Jessica Baniak

Gaithersburg, MD, 20878 | (301) 538-4336 | jbaniak1@umbc.edu

# EDUCATION

**University of Maryland Baltimore County Baltimore, MD**

M.S., Marine-Estuarine Environmental Science (MEES) Expected May 2025

**University of Maryland Baltimore County Baltimore, MD**

B.S., Biological Sciences; *Magna Cum Laude* May 2023

# HONORS & AWARDS

# ICARE Scholarship Fall 2023- current

# President’s List, UMBC Spring 2021- Spring 2022

# Honors College, Eckerd College August. 2019- May. 2020

# Founders Scholarship, Eckerd College Fall 2019- Spring 2020

# RELEVANT EXPERIENCE

# Institute of Marine and Environmental Technology (IMET) Baltimore, MD

# Graduate Assistant- Aquaculture August 2023- current

# Modifying/Adapting aquaculture procedures for horseshoe crabs under differing conditions from juvenile to adult.

**Morgan State Patuxent Environmental Aquatic Research Laboratory (PEARL)** **St. Leonard, MD**

Research Intern- Aquaculture June 2022- August 2022

# Maintained, counted, and cultured oysters as part of the aquaculture team working in the hatchery.

# Conducted research projects on heat tolerance in soft-shell clams and oyster anesthesia under Dr. Ming Liu.

**Maryland Pesticide Education Network** **Remote**

Environmental Advocacy Intern September 2021- December 2021

* Researched background knowledge, webpage design, interacted with government, private sector, and nonprofit organizations.

# SKILLS

**Laboratory**: Aquaculture Animal Care, Pipetting Techniques, PCR, centrifugation, Gel electrophoresis, Titration

**Language**: Japanese (beginner)

# RELEVANT COURSE WORK

# Environmental Field Methods, Cell and Molecular Biology with lab, Physiology of Marine and Estuarine Animals, Animal Behavior, Ecology and Evolution with lab, Molecular and General Genetics, Organic Chemistry I with lab, Plant Biology, Environmental Science and Conservation, Statistics

# ADDITIONAL EXPERIENCE

# Eckerd Diversity and Inclusion Committee St. Petersburg, FL

# Committee Leader September. 2019- May 2020

# Strove to create opportunities to provide more inclusive activities in a PWI.

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# ACTIVITIES

# UMBC Taekwondo Club, Treasurer September 2021- 2022

# UMBC Peer Scribe, Physics lab and Human/Animal Physiology Lab January 2021/22- May 2021/22

# Orchestra, String Bass September 2015- May 2020

# HS Varsity Girls and Coed Volleyball September 2015- May 2019

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**REFERENCES**

# Dr. J. Sook Chung, PhD

# Associate Professor, IMET

# University of Maryland Center for Environmental Science

# 701 E. Pratt St.

# Baltimore, MD 21202

# (410) 234-8841

# [chung@umces.edu](mailto:chung@umces.edu)

# Dr. Ming Liu, PhD

# Oyster Genomics Researcher, PEARL

# Morgan State University

# 10545 Mackall Rd, PEARL 210

# St Leonard, MD 20685

# (443) 885-5922

# [Ming.liu@morgan.edu](mailto:Ming.liu@morgan.edu)

# Mrs. Brittany Wolfe-Bryant

# Shellfish Hatchery Manager and Extension Specialist, PEARL

# Morgan State University

# 10545 Mackall Rd, PEARL 204

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# [Brittany.wolfe@moragn.edu](mailto:Brittany.wolfe@moragn.edu)

# Ms. Bonnie Raindrop

# Program Director

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