CURRICULUM VITAE

JULIE EDWARDS

ADDRESS

University of Arizona
School of Geography and Development
1064 E Lowell Street, PO Box 210137
Tucson, AZ 85721-0137

orcid: 0000-0001-6228-3171
email: julieedwards@email.arizona.edu
internet: https://julieedwardspaleo.github.io

EDUCATION

UNIVERSITY OF ARIZONA — Tucson, AZ
2020 *(anticipated)* M.A., Geography
Primary Advisor: Kevin Anchukaitis

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

RESEARCH INTERESTS

Paleoclimate, high-latitude ecosystem vulnerability to climate change, and large-scale climate dynamics.

POSITIONS

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

2018 – 2019 Graduate Research Assistant
Laboratory of Tree-Ring Research
Principal Investigator: 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.

UNIVERSITY OF CALIFORNIA, LOS ANGELES — Los Angeles, CA
2017 – 2018 Research Assistant
Department of Geography
Principal Investigator: Kyle Cavanaugh
Classified health of shallow coral reef ecosystems from underwater photography.

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE — Los Angeles, CA
2017 – 2018 Research Assistant
Department of Geological Sciences
Principal Investigator: Jennifer Cotton
Spatially modeled isotopic composition of small mammal species to track landscape changes over time.

INTERNATIONAL MEDICAL CORPS — Los Angeles, CA
2016 – 2017 GIS Technician
Created maps related to emergency medical relief logistics and international program operations.

PUBLICATIONS *Peer-Reviewed Papers*

Meko D., I. Panyushkina, L. Agafonov, **J. Edwards**, Impact of high flows of an Arctic river on ring widths of floodplain trees, submitted to *The Holocene*, 2020

TEACHING UNIVERSITY OF ARIZONA Tucson, AZ

School of Geography and Development

Teaching Assistant

Guest Lecturer

GEOG 170A1 *Introduction to Physical Geography* (Fall 2018, Spring 2019, Fall 2019, Spring 2020)

POSTERS **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, December 9-13, 2019, San Francisco, CA.

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 December 9-13, 2019, San Francisco, CA.

Meko D., L. Agafonov, I. Panyushkina, **J. Edwards**, Ob River Flood History From Tree Rings, presented at the American Geophysical Union fall meeting, December 10-16, 2018, Washington D.C.

HONORS University of Arizona Women in STEM Student Council Travel Grant, 2019

University of Arizona College of Science, Laboratory of Tree-Ring Research Scholarship Award, 2019

University of Arizona Graduate & Professional Student Council Travel Grant, 2019 & 2020

SERVICE **EathWeek 2020 Student Representative for the Laboratory of Tree-Ring Research**
Fall 2019 –

GALS (Girls on outdoor Adventures for Leadership and Science) Mentor
Fall 2019 –

WISE (Women in Science and Engineering) Panel Organizer
Fall 2019 –

SAGA (Southern Arizona Geographers Association) Committee Member
Fall 2018 –

National Geographic GeoChallenge Appraiser
2019

La Brea Tar Pits & Museum Project 23 Excavator
2017 – 2018

PRESS "Das Klima-Gedächtnis", Natur, December 2019 (in German)

"Alaska white spruce tell a tale of a cold summer", Fairbanks Daily News-Miner, January 19, 2020

PARTICIPATION & TRAINING

Participant, NCAR CESM Tutorial, Boulder, CO, August 2019

Participant, 6th International Training School in Quantitative Wood Anatomy, San Vito di Cadore, Italy, June 2019

TECHNICAL SKILLS

MATLAB, R, Python, Processing (Java based)
ArcGIS, QGIS, Leaflet, ENVI
Adobe Creative Suite, Agisoft Photoscan, ROXAS

PROFESSIONAL AFFILIATIONS

Member of *American Geophysical Union* and *Tree Ring Society* and *AAAS* and *American Association of Geographers*