

Anne E. Tamalavage, PhD

Postdoctoral Researcher

University of Montreal

SUMMARY

Intrinsically motivated, team-oriented activator that seeks to apply my advanced scientific, networking, and leadership expertise to create equitable solutions and achieve project-based goals relative to the changing Earth system.

EXPERIENCE

Postdoctoral Researcher

University of Montreal | Sept. 2021-present
Project development and analysis in a team setting for funded research on the impacts of hydropower on carbon cycling in subarctic Canadian watersheds. Project accepted to sail onboard the *R/V Coriolis* (summer 2022) and expand initial project objectives. Assist in mentoring two graduate students and two undergraduate student interns.

PhD Candidate

Texas A&M University | Aug. 2016-2021
Independently managed dissertation objectives within broader National Science Foundation-funded research with advisors to understand climate change in the Caribbean through time. Developed ongoing external and internal collaborations, received \$12,425 in small-scale grants, delivered peer review publications and presentations, and mentored four undergraduate students.

Teaching Assistant

Texas A&M Galveston | Aug 2014- May 2021
Supported and developed learning outcomes for Earth science and chemistry courses (11 semesters).

Geochemistry Intern

ConocoPhillips | Jan-Aug 2014; Summer 2015
Delivered products to support company-wide hydrocarbon exploration as part of the Petroleum Geochemistry and Basin Modeling Group.

Science Department Intern

American Geophysical Union | Aug-Dec 2013
Coordinated science education events as part of an annual international conference (~25,000 attendees).

SKILLS

Scientific Research Expert in climate change (carbon dynamics/rainfall) through time with advanced skills in laboratory and field work, plus data analysis.

Skilled Project Manager that consistently identifies required actions, delegates tasks, and produces timely deliverables for ongoing projects.

Confident Communicator, applying collaborative approach through incorporating multi-and trans-disciplinary perspectives to influence team while identifying and mitigating risks, and completing tasks on time and in budget.

Published Scientific Author: Eight peer-reviewed articles, four non-peer reviewed, seven international presentations, and seven successful small research grants with follow ups delivered.

Software Proficient in: R, Adobe/Microsoft/Google Suite, Inkscape, Zoom. Experience implementing: Python, MATLAB, ArcGIS.

EDUCATION

Ph.D., Oceanography

August 2021 | Texas A&M University
Visiting scholar (summers 2016-2019): University of Southern California

M.S., Oceanography

August 2016 | Texas A&M University

B.S., Geobiology

August 2013 | The Pennsylvania State University

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LEADERSHIP/SERVICE

International Leadership, AGU

Held both elected and appointed positions over eight years for decision making towards the success of the member organization (130,000-person community), with specific emphasis on engaging with early career scientists. Initiatives included direct collaboration with staff, organizational President, and CEO.

Student Council Leadership

Seven years of elected positions at the undergraduate and graduate level. Initiatives included direct collaboration with departmental and college administration, and alumni networks.

Reviewer for Scientific Community

Participation in the peer-review process for *JGR Biogeosciences* and IPCC WGII AR6 (Intergovernmental Panel on Climate Change Report).

AGU Congressional Visit Days, Local Science Partners

Multiple visits to Capitol Hill to communicate the importance of Earth science funding in US legislation. Currently working on keeping consistent engagement with staffers for VA-10 to continue this work.

AWARDS

Graduate School Merit-Based Scholarships

Texas A&M University: \$31,200

Chapman Award for Graduate Research

Texas A&M University | July 2020

Research Symposium Awards (Talks, Posters)

Texas A&M University | April 2016-2020

GEMS Diamond Award

Penn State University | April 2013

EMSAGE Laureate

Penn State University | April 2013

William Grundy Paper Competition

Penn State University | March 2012

COMMUNICATIONS

Full List of Peer-reviewed Publications

Google Scholar: <https://bit.ly/38BrWrn>

Non-peer-reviewed Publications

Eos (two), *Houston Chronicle*, *The Bridge* blog

Annual University Presentations (Five Years)

Texas A&M University Galveston Symposium

Three Talks, Four Posters (International Conferences)

AGU Fall Meeting, Graduate Climate Conference

Lab Group/Seminar Talks (Invited)

Rice University, McGill University, University of Southern California, University of Montreal

Monthly Outreach, Galveston Farmer's Market

November 2019- March 2021

PROFESSIONAL SOCIETY MEMBERSHIPS

American Geophysical Union (AGU)

2013-present

Geological Society of America (GSA)

2014-present

Interuniversity Research Group in Limnology (GRIL)

2021-present



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