

Alec Andrew Carrigy

University of New Mexico, Department of Biology
MSC03-2020 Albuquerque, NM, 87131-0001
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Research interests Plant ecology, species interactions, global change, community ecology

Education

- 8/2016- Present PhD, Biology, University of New Mexico (UNM) – Albuquerque, NM, USA
Advisor: Scott Collins, *Co-advisor:* Jennifer Rudgers
- 9/2011-6/2016 BSc (Hons.) Ecology, University of Alberta, (UofA) – Edmonton, AB, Canada
Thesis: Community-level determinants of smooth brome invasion in a Canadian savannah
Advisor: JC Cahill, *Co-advisor:* Nadir Erbilgin

Professional Experience

- 8/2016-Present *Teaching Assistant*, Department of Biology, UNM (Albuquerque, NM)
BIOL 203L: Ecology and Evolution
- 1/2016-7/2016 *Lab/ Field Assistant*, University of Alberta (Edmonton, Alberta)
Design, construction, deployment of rainfall manipulation shelters for grasslands drought experiment, as well as various other lab tasks
Advisor: Cameron Carlyle
- 4/2015-8/2015 *Undergraduate Research*, Department of Biological Sciences, UofA (Edmonton, AB)
“Mutualistic network structure is determined by flowering traits in a Western Canadian grassland”, manuscript in prep
Advisor: Jessamyn Manson
- 8/2013-4/2014 *Undergraduate Research, Honors Thesis*, Department of Biological Sciences, UofA (Edmonton, AB). “Community-level determinants of smooth brome (*Bromus inermis*) invasion in a Canadian savannah; field experiment”
***Undergraduate publication**
Advisor: JC Cahill, Nadir Erbilgin
- 8/2013-4/2014 *Lab/ Field Assistant*, University of Alberta (Edmonton, Alberta)
Field and lab work. Helped a PhD student monitor and conduct experiments and surveys across Alberta, aided in large greenhouse experiment, processed samples
Advisor: JC Cahill

6/2013-8/2013 *Lab volunteer*, Department of Biological Sciences, UofA (Edmonton, AB)
Processed field samples (weighed, sorted vegetation and soil samples, data entry)
Advisor: JC Cahill

4/2013 *Lab volunteer*, Department of Biological Sciences, UofA (Edmonton, AB)
Set up fencing for avian behavior experiment
Advisor: Colleen Cassady-St. Clair

Professional Service

2016 *Grant reviewer*. Graduate Research Allocations Committee Travel Grant (UNM BGSA)

Research Grants

2016 *Postgraduate Scholarships- Doctoral Program*, NSERC. Title: "Soil microbial impacts on dryland plants: disentangling direct and indirect effects under multiple global change drivers" (Pending)

2015 *Undergraduate Student Research Award*, NSERC (\$4500)

2014 *Undergraduate Student Research Award*, NSERC (\$4500)

Scholarships and Awards

2016-2018 *Graduate Assistantship Supplement*, UNM Grad College (\$5000)

2016 *Dean's Silver Medal in Science*, UofA Faculty of Science

2015 *Biological Sciences Undergraduate Research Award*, UofA Biology (\$100)

2013-2014 *Henry Hearn Memorial Scholarship in Plant Biology*, UofA Biology (\$1250)

2011-2014 *Jason Lang Scholarship*, UofA (\$1000 each, \$3000 total)

2011-2015 *Dean's Science Honor Roll*, U of A

Publications

Carrigy, A.A., Stotz, G.C, Dettlaff, M., Pec, G.J., Inderjit, Erbilgin, N. & Cahill, J.F., Jr. 2016. Community-level determinants of smooth brome invasion in a Canadian savannah. *Plant Ecology* 217(11): 1395-1413.

Teaching Experience

8/2016-Present *Teaching Assistant*, Department of Biology, UNM (Albuquerque, NM)
BIOL 203L: Ecology and Evolution

Scientific presentations

2015 Poster, R.E. Peter Biology Conference, Edmonton AB

2015 Poster, Botany, Edmonton, AB

Professional Memberships

Biology Graduate Students' Association (BGSA), UNM