

Danielle R. Haskett Jennings

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EDUCATION

Ph.D. 2020. Geography, University of Georgia, Athens, GA
Dissertation: *Climatic and Environmental Change in the Colorado Rocky Mountains During the Late Quaternary: A Paleolimnological Approach*
*GIS Certificate

M.S. 2013. Geography, University of Georgia, Athens, GA
Thesis: *A Quantitative Midge-Based Reconstruction of Thermal Conditions in Central Colorado during Marine Isotope Stage 5.*

B.S. 2004. Geology (Minor: Geography)
University of Georgia, Athens, GA.

APPOINTMENTS

2022 – Present **University of Montevallo** Montevallo, AL
Assistant Professor Department of Environmental Studies

2020 – Present **South Dakota State University** Brookings, SD
Assistant Professor Department of Geography and Geospatial Sciences

2019 – 2020 **University of Georgia** Athens, GA
Research Assistant Center for Geospatial Research

2017 – 2019 **University of Georgia**
Athens, GA
Research Assistant Center for Applied Isotope Studies

2016 – 2017 **Southeastern Geographer** Athens, GA
Editorial Assistant

2014 **NASA DEVELOP National Program** Athens, GA
Intern

2012 – 2017 <i>Teaching Assistant</i>	University of Georgia Department of Geography	Athens, GA
2009 – 2011 <i>Gemologist</i>	Union Diamond	Atlanta, GA
2006 – 2009 <i>Gemologist</i>	Gemological Institute of America	New York City, NY

RESEARCH GRANTS

2022	Explorer’s Club Discovery Expedition Grant: Mangroves, Tourism, and Capuchin Conservation. Andrea Presotto and Danielle Haskett Jennings (Co-PI) – \$10,000
2021	NSF CAREER Grant: CAREER: The Establishment of Chironomid Communities in Proglacial Lakes and their implication for Paleoenvironmental and Palaeoclimatological Chironomid Proxy Research. Danielle Haskett Jennings (PI) – \$575,689 (not funded)
2017 – 2018	The University of Georgia Graduate School 2017 Summer Research Travel Grant for Doctoral Students. Danielle Haskett (PI) - \$2,000
	Geological Society of America Graduate Student Research Award: Climate and Environmental Change in the Colorado Rocky Mountains during the late Quaternary: An Analogue for a Warm Future. Danielle Haskett (PI) - \$1,325
	Explorers Club Exploration Fund Grant: 12,000 years of Climate Change and Environmental Change in the Colorado Rocky Mountains: Analogues for a Warm Future. Danielle Haskett (PI) - \$1,500
	Explorers Club Exploration Fund Grant, Atlanta Chapter: 12,000 years of Climate Change and Environmental Change in the Colorado Rocky Mountains: Analogues for a Warm Future. Danielle Haskett (PI) - \$1,000
2016 – 2017	University of Georgia Graduate School Student Travel Grant - \$1,843
2016 – 2018	NSF GSS DDRI: Doctoral Dissertation Research: Climate and Environmental Change in the Colorado Rocky Mountains During the Late Quaternary: An Analogue for a Warm Future. David Porinchu (PI) and Danielle Haskett (Co-PI) - \$15,960.
2016 - 2017	CESU Task Agreement (Department of the Interior): Benthic Invertebrate Response to Climate and Environmental Change in the Colorado Rocky Mountains during the Recent Past and the Holocene. David Porinchu (PI) and Danielle Haskett (Co-PI) - \$11,000

- 2012 - 2014 **Office of STEM Education Small Grant, University of Georgia.** The Development of "Inquiry-Based" Exercises on Local Physical Geographic Processes and Landforms for Geography 1111L: An Introduction to Physical Geography Laboratory Sections. Grundstein, A., Porinchu, D.F., Vercoe, R.A., Akers, P.D., **Haskett, D.R.**, and Das, U. - **\$4,500**
- 2012 – 2013 **Geological Society of America Graduate Student Research Award:** A Paleolimnological Study of Late Quaternary Climate Change in the Colorado Rockies. Danielle Haskett (PI) - **\$1,428**

