

Murad Jah

Curriculum vitae

murad.jah@wsu.edu

EDUCATION

Washington State University

Ph.D. Student, School of Biological Sciences

2024 - Present
Pullman, WA

University of Southern California

M.A., Environmental Studies

2021-2022
Los Angeles, CA

University of Southern California

B.S., Environmental Studies: Oceans, Life, and People
Marine Biology Minor

2018 - 2022
Los Angeles, CA

RESEARCH EXPERIENCE

Graduate Student Researcher, Dowd Lab, Washington State University

- Investigating the plastic nature of climate change-related stress tolerance in supratidal harpacticoid copepod, *Tigriopus californicus*

2024 - Present
Pullman, WA

Research Assistant, Edmands Lab, University of Southern California

- Exploration of sex and stage-specific metabolism in marine copepods, *Tigriopus californicus*
- Analysis of data using R and Microsoft Excel
- Use of respirometer and multiple protein/ammonia assays
- Published findings

2020-2023
Los Angeles, CA

Research Assistant, Gibson Climate Justice Lab, University of Southern California

- Attended COP 26 and COP 27
- Attended and partook in over 100 meetings with global climate change activists
- Conducted outreach with NGOs around the world to assess climate change platforms
- Performed analyses of the increased attention to the United Nations surrounding the topic of climate change

2020-2022
Los Angeles, CA

Intern, Friends of the Ballona Wetlands

- Habitat restoration and vegetation monitoring
- Performed transects and analysed transect data using excel
- Planted, watered, and cared for native plants

2021 - 2022
Playa Del Rey, CA

Project Leader, Sustainability Institute

- Led a team of six in developing a proposal, website template, video, and summary presentation to enhance the storytelling of a sustainable crop product.
- Coordinated project tasks and ensured alignment between deliverables to effectively communicate the product's sustainability impact.

2021
Stellenbosch,
South Africa

Shark-Human Relations Research, El Porto Shark

- I worked with National Geographic and Shark Week to inform people about shark-human relations on the California coastline.
- Filmed and analyzed footage of sharks
- Challenged current public perception of sharks using data and scientific evidence

2020
Los Angeles, CA

Research Assistant, University of Southern California Research Experience for undergraduates (REU), Dr. Todd Oakley Research Lab

- Learned to produce phylogenetic trees using transcription factors and through coding in terminal.
- Analysed the history of secretory transcription factors in bioluminescent ostracods, *Vargula hilgendorfii*
- using BLAST servers and constructed phylogenetic trees.

2020
Santa Catalina
Island, CA

PUBLICATIONS

Jacob R. Denova, Ben A. Flanagan, Murad Jah, Scott L. Applebaum, Suzanne Edmands, Molecular consequences of mitochondrial replacement therapy may be masked from organismal traits in *Tigriopus californicus*

[Accepted with Revisions to PLOS One]

2025

Suzanne Edmands, Jacob R. Denova, Ben A. Flanagan, Murad Jah, Scott L. Applebaum, 2024, Mitonuclear effects on sex ratio persist across generations in interpopulation hybrids, Journal of Evolutionary Biology, 37, 1386-1393

2024

TEACHING EXPERIENCE

Teaching Assistant

2024-2025

Washington State University, BIOL 370 – Disease Ecology, Fall 25

Washington State University, BIOL 412 - Biology of Fishes, Spring 25

Washington State University, BIOL 106 - Introductory Biology:
Organismal Biology, Fall 24

MENTORING EXPERIENCE

Ana Rowley

2025

NSF Research Experience for Undergraduates (REU) student Washington
State University

Community physiology in splashpools: Interactions of primary producer
and consumer responses to thermal stress

Sarah Horn

2024-2025

Dowd Lab undergraduate student, Washington State University

Fabian Torres

2024-2025

Dowd Lab undergraduate student, Washington State University

OTHER WORK EXPERIENCE

Ambassador and Panelist, Global Learning Collective

2021

- Fielded questions in seminars of around 100 participants
- Helped answer questions from other students and organize their activities

PRESENTATIONS AND POSTERS

Southern California Academy of Science (SCAS)

2022

Is metabolic rate sex-specific in *Tigriopus californicus*? [Poster] Murad
Jah, Scott L. Applebaum, Suzanne Edmands

Award: Honourable Mention Winner

Evolution 2022, Cleveland, Ohio 2022
Sex-specific mitonuclear epistasis in *Tigriopus californicus* [Poster] Jacob R. Denova, Murad Jah, Scott L. Applebaum, Suzanne Edmands

Evolution 2022, Cleveland, Ohio 2022
Effects of mitochondrial replacement in *Tigriopus californicus* [Talk] Suzanne Edmands, Jacob R. Denova, Ben A. Flanagan, Murad Jah, Scott L. Applebaum

LANGUAGES

English	Native Speaker
Turkish	Native Speaker
French	Highly Proficient

AWARDS AND FELLOWSHIPS

Washington State University NASA Space Grant 2025
Total: \$2,500

Leon J. & Barbara W. Radziemski Graduate Fellowship in the Sciences 2024
Total: \$3,000

USC Dornsife Environmental Studies Honors Degree 2022

Dean's List, University of Southern California 2019 - 2022
Spring '19, Fall '19, Spring '20, Fall '20, Spring '21, Fall '21, Spring '22

Certifications

SCUBA Advanced Open Water

SSI Nitrox Diver

EXTRA-CURRICULAR ACTIVITIES

Rugby

2005 – Present

Washington State University, Player

University of Southern California Rugby, Captain

American School in London Rugby, Captain

Rugby, Forwards Head Coach

2024 – Present

Washington State University