

Chlöe Fackler

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Education

McGill University, Montréal, Québec *Graduated 04/2019*
Bachelor of Science (Ag.Env.Sc.), Honors Environmental Biology
With major specialization in Plant Biology and Minor in Anthropology/Archaeology

Texas A&M University, College Station, Texas *September 2020 - Present*
Doctor of Philosophy (PhD), Archaeology

Awards

The Botanical Society of America, Young Botanist Award *04/2019*
McGill University, Tomlinson Peer Mentor Award for PLNT 358 *08/2018*
The Society of Ethnobiology, Undergraduate Ethnobiologist Award *06/2018*

Publications and Presentations

Fackler, C. 2019. Eat the weeds: Human relations with invasive Garlic Mustard (*Alliaria petiolata*) in the lower Saint Lawrence River Valley. Poster session presented at the annual meeting of the Society of Ethnobiology, Vancouver, BC.

Fackler, C. 2016. Three ethnobotanically important plants of Texas: Southern Prickly Ash, Ocotillo, and Jimson Weed. *HerbalEGram*. 13(8). Published by American Botanical Council.

Fackler, C. 2013. Effects of elevation on woody plant distribution in Barton Creek greenbelt. Report submitted to the city of Austin.

Teaching Experience

Texas A&M University, College Station, Texas *01/2021 – 05/2021*
Teaching Assistant for ANTH 301 (Indians of North America)

Texas A&M University, College Station, Texas *08/2020 – 12/2020*
Teaching Assistant for ANTH 205 (Peoples and Cultures of the World)

McGill University, Montréal, Québec *08/2018 – 12/2018*
Teaching Assistant for PLNT 358 (Flowering Plant Diversity)

Professional Experience

The Society of Ethnobiology, Tacoma, WA *10/2017 – Present*
SoE Social Media Coordinator Assistant and Student Board Member

- Manage social media and online presence of the society, its publications, and its conference
- Help run student board meetings, champion student member needs, and prepare for conferences
- Augment societal involvement, especially among students
- Maintain online interest in the society and help with publications for the Forage! Blog

McGill University Plant-Insect Interactions Laboratory, Montréal, QC 08/2018 – 04/2019
Student Research Assistant

- Characterize glucosinolate and other specialized metabolites in the invasive Garlic Mustard (*Alliaria petiolata*) using extraction techniques and HPLC-MS, HPTLC, GC, and spectrophotometry analytical methods
- Ran ecological and botanical surveys of invasive Garlic Mustard in both public and private parks to map its spread using GIS

McGill University Department of Plant Science, Montréal, QC 09/2016 – 04/2019
Greenhouse Technician

- Maintains the research and teaching greenhouses, and the permanent plant collections
- Manage biocontrol measures in place to handle plant and general building pests

McGill University Department of Plant Science, Montréal, QC 09/2015 – 05/2016
Herbarium Assistant

- Aided Dr. Marcia Waterway with her research on the phylogeny of *Cyperaceae*
- Organized, mounted, photographed, and documented herbarium specimens

Austin Watershed Protection Agency, Austin, TX 01/2013 – 05/2014
Citizen Scientist

- Identified and documented invasive, naturalized, and native species in Central Texas
- Removed invasive plants and animals affecting local ecosystems

Internships

Macrobotanical Analysis, Austin, TX 05/2021 – 09/2021

- Assisted on the ASWT Eagle Cave macrobotanical and anthracological project
- Learned macrobotanical and anthracological analysis for west, central, and southwest Texas
- Practiced archaeological floatation

Texas Archaeological Research Laboratory, Austin, TX 05/2018 – 08/2018, 04/2019 – 08/2019

- Catalogued, cleaned, sorted, and identified components of the George C. Davis ethnobotanical collection from the Caddo Mounds archaeological site
- Accessioned collection for permanent storage

American Botanical Council, Austin, TX 05/2016 – 08/2016

- Aided in the medicinal plant garden maintenance
- Made medicinal salves and balms, as well as ferments, from locally harvested plants

Technical Skills and Research Interests

- Taxonomic, ecological, and ethnobiological knowledge of native, naturalized, and endangered flora and fauna in Texas, Louisiana, the southwestern US, and eastern Canada
- Historical and current knowledge of southeastern and southwestern indigenous peoples
- Grown and cultivated orchids, carnivorous, edible, and medicinal plants for 15+ years both outdoors and in greenhouses
- Field surveying, survey and census methodology, especially in wetlands, deserts, grasslands, and mixed deciduous forests
- HPTLC, HPLC, MS, GC, spectrophotometry
- MS Suite
- Adobe Photoshop, Illustrator, Acrobat, InDesign
- SAS, JMP

- SPSS
- R
- ArcGIS, GRASS GIS, GPS
- ImageJ
- Certified in hazardous waste management and disposal for laboratory
- First aid and CPR trained
- CITI trained

Professional Associations

The Society of Ethnobiology
Botanical Society of America

Texas Archaeological Society
Council of Texas Archaeologists

Languages

English (Fluent)

French (Intermediate)

Volunteer Involvement

PlantingScience

Present

iNaturalist

Present

The Society of Ethnobiology

Present

Texas Archaeological Research Laboratory

Summer 2019

McGill Herbarium

Thursdays and Fridays, 2015 – 04/2019

Ladybird Johnson Wildflower Center

Weekends, 2013 – 2014

TreeFolks

Summer 2012