AWARDS

- 2017 AAG – Biogeography Specialty Group presentation competition: PhD Paper Presentation winner
AAG – Paleoenvironmental Change Specialty Group presentation competition: PhD Paper Presentation winner
- 2016 Kerry Kelts Award (**\$1000**): Limnogeology Specialty Group (GSA)
- 2015 Outstanding Graduate Teaching Award: Geography Department (UGA)
Phi Kappa Phi member
Sigma Xi member
- 2013 AAG – Paleoenvironmental Specialty Group presentation competition: Undergraduate/M.S. Paper Presentation winner
- 2000 – 2004 HOPE Scholarship

PEER-REVIEWED PUBLICATIONS

- 2022 **Haskett Jennings, D.R.** Which lakes should be selected for paleoenvironmental chironomid work? Considerations for study site selection. *Palaeogeography, Palaeoclimatology, Palaeoecology* - (**Under Review**)
- Haskett Jennings, D.R.,** G. Jiménez-Moreno, and R.S. Anderson. Chironomid Evidence of glacial retreat and corresponding changes in surface water temperatures during the Pleistocene-Holocene transition from an alpine lake in Colorado, USA. (**In Prep**)
- 2021 **Jennings, D.R.H.,** 2021. Does glacial retreat impact benthic chironomid communities? A case study from Rocky Mountain National Park, Colorado. *SN Applied Sciences*, 3(12), pp.1-14.
- 2017 Porinchu, D.F., **Haskett, D.R.** and Reinemann, S.A., 2017. Biostratigraphic evidence of human modification of high elevation aquatic ecosystems in the Intermountain West of the United States. *Anthropocene*, 20, pp.37-47.
- 2014 **Haskett, D.R** and D.F. Porinchu. A quantitative midge-based reconstruction of thermal conditions in central Colorado during marine isotope stage 5. *Quaternary Research* 82 (3), pg 580-591.

Miller, I.M., Pigati, J.S., Anderson, R.S., Johnson, K.R., Ager, T.A., Baker, R.G., Blaauw, M., Bright, J., Brown, P.M., Bryant, B., Calamari, Z.T., Carrara, P.E., Cherney, M.D., Davis, E.B., Demboski, J.R., Elias, S.A. Fisher, D.C., Graham, R.W., Gray, H.J., **Haskett, D.R.**, Honke, J.S., Jackson, S.T., Jiménez-Moreno, G., Kline, D., Leonard, E.M., Lifton, N.A., Lucking, C., Mahan, S.A., McDonald, H.G., McHorse, B.K., Miller, D.M., Muhs, D.R., Nash, S.E., Newton, C., Paces, J.B., Petrie, L., Plummer, M.A., Porinchu, D.F., Rountrey, A.N., Scott, E., Sertich, J.J.W., Sharpe, S.E., Skipp, G.L., Strickland, L.E., Stucky, R.K., Thompson, R.S., Wilson, J. A high-elevation, multi-proxy biotic and environmental record of MIS 6-4 from the southern Rocky Mountains, Colorado, USA. *Quaternary Research* 82 (3), pg 618-634.

INVITED RESEARCH PRESENTATIONS

2022 **Haskett Jennings, D.R.** The Establishment of Chironomid Communities in Proglacial Lakes and their implication for Paleoenvironmental and Palaeoclimatological Chironomid Proxy Research. South Dakota State 53rd Geography Convention (04/01/2022).

Haskett Jennings, D.R. The Establishment of Chironomid Communities in Proglacial Lakes and their implication for Paleoenvironmental and Palaeoclimatological Chironomid Proxy Research. South Dakota School of Mines Seminar Speaker (04/22/2022).

2021 **Haskett Jennings, D.R.** The Establishment of Chironomid Communities in Proglacial Lakes and their implication for Paleoenvironmental and Palaeoclimatological Chironomid Proxy Research. South Dakota State University Geography Department (10/06/2021).

