

# Peter Chuckran

Flagstaff, AZ

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## Education:

**Northern Arizona University**, Flagstaff, AZ

Ecosystem Science and Society Center

Masters of Science, Current

**Syracuse University**, Syracuse, NY

Bachelors of Science in Biology with a focus in Environmental Sciences, May 2012

Honors: Distinction in Biology Program

## Experience:

**National Ecological Observation Network**, Moab, UT

Lead Seasonal Field Technician: February 2017 - August 2017

**Northern Arizona University**, Flagstaff, AZ

Research Technician: October 2015 - February 2017

**Canyonlands Research Station, U.S. Geological Survey**, Moab, UT

Biological Science Technician: February 2013 - October 2015

**Yellowstone National Park/Syracuse University**, Yellowstone National Park, WY

Field Assistant: May 2012-October 2012

**Frank Lab**, Syracuse University Life Sciences Complex, Syracuse, NY

Undergraduate Researcher: January 2010-May 2012

**Lewis Lab**, Syracuse University Life Sciences Complex, Syracuse, NY

Lab Assistant: Zebrafish Husbandry: January 2011-May 2012

**Pitnick Lab**, Syracuse University Life Sciences Complex, Syracuse, NY

Lab Assistant: August 2010-May 2012

## Publications

Antoninka A, Bowker MA, **Chuckran P**, Barger NN, Reed S, Belnap J. 2017. Maximizing establishment and survivorship of field-collected and greenhouse-cultivated biocrusts in a semi-cold desert. *Plant and Soil*.

<https://doi.org/10.1007/s11104-017-3300-3>

**Chuckran P**, Frank DA. 2013. Herbivores regulate the sensitivity of soil organic carbon decomposition to warming. *Environmental Research Letters* 8: 044013.

## **Presentations/Posters:**

### **Biocrust 3, 2016**

“Rapid culture of N-fixing soil lichens and biocrusts for rehabilitation of drylands”

Antoninka A.J., M.A. Bowker, **P.F. Chuckran**, N. Barger, and J. Belnap.

### **13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, 2015**

“Organic matter transfer between litter and soil: the fate of litter in drylands”

**Chuckran, P.F.**, and S.C. Reed

### **American Geophysical Union, San Francisco, 2012**

“Consumer Control of Grassland Carbon Processes”

D. Frank and **P. Chuckran**

### **Syracuse Undergraduate Research Seminar, 2011, 2012**

“How will Ungulate Grazing affect Soil Carbon Storage in a Warmer World?”

**P. Chuckran** and D. Frank

### **Syracuse University Showcase, 2011**

“Respiration in Soil Microbial Communities”

**P. Chuckran** and D. Frank

## **Volunteer Work:**

### **Flagstaff CSA and Local Market**

2016, 2017

### **Bison Management Team, Yellowstone National Park, WY**

2012

## **Experience, Skills and Certifications:**

CPR Certified  
First Aid Certified  
Microsoft Office  
SigmaPlot Statistical Software  
R Studio  
GPS Experience  
TOC/TDN Analyzer  
CHN Analyzer  
Decagon Data Loggers

Ankom 2000 Plant Fiber Analyzer  
MINI-PAM Fluorometer  
Li-8100 Soil Flux System  
Li-6400XT Portable Photosynthesis System  
Sterilization Techniques  
Tabletop IRGAs  
Professional Writing  
Rock Climbing  
Scuba Certified  
Radio telemetry