

Yara A. Alshwairikh

Yale University – School of the Environment
New Haven, CT, USA
yara.alshwairikh@yale.edu
yara-alshwairikh.com

EDUCATION

- 2019 – 2024 (expected) **Ph.D.** Yale University, School of the Environment
Advisor: David Skelly
Dissertation: Past, present, and future adaptation: insights from the genomes of freeze tolerant frogs
- 2017 – 2019 **M.Sc.** in Bioscience; King Abdullah University of Science and Technology (KAUST), Red Sea Research Center
Advisor: Manuel Aranda
Thesis: A Comparative Assessment of the Physiological Performance of Red Sea and non- Red Sea Symbiodiniaceae Strains in Acute Heat
- 2013 – 2017 **B.S.** in Biology; University of California, Los Angeles
Departmental highest honors

PROFESSIONAL EXPERIENCE

- 2020 – current Museum assistant for the Vertebrate Zoology division, Yale Peabody Museum of Natural History

FELLOWSHIP AND SCHOLARSHIPS

- 2019 – 2024 Saudi Arabia Ministry of Education Graduate Fellowship, Saudi Arabia
2019 – 2020 MiSk Graduate fellowship, Saudi Arabia
2013 – 2017 KAUST Gifted Students Program scholarship, KAUST, Saudi Arabia

GRANTS AND AWARDS

- | | | |
|------|--|------------|
| 2022 | MacMillan International Dissertation Research Fellowship | (\$18,000) |
| 2022 | Yale Institute for Biospheric Studies Fellowship | (\$7,500) |
| 2022 | Yale Institute for Biospheric Small Grants Program | (\$5,000) |
| 2022 | Conference travel award – Yale Graduate Student Assembly | (\$750) |
| 2020 | Conference travel award – Yale School of the Environment | (\$500) |
| 2021 | Kohlberg-Donohoe Research Fellowship | (\$5,000) |
| 2021 | Yale Natural Preserve Fund | (\$10,000) |
| 2021 | Yale Institute for Biospheric Studies Fellowship | (\$7,750) |
| 2020 | Yale Institute for Biospheric Studies Pilot grant | (\$3,000) |
| 2020 | Conference travel award – Yale School of the Environment | (\$125) |

PEER-REVIEWED PUBLICATIONS

1. Sommer, N.R.*, **Alshwairikh, Y.A.***, Andis Arietta, A.Z., Skelly, D. K., Buchkowski, R.W. Prey metabolic responses to predators depend on predator hunting mode and prey antipredator defenses. 2023. *Oikos*. <https://doi.org/10.1111/oik.09664>.
2. **Alshwairikh, Y. A.**, Kroeze, S., Olsson, J., Stephens, S., Swain, W., Waits, L., Horn, R., Narum, S., Seaborn, T. Influence of Environmental Conditions at Spawning Sites and Migration Routes on Adaptive Variation and Population Connectivity in Chinook Salmon. 2021. *Ecology & Evolution*. 11 (23), 16890-16908. doi.org/10.1002/ece3.8324

** These authors contributed equally*

PUBLICATIONS UNDER REVIEW

1. Rowland, F. E.*, Prats, K. A.*, **Alshwairikh, Y. A.**, Burak, M. K., Fanton, A. C., Duguid, M. C. Overemphasis on publications may disadvantage historically excluded groups in academia before and during COVID-19. *Under review in PLoS ONE*
2. **Alshwairikh, Y. A.***, Fanton, A. C.*, Prats, K. A., Burak, M. K., Duguid, M. C., Rowland, F. E. Habits and attitudes towards writing affect the publication output of environmental biology trainees. *Under review in Ecosphere*

** These authors contributed equally*

NATURAL HISTORY NOTES

1. **Alshwairikh, Y. A.**, Andis Arietta, A.Z., Jordan, S., Messer, K. RANA SYLVATICA (Wood Frog). USA: ALASKA: northwest arctic borough. Geographic Distribution Note. *Herpetological Review*. 52(3). 2021.

POSTER AND ORAL PRESENTATIONS

1. **Alshwairikh, Y. A.** Mild Overwintering Differentially Impacts Thermal Performance of Wood Frogs. The Joint Meeting of Ichthyologists and Herpetologists 2022, Spokane, WA.
2. **Alshwairikh, Y. A.** Influence of Environmental Conditions at Spawning Sites and Migration Routes on Adaptive Variation and Population Connectivity in Chinook Salmon. International Association of Landscape Ecology (IALE) 2021, virtual conference
3. **Alshwairikh, Y. A.** Freeze Tolerance Adaptation in Wood Frogs. Montreal Eco-Evo Symposium (MEES) 2019, Québec, Canada
4. **Alshwairikh, Y. A.** A Comparative Assessment of the Physiological Performance of Red Sea and non-Red Sea Symbiodiniaceae Strains in Acute Heat. 2019. Securing a Future for Red Sea Ecosystems conference. KAUST, Thuwal, Saudi Arabia

INVITED TALKS

1. **Alshwairikh, Y. A.** Frozen Frogs and Climate Change. 2022. The Yale Peabody Museum's 26th Annual Celebration of Dr. Martin Luther King Jr. New Haven, CT

RESEARCH AND FIELDWORK EXPERIENCE

- June 2021 Northwest Arctic Borough, Alaska, USA
Co-led a 12-day expedition and floated 160 miles down the Ambler and Kobuk rivers in search of wood frogs in Arctic Alaska
Collected wood frog tissue samples and formalin fixed specimens in the field
- 2019 – current Yale Myers Forest, Madison, Guilford; Connecticut, USA
Regularly conduct wetland surveys and record water chemistry measurements; collect amphibian eggs, larvae, and adult wood frogs

TEACHING EXPERIENCE

- Fall 2021 Teaching fellow, Ecological Foundations for Environmental Managers
Fall 2020 Teaching fellow, Ecological Patterns & Processes

UNDERGRADUATE MENTEES

- 2021-2022 Greg Jazwinski – Yale University
Senior thesis: Freeze Tolerance in Wood Frog (*Rana sylvatica*) Tadpoles and Metamorphs Across Life Stages

SCIENCE OUTREACH AND COMMUNITY ENGAGEMENT

- 2021 – current Women and Gender Minorities in Science at Yale (WISAY)
Professional mentor to an undergraduate student
- 2020 – 2021 Virtual Ask-A-Scientist program
- 2019 Tour lead at Yale Peabody Museum of Natural History – New Haven, CT
- 2018 Student counselor leader at Saudi Research Science Institute – Saudi Arabia

SERVICE AND LEADERSHIP EXPERIENCE

- 2022 – current Yale Graduate Muslim Student Association (Yale GradMSA) co-founder
- 2021 – current Women and Gender Minorities in Science at Yale (WISAY) board member
- 2020 – 2021 Doctoral student government representative - Yale school of the Environment
- 2019 – 2021 Title IX working group member – Yale School of the Environment
- 2019 – 2020 Yale Title IX Graduate Student Board member

Reviewer for the following journals:

Journal of Thermal Biology
Ecography

PROFESSIONAL AFFILIATIONS

- 2021 – current Society for the Study of Evolution
- 2021 – current American Society of Ichthyologists and Herpetologists