2020 **Haskett Jennings, D.R.** The role of chironomids as a proxy in paleoclimate research. South Dakota State University Chemistry Department (10/09/2020).

Haskett Jennings, D.R. The role of chironomids as a proxy in paleoclimate research. Biogeography Class, Salisbury University, Maryland (10/14/2020).

2016 Invited panelist for the Panel Session on Graduate Student Teaching at the 2016 SEDAAG Meeting titled "Title: When Graduate Students Teach: Tips and Strategies to Help You Succeed". (11/21/16)

RESEARCH PAPERS AND POSTERS

2021 **Haskett Jennings, D.R.** Is Glacial Retreat Impacting Modern Benthic Chironomid Communities? A Case Study from Rocky Mountain National Park, Colorado. American Association of Geographers Virtual Annual Meeting, Seattle, WA. (4/7/21).

2018 **Haskett, D.R.** and D.F. Porinchu. Chironomid community response to recent climate and environmental change in Rocky Mountain National Park, Colorado. American Association of Geographers 114th Annual Meeting, New Orleans, LA. (4/10/18).

- 2017** **Haskett, D.R.** and D.F. Porinchu. Benthic Invertebrate Response to Climate and Environmental Change in the Colorado Rocky Mountains during the Recent Past. The Continental Divide Research Learning Center Biennial Research Conference, Estes Park, CO. (3/2/17)
- Haskett, D.R.** and D.F. Porinchu. Climate and Environmental Change in the Colorado Rocky Mountains during the Late Quaternary: An Analogue for a Warm Future. American Association of Geographers 113th Annual Meeting, Boston, MA. (4/8/17).
- 2015** **Haskett, D.R.**, Bartelme, B., Sari, I., Astuti, Ghosh, S., Page, B., Remillard, C., Simpson, S. Developing a Cyanobacteria Detection Tool for Georgia Inland Waters Using NASA Landsat 8 OLI Data for Water Quality Protection and Restoration. American Association of Geographers 111th Annual Meeting, Chicago, IL. (04/25/15).
- 2014** **Haskett, D.R.** and D.F. Porinchu. A quantitative midge-based reconstruction of mean July air temperature from a high elevation site in central Colorado for MIS 6 and MIS 5. Southeastern Division of the American of American Geographers 69th Annual Meeting, Athens, GA. (11/25/14).
- Ghosh, S., B. Bartelme, I.S. Astuti, E. Benyshek, **D.R. Haskett**, J. He, B. Page, S. Wilde, D. Mishra. Developing a Cyanobacteria Detection Tool for Georgia Inland Waters Using NASA Landsat 8 OLI Data for Water Quality Protection and Restoration. Southeastern Division of the American of American Geographers 69th Annual Meeting, Athens, GA (11/25/14).
- Haskett, D.R.** and D.F. Porinchu. A quantitative midge-based reconstruction of mean July air temperature from a high-elevation site in central Colorado, USA, for MIS 6 and 5. Graduate Climate Conference 8th Annual Meeting, UW Pack Forest Conference Center, WA. (10/31/14 – 11/2/14).
- Haskett, D.R.** and D.F. Porinchu. A Midge-based Reconstruction of Thermal Conditions in the Central Colorado Rockies during Marine Isotope Stage 5. American Association of Geographers 110th Annual Meeting, Tampa, FL. (04/08/14).
- 2013** **Haskett, D.R.** and D.F. Porinchu. A quantitative midge-based reconstruction of thermal conditions in central Colorado during Marine Isotope Stage 5. Geological Society of America 125th Annual Meeting, Denver, CO. (10/30/13).
- Haskett, D.R.**, D.F. Porinchu. A Chironomid-based Reconstruction of Late Quaternary Thermal Conditions at the Snowmastodon Site, Snowmass Village, Colorado. American Association of Geographers 109th Annual Meeting, Los Angeles, CA. (04/10/13)
- 2012** Porinchu, D.F., **Haskett, D.R.** Late Quaternary climate change at the Snowmastodon Site, Snowmass Village, CO: Preliminary results from sub-fossil midge analysis. Denver Museum of Nature and Science (06/25/12)
- Porinchu, D.F., Reinemann, S. and **Haskett D.R.** Holocene climate variability in the Intermountain West: Evidence from lake sediment. MNTCLIM: Consortium for Integrated Climate Research in Western Mountains (CIRMOUNT), Estes Park, CO (10/02/12).

