ALISSA IVERSON

Floristic and Outreach Coordinator at Denver Botanic Gardens
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EDUCATION

UNIVERSITY OF COLORADO, DENVER | Denver, CO — Anticipated Graduation Spring 2022
Affiliated with Denver Botanic Gardens
MS in Integrative Biology

Thesis: "Evaluating the potential for plant community change in an urban canal undergoing hydrologic disturbance from Green Stormwater Infrastructure" | Overall GPA: **4.0**/4.0

BLACK HILLS STATE UNIVERSITY | Spearfish, SD — Graduated December 2017
BS in Environmental Biology and Chemistry Minor as University Honors Scholar

Overall GPA: **3.7**/4.0 | GPA in upper-level biology: **3.8**/4.0 | Dean's List: 6 semesters | *Cum laude*
Honors Capstone: "Evaluating the Clonal Structure of Invasive Ivy through Microsatellite Markers"

RESEARCH & BOTANY EXPERIENCE

FLORISTIC AND OUTREACH COORDINATOR — February 2023 – Present
Denver Botanic Gardens | Research and Conservation Department | Denver, CO

- Conduct targeted surveys to build natural history collections for Kathryn Klambach Herbarium of Vascular Plants and Sam Mitchel Herbarium of Fungi, with emphasis on filling gaps in collections
- Develop and oversee outreach programs for the Research & Conservation Department

BOTANY RESEARCH ASSISTANT — May 2022 – July 2022
University of Colorado, Denver | Denver Botanic Gardens | Denver, CO
Project: *Tree Health Survey of Saplings along Urban Canal in Denver, Colorado*

SEASONAL BOTANIST — May 2021 – August 2021
Denver Botanic Gardens | Denver, CO
Project: *Incorporation of indaziflam (Rejuvra) into Boulder County Parks and Open Space Weed Management: A Post-Fire Assessment*

BIOLOGICAL TECHNICIAN (PLANTS) | GS-0404-05 — May 2018 – October 2018
National Park Service | Crater Lake National Park, OR

HERBARIUM RESEARCH ASSISTANT — September 2015 – February 2018
School of Natural Sciences | Black Hills State University | Spearfish, SD
Project: *The botanical legacy of the Chinatown District in Deadwood, SD, as inferred from archeological samples and extant vegetation surveys*

LAB RESEARCH FELLOW — June 2016 – August 2016 & June 2017 – August 2017
SD Biomedical Research Infrastructure Network | Black Hills State University | Spearfish, SD
Project: *Evaluating the clonal structure of invasive ivy through microsatellite markers*

FIELD & GARDEN RESEARCH ASSISTANT — October 2014 – August 2016
School of Natural Sciences | Black Hills State University | Spearfish, SD
Project: *Stand structure and dendrochronology of ponderosa pine in forest-prairie ecotones*

CHEMISTRY RESEARCH ASSISTANT — September 2014 – September 2015
Chemistry Research Center, Black Hills State University | Spearfish, SD
Project: *Evaluation of copper catalysts in photo-redox reactions*

TEACHING & OUTREACH EXPERIENCE

TEACHING ASSISTANT — August 2020 – December 2022
University of Colorado, Denver | Denver, CO

OUTREACH ASSOCIATE — November 2018 – June 2019
Three Degrees Renewable Energy | Talent, OR

WRITING CONSULTANT — August 2014 – December 2017
Writing Assistance Center | Black Hills State University | Spearfish, SD

RESEARCH PRESENTATIONS

Iverson, A., C. Alba. Soil seed bank of an urban canal undergoing hydrologic disturbance. Poster. Natural Areas Association (NAA). Duluth, MN. September 2022. *

Iverson, A., C. Alba. Soil seed bank of an urban canal undergoing hydrologic disturbance. Poster. High Altitude Revegetation Committee – Society for Ecological Restoration – Rocky Mountains Chapter (HAR SER-RM). Fort Collins, CO. April 2022.

Iverson, A. Evaluating the clonal structure of invasive ivy through microsatellite markers. University Honors Capstone Defense, Geek Speak Lecture Series, Black Hills State University. Spearfish, SD. December 2017.

Iverson, A., A. Hafele, T. Ramsey & J. Ramsey. Evaluating the clonal structure of invasive ivy through microsatellite markers. Joint Meetings of SD EPSCoR/BRIN, Pierre, SD. July 2017.

Ramsey, T., D. Coppe, **A. Iverson**, M. Gabel, & J. Ramsey. Botanical legacy of the Chinatown District in Deadwood inferred from archeological samples and extant vegetation. Meetings of the South Dakota Academy of Sciences, Mitchell, SD. April 2017.

Iverson, A., A. Hafele, T. Ramsey & J. Ramsey. Testing of microsatellites for fragment polymorphism and suitability to evaluate clonal structure. Black Hills Research Symposium, Spearfish, SD. March 2017.

Jones, N., **A. Iverson**, A. Hafele, T. Ramsey, & J. Ramsey. Comparison of environmental distributions of *Hedera helix* (2*x*) and *H. hibernica* (4*x*) based on bioinformatics approaches and niche modeling. Joint Meetings of SD EPSCoR/BRIN, Pierre, SD. July 2016.

Iverson, A. N. Jones, A. Hafele, T. Ramsey, & J. Ramsey. Testing microsatellite markers for fragment polymorphism and suitability to evaluate clonal structure in invasive ivy populations. Joint Meetings of SD EPSCoR/BRIN, Pierre, SD. July 2016.

Iverson, A. Monsters in the shadow: an analysis of the zombie apocalypse craze through the lens of Jung & Cohen. National Conference for Undergraduate Research (NCUR), Spokane, WA. April 2014.

Iverson, A. Monsters in the shadow. Black Hills State University Research Symposium, Spearfish, SD. March 2014.

*awarded 1st place in the student poster competition

MANUSCRIPTS IN DEVELOPMENT

Ramsey, T., D. Coppe, **A. Iverson**, M. Gabel, & J. Ramsey. The botanical legacy of the Chinatown District in Deadwood, South Dakota, as inferred from areological samples and extant vegetation surveys. *Proceedings of the South Dakota Academy of Sciences*.

Ramsey, T., **A. Iverson**, A. Hafele, & J. Ramsey. Dispersal, recruitment, and clonal structure of an invasive vine (*Hedera hibernica)* in an urban forest. *Landscape & Urban Planning*.

AWARDS & ACTIVITIES

Awarded first place in poster competition at national Natural Areas Association 2022 Conference | $100
Awarded CLAS Travel Grant | $500 | 2022
Awarded Integrative Biology Program Travel Grant | $400 | 2022
Awarded Colorado Native Plant Society John Marr Grant | $741 | 2021
Awarded competitive SD Biomedical Research Internship Network Fellowship in 2016 and 2017

Social Representative for Integrative Biology Graduate Program | 2021-2022 | UC-Denver
Speech and Debate Team Captain | 2014 – 2017 | and Competitor | 2013 – 2017 | BHSU
Founder and Vice President of Women in STEM | 2016 – 2017 | BHSU