

MADISON M. WOOD

mamwood@ucsc.edu

EDUCATION

University of California, Santa Cruz Santa Cruz, CA
Ph.D. Earth Sciences 2019-present

University of New Hampshire Durham, NH
B.S. Earth Sciences, Specialization: Climate 2015-2019

*University Award for Excellence, University Honors in Earth Sciences
summa cum laude (GPA 3.97/4.00)*

RESEARCH

- 2020-present **NSF INTERN**, Non-Academic Research Internship for Graduate Students with the American Institute of Professional Geologists.
- *“Developing and Disseminating Information Resources on Non-Academic Careers in the Geosciences”*
- 2019-present **Graduate Student Researcher**, Paytan Lab, University of California, Santa Cruz
- *“Reconstructing Seawater Strontium Isotopes over Glacial-Interglacial Cycles (past 0.5 million years)”*
 - *Developing stable strontium isotope capabilities with DS-TIMS at UCSC*
- 2017-2019 **Undergraduate Researcher**, Bryce Lab, University of New Hampshire
- *Geochemistry of mercury in wetland soils and vegetation*
- 2018 **Undergraduate Researcher (Summer)**, Jacobson Lab, Northwestern University
- *Major ion and calcium isotope geochemistry of Icelandic zeolites*
- 2017 **Undergraduate Researcher (Summer)**, NSF REU, Glass Lab, Duke University
- *Carbon nanotube catalysts for clean energy applications*
- 2016-2017 **Undergraduate Researcher**, Yi Lab, University of New Hampshire
- *Synthesizing novel catalysts for clean energy applications*
- 2016 **Fulbright UK Summer Institute Participant**, University of Exeter
- *Carbon sequestration in forests and peatlands*

TEACHING

Teaching Assistant, University of California, Santa Cruz

Spring 2020 *EART 30: Water in the Environment*

Winter 2021 *EART 105: Coastal Geology*

GeoAce Instructor, University of California, Santa Cruz, GEOPATHS Program

Winter 2021 *Scientific Writing for Undergraduates*

MADISON M. WOOD

mamwood@ucsc.edu

RESEARCH GRANTS

- 2021 **ARCS Award**, Achievement Rewards for College Scientists Foundation (\$10,000)
2020 **J. Casey Moore Fund Award**, UCSC Dept. of Earth & Planetary Sciences (\$3,500)

AWARDS AND HONORS

- 2020 **Honorable Mention**, NSF Graduate Research Fellowship Program
2019 **Dept. of Earth & Planet. Sci. Fellowship**, University of California, Santa Cruz (\$4,836)
2019 **Regent's Fellowship**, University of California, Santa Cruz (\$7,254)
2019 **University Award of Excellence**, University of New Hampshire
2019 **University Honors in Earth Sciences**, University of New Hampshire
2019 **Honorable Mention**, NSF Graduate Research Fellowship Program
2019 **Finalist**, Marshall Scholarship
2018 **Goldwater Scholarship** (\$7,500, prestigious national award for STEM undergraduates)
2018 **First Place Poster**, University of New Hampshire Undergraduate Research Conference, Earth and Environmental Science Division
2017 **Donald F. Othmer Sophomore Academic Excellence Award**, AIChE
2017 **First Place Poster**, University of New Hampshire Undergraduate Research Conference, Chemical and Bioengineering Division
2017 **Third Place Poster**, American Institute of Chemical Engineers Annual Student Conference, Materials Science Division IV
2017 **Top Poster Award**, Research Triangle Materials Research Science and Engineering Center REU Symposium
2016 **Fulbright UK Summer Institute**
2015 **Tyco Scholarship**, University of New Hampshire (\$140,000)
2015 **Presidential Scholarship**, University of New Hampshire (\$40,000)

SERVICE AND OUTREACH

- 2020-present **Lab Safety Representative**, Paytan Lab, University of California, Santa Cruz
2020 **Goldschmidt Student Helper**, Virtual 2020 Goldschmidt Conference
2020 **GEOPATHS Mentor**, University of California, Santa Cruz, Department of Earth & Planetary Sciences
2019 **Volunteer Session Leader**, Monterey County Expanding Your Horizons STEM Conference, ocean acidification activity
2019 **Volunteer Field Assistant**, University of New Hampshire GEOPATHS Collaborative Links to Ocean Science and Earth Science Graduate Academic Programs

MADISON M. WOOD

mamwood@ucsc.edu

- 2018 **Volunteer Session Leader**, New Hampshire Seacoast Expanding Your Horizons STEM Conference, ocean oil spill response activity
- 2017-2019 **Member**, University of New Hampshire Earth Sciences Club
- 2015-2019 **Member**, University of New Hampshire STEMbassadors Outreach Program
- 2015-2019 **Volunteer & Assistant Club Leader**, Vermont 4-H Equine Program
- 2015-2017 **Member & Chapter President (2016)**, American Institute of Chemical Engineers, University of New Hampshire Student Chapter

PROFESSIONAL MEMBERSHIPS

American Geophysical Union
Geological Society of America
Geochemical Society
Association for Women Geoscientists
Sigma Xi

CONFERENCE PRESENTATIONS

- Wood MM**, Tatzel M, Pit S, Kolevica A, Eisenhauer A, Ridgewell A, Hain M, Paytan A. *Stable and radiogenic strontium isotopes in seawater over the Late Quaternary*. Goldschmidt Conference; 2020 June; virtual conference.
- Wood MM**, Fahnstock MF, Garvey B, Pascucci S, Varner RK, Bryce JG. *Mercury in Wetland Vegetation and Soils*. Poster session at: 20th Annual University of New Hampshire Undergraduate Research Conference, Interdisciplinary Science and Engineering Symposium; 2019 April; Durham, NH.
- Wood MM**, Nelson ACJ, Jacobson AD. *Major Ion and Calcium Isotope Geochemistry of Zeolite Minerals*. Poster session at: Northwestern University Summer Research Opportunity Program Research Symposium; 2018 August; Evanston, IL.
- Wood MM**, Fahnstock MF, Varner RK, Bryce JG. *Mercury in New England Wetlands*. Poster session at: 19th Annual University of New Hampshire Undergraduate Research Conference, Interdisciplinary Science and Engineering Symposium; 2018 April; Durham, NH.
- Payette B, Burton C, **Wood MM**, Locke M, Jakositz S. *UNH STEMbassadors*. Presentation at: International Technology and Engineering Education Association Annual Conference; 2018 April; Atlanta, GA.
- Wood MM**, Kirley MP, Glass JT. *Nitrogen-Doped Graphenated Carbon Nanotubes for Electrochemical Reduction of Carbon Dioxide*. Poster session at: American Institute of Chemical Engineers Annual Student Conference; 2017 October; Minneapolis, MN.
- Wood MM**, Kirley MP, Glass JT. *Nitrogen-Doped Graphenated Carbon Nanotubes for Electrochemical Reduction of Carbon Dioxide*. Poster session at: Research Triangle Materials Research Science and Engineering Center REU Symposium; 2017 August; Durham, NC.
- Wood MM**, Yi N. *Synthesis and Characterization of Copper and Cesium Modified Heteropoly Acids*. Poster session at: 18th Annual University of New Hampshire Undergraduate

MADISON M. WOOD

mamwood@ucsc.edu

Research Conference, Interdisciplinary Science and Engineering Symposium; 2017
April; Durham, NH.