. Reno, NV
- 2012 Marketing Intern, Design By Robots, Chicago, IL
- 2010-2011 Field Assistant, Illinois Natural History Survey/Applied Ecological Services, Inc./Illinois Department of Natural Resources. Alton, IL
- 2009 Research Field Station Intern, McHenry County Conservation District. Ringwood, IL

HONORS & AFFILIATIONS

- 2018-present National Association of Science Writers
- 2017-present AAAS
- 2013-present Ecological Society of America, Restoration Ecology Section
- 2015-2018 Natural Areas Association
- 2013-2018 Ecological Society of America, Student Section
- 2013-2018 Society for Ecological Restoration, Midwest-Great Lakes chapter
- 2013-2018 Visiting graduate student, Kellogg Biological Station
- 2015-2017 BEACON Center for the Study of Evolution in Action
- 2011 Wilson Ornithological Society, Phi Kappa Phi, Phi Beta Kappa
- 2008 Phi Eta Sigma

LAST UPDATED: 18 SEP 2020
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