COURSES AND TEACHING DEVELOPMENT

- 2022-2023** ES 100: Environmental Science
ES 401/GB460 Climate Change: The Science, Reporting and Governance of a Changing World
- 2021 – 2022** GEOG 132: Natural Landscapes (2 Fall, 2 Spring)
GEOG 714: Research and Writing (1 Spring)
- 2020 – 2021** GEOG 132: Natural Landscapes (2 Fall, 2 Spring)
GEOG 714: Research and Writing (1 Spring)
Completed Center for Teaching and Learning Professional Development Certificate

COMMITTEES AND SERVICE

- 2022-2023** * Attended Curriculum Mapping Institute (8/11-12, 2022)
- 2020-2021** * Elected to be the AAG Biogeography's Grants and Awards Officer
* Acted as a reviewer and judge for student awards for the AAG Biogeography Specialty Group (April 7-10, 2021)
* Chair for AAG PEC specialty group session (April 7, 2021)
* SDSU Alumni Engagement Team
* Responsible for managing GTAs for GEOG 132
* Participated in ALLY Pilot Program
* CNS Faculty Development Planning Team
* RCS Committee
* URSCAD Reviewer
* First Generation Faculty Mentoring Program Committee (Wintrode Center)
- 2017-2018** Graduate Student Representative of the Geography Department Colloquium Review Committee
University of Georgia
- 2017** Graduate Student Representative on the hiring committee for the Graduate Program Administrator Position – University of Georgia
- 2016-2017** Secretary for the Geography Grad Student Association, Geography Department, UGA
- 2013-2017** GEOG 1111L Lab Coordinator – University of Georgia
- 2012-2013** GeogDawg Representative, Geography Department, University of Georgia
- 2012-2015** Undergraduate Conference Judge, Geography Department, University of Georgia

FIELDWORK

- 2017 Collected long sediment cores from a high elevation lake in Rocky Mountain National Park, CO
- 2016 Collected short cores for lake sediment and water samples for geochemistry in Rocky Mountain National Park, CO
- 2015 Collected sediment and limnological data in Rocky Mountain National Park, CO
- 2012 Collected sediment and limnological data in the Rocky Mountains: CO
Field Assistant for GEOL 4010: Life and Ecologies of Past (UGA): Sapelo Island, GA
- 2004 Geology Field School: CO, NM, UT

SKILLS

- * Programs: R, SigmaPlot, Canoco, ArcGIS, Microsoft Office Suite, Adobe Illustrator Suite
- * Instrumentation: Elemental Analyzer, Binocular Microscope, Illuminator Polariscopes, Spectroscopes, Refractometer, Petrographic Microscope, standard limnological instruments, Microbalance, Gas Bench, PreCon.

PROFESSIONAL MEMBERSHIPS

- *British Ecological Society (2021-Present)
- *South Dakota Teaching Association (2021 – Present)
- *Association for the Sciences of Limnology and Oceanography (2020 – Present)
- *Association of American Geographers (2011 – Present)
 - Grants and Awards Officer for the Biogeography Specialty Group (2021-2023)*
 - Student Representative for the Mountain Geography Specialty Group (2014 – 2016)*
 - Student Representative for the Paleoenvironmental Change Specialty Group (2017-2018)*
- *Geological Society of America (2011 – Present)
- *Southeastern Division of American Geographers (2011 – 2020)