

# EvaLynn Jundt

438 Brooks Dr  
Corpus Christi, TX 78408

ejundt@islander.tamucc.edu  
320-428-2438

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## Education

Texas A & M Corpus Christi **May 2022**  
Master of Science: **Coastal and Marine System Science**  
Cumulative **GPA 3.82**

Bemidji State University, Bemidji MN **May 2020**  
Bachelor of Science: **Aquatic Biology**  
Emphasis in Aquatic Systems  
Cumulative **GPA 3.77**

St Cloud Technical and Community College, St Cloud MN **May 2018**  
Associate of Arts  
Cumulative **GPA 3.90**

## Research

“Multiple Linear Regression Model for the Estimation of pH and Carbonate Saturation  
State in the Gulf of Mexico” **2021**

Harte Research Institute, Texas A&M, Corpus Christi, TX  
Advisor: Dr. Xinping Hu

The goal of this project is to create a MLR (multiple linear regression) model to fit to fit pH and  $\Omega$  (carbonate saturation) using some combination of the measured parameters: salinity, temperature, pressure, dissolved oxygen, nitrate + nitrite, phosphate, and silicate. The purpose of this is to expand data coverage in the Gulf of Mexico (GOM) to cover areas where carbonate chemistry is not available. This project will also serve to provide valuable data concerning the relationships the physical parameters used in the model as they occur in GOM.

“Microplastics in the Mississippi from Headwaters to St. Cloud” **2019**  
Biology Department, Bemidji State University, Bemidji, MN  
Faculty Mentor: Dr. Richard Koch

This study sampled the Mississippi headwater area from Lake Itasca to Sauk Rapids, river miles 1,341-930. From the water and sediment samples taken at nine sites along this stretch of the river, microplastics were present at every site, in densities as high as 645 microplastics per  $m^3$  in the water column and 1,341 per  $m^3$  in sediments. These results indicate both that microplastics are present at source of the Mississippi and may be a cause for concern and future research on their sources and implications on the ecosystems in and along the river.

## Presentations

Student Scholarship and Creative Achievement Conference  
Bemidji State University, Bemidji, MN **April 2019**  
“Microplastics in the Mississippi Headwaters”

Florida International McNair Scholars Research Conference  
Florida International University, Miami, FL **October 2019**

“Microplastics in the Mississippi Headwaters”

Ocean Sciences Meeting

Virtual

February 2022

“Use of multilinear regression models for estimation of aragonite saturation and pH in the northwestern Gulf of Mexico”

Marine Science Graduate Student Organization Student Research Symposium

Texas A&M Corpus Christi, TX

April 2022

“Use of multilinear regression models for estimation of aragonite saturation and pH in the northwestern Gulf of Mexico”

Gulf of Mexico Conference

Baton Rouge, LA

April 2022

“Use of multilinear regression models for estimation of aragonite saturation and pH in the northwestern Gulf of Mexico”

## Conferences

Student Scholarship and Creative Achievement Conference

*Bemidji State University, Bemidji, MN*

April 2018

## Academic Honors and Awards

Scholar Achievement in Graduate Education (SAGE) Fellowship Award

2022

Ronald E. McNair Post-Baccalaureate Program

2018-2020

Presidents List

Spring 2017, Spring 2019

Dean's List

Fall 2016-Fall 2018

## Memberships

Association for Women in Geosciences (AWG)

2020

American Geophysical Union (AGU)

2021

## Work Experience

### Research Cruises

CV Pelican

Apr, 19-24 2021

NOAA Gulf of Mexico Ecosystem and Carbon Cycle Cruise

Sept-Oct 2021

### Vice President of the Marine Science Graduate Student Organization (MSGSO)

Texas A&M Corpus Christi, TX

2022-Current

- Organize and lead meetings
- Manage correspondence and outreach
- Facilitate events, speakers and more

### Research Assistant

Harte Research Institute, Texas A&M, Corpus Christi, TX

2020-Current

- Travel to field sites to collect and record data and/or samples as appropriate to the specific objectives of the study
- Collect and analyze data
- Prepare other articles, reports and presentations

### STEM Stars Mentor

2019-2020

Bemidji State University, Bemidji, MN

- Serve as a resource for first-year students interested in STEM programs
- Provide leadership and knowledge on STEM fields
- Retain first-year students in STEM programs

**Student Worker**

**2019-2020**

Biology Department, Bemidji State University, Bemidji, MN

- Assist instructors with classroom prep
- Assist in grading papers
- Care for aquatic animals and insect housed in the biology department
- Organize materials used in classes