

CURRICULUM VITAE

JULIE EDWARDS

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EDUCATION	UNIVERSITY OF ARIZONA	Tucson, AZ
	2024 (<i>anticipated</i>) Ph.D., Geography	
	Primary Advisor: Dr. Kevin Anchukaitis	

2020 M.A., Geography
Thesis: *The enigmatic northwestern North America climate response to the 1783 Laki eruption*

UNIVERSITY OF CALIFORNIA, LOS ANGELES
2015 B.A., Geography/Environmental Studies
 Minor: GIS&T, and Art History
 Henry Samueli School of Engineering and Applied Science Dean's Honor List

Los Angeles, CA

RESEARCH INTERESTS

Paleoclimate, high-latitude ecosystem vulnerability, climate modeling, and climate extremes

PUBLICATIONS *Peer-Reviewed Papers*

Edwards, J., Anchukaitis, K. J., Zambri, B., Andreu-Hayles, L., Oelkers, R., D'Arrigo, R., & von Arx, G. Intra-annual climate anomalies in northwestern North America following the 1783-1784 CE Laki eruption. *Journal of Geophysical Research: Atmospheres*, 125, 2020JD033544. doi: [10.1029/2020JD033544](https://doi.org/10.1029/2020JD033544), 2020.

Meko D., I. Panyushkina, L. Agafonov, **J. Edwards**, Impact of high flows of an Arctic river on ring widths of floodplain trees. *The Holocene*, 2020;30(6):789-798. doi:[10.1177/0959683620902217](https://doi.org/10.1177/0959683620902217), 2020.

APPOINTMENTS UNIVERSITY OF ARIZONA Tucson, AZ
2018 – Graduate Research Assistant
 School of Geography and Development, Laboratory of Tree-Ring Research
 Advisor: Dr. Kevin Anchukaitis
 My current research addresses the effect of high latitude volcanic eruptions on climate and tree growth.

2021 – Graduate Research Assistant
School of Geography and Development, Laboratory of Tree-Ring Research
Principal Investigator: Dr. Connie Woodhouse
Climate signals in the quantitative wood anatomy of Rocky Mountain bristlecone pine

2018 – 2019 Graduate Research Assistant
Laboratory of Tree-Ring Research
Principal Investigator: Dr. Dave Meko
Measuring wood anatomical features to model Sierra Nevada snowpack.
Identifying flood rings in riparian trees from along the Ob River to improve streamflow reconstructions.

TEACHING	<p>UNIVERSITY OF ARIZONA</p> <p>Laboratory of Tree-Ring Research</p> <p>Teaching Assistant</p> <p>ANTH 204 <i>Cultures, Catastrophe and Climate</i> (Fall 2020)</p> <p>School of Geography and Development</p> <p>Teaching Assistant</p> <p>Guest Lecturer</p> <p>GEOG 170A1 <i>Introduction to Physical Geography</i> (Fall 2018, Spring 2019, Fall 2019, Spring 2020)</p>	Tucson, AZ
TALKS	<p>Edwards J., K. Anchukaitis, L. Andreu-Hayles, R. Oelkers, R. D'Arrigo, G. von Arx, B. Zambri, H. Linderholm, B. Gunnarson, The enigmatic climate response to the 1783-1784 CE Laki eruption, presented at the American Association of Geographers meeting, 2021, Virtual</p>	
POSTERS	<p>Edwards J., K. Anchukaitis, L. Andreu-Hayles, R. Oelkers, R. D'Arrigo, G. von Arx, B. Zambri, The impact of the 1783 Laki eruption on North American climate using quantitative wood anatomy of Alaskan white spruce, presented at the American Geophysical Union fall meeting, 2019, San Francisco, CA.</p> <p>Meko D., K. Morino, E. Shamir, J. Edwards, R. Touchan, R. Campbell, Snowpack Signal in Cell Anatomy of Sierra Nevada Tree Rings, presented at the American Geophysical Union fall meeting, 2019, San Francisco, CA.</p> <p>Meko D., L. Agafonov, I. Panyushkina, J. Edwards, Ob River Flood History From Tree Rings, presented at the American Geophysical Union fall meeting, 2018, Washington D.C.</p>	
SCHOLARSHIPS & FELLOWSHIPS	<p>Carson Scholars Program Fellowship, 2021</p> <p>Alsie French & Edmund Schulman Memorial Scholarship, 2020</p> <p>University of Arizona Graduate College Fellowship, 2018 & 2019</p>	
GRANTS & AWARDS	<p>Thomas P. Harlan Award, 2021</p> <p>University of Arizona CSW Mini Grant (on behalf of the Southern Arizona chapter of AWG), 2021</p> <p>AAG Climate Specialty Group Student Grant, 2020</p> <p>E-an Zen Fund Geoscience Outreach Grant (on behalf of the Southern Arizona chapter of AWG), 2020</p> <p>University of Arizona Graduate & Professional Student Council Travel Grant, 2019 & 2020</p> <p>University of Arizona Women in STEM Student Council Travel Grant, 2019</p> <p>University of Arizona College of Science, Laboratory of Tree-Ring Research Scholarship Award, 2019</p>	
SERVICE	<p>Reviewer for <i>You Are Here: The Journal of Creative Geography</i></p> <p>Southern Arizona chapter of AWG (Association for Women Geoscientists) fundraising chair</p> <p>EathWeek organizer for the Laboratory of Tree-Ring Research</p> <p>SAGA (Southern Arizona Geographers Association) committee member</p>	
OUTREACH	<p>GALS (Girls on outdoor Adventures for Leadership and Science) mentor</p> <p>WISE (Women in Science and Engineering) panel organizer</p> <p>National Geographic GeoChallenge Appraiser (2019)</p>	

La Brea Tar Pits & Museum Project 23 excavator (2017–2018)

PRESS "Iceland and Alaska entangled: Ph.D. student combats uncertainties regarding the 1783 Laki volcanic eruption", Daily Wildcat, February 28, 2021
"Alaska white spruce tell a tale of a cold summer", Fairbanks Daily News-Miner, January 19, 2020
"Das Klima-Gedächtnis", Natur, December 2019 (in German)

TRAINING LinkedEarth PaleoHack Workshop, February 2021
Network on Quantitative Wood Anatomy & Virtual Workshop, November 2020
NCAR CESM Tutorial, Boulder, CO, August 2019
6th International Training School in Quantitative Wood Anatomy, San Vito di Cadore, Italy, June 2019

TECHNICAL SKILLS

MATLAB, R, Python, JavaScript
ArcGIS, QGIS, Leaflet, ENVI
Adobe Creative Suite, Agisoft Photoscan, ROXAS

PROFESSIONAL AFFILIATIONS

Member of *American Geophysical Union* and *American Geographical Society* and *Tree Ring Society* and *AAAS* and *American Association of Geographers* and *Geological Society of America* and *Association for Women Geoscientists*