

Zachary A. Mitchell, Ph.D.

Assistant Professor
Department of Biological and Health Sciences
Texas A&M University-Kingsville
BESB 108
Kingsville, TX 78363
Office: 361-593-3838
Email: zachary.mitchell@tamuk.edu

EDUCATION

Ph.D.	Texas State University	August 2020	Aquatic Resources/Ecology
M.S.	Eastern Illinois University	May 2016	Biological Sciences
B.S.	Mississippi State University	May 2014	Wildlife and Fisheries Science

TEACHING EXPERIENCE

Academic

2024-Present	Assistant Professor, Department of Biological and Health Sciences Texas A&M University-Kingsville
2022-2024	Assistant Professor, Department of Biology Eastern New Mexico University

SELECTED PUBLICATIONS

Refereed Journal Articles

1. Winemiller, K.O., Perkin, J.S., Trungale, J.F., Hoeinghaus, D.J., Moore, G.W., Schwalb, A.N., **Mitchell Z.A.**, Trimble, A., Reeves, C., Acre, M.R., Wheeler, K., Hardy, T.B., Buzan, D. (2024). Advancing Environmental Flows Science: Monitoring, Hindcasting and Forecasting Flow-Ecology Relationships. *Fisheries*. <https://doi.org/10.1002/fsh.11092>
2. Cushway, K.C., Harries, A.E., Piercy, C.D., **Mitchell, Z.A.**, Schwalb, A.N. (2024). Go with the flow: impacts of high and low flow conditions on freshwater mussel assemblages and distribution. *PLOS ONE*. <https://doi.org/10.1371/journal.pone.0296861>
3. Torres, C.G., Pollock, D.A., **Mitchell, Z.A.**, Craddock, K.R. (2023). The effects of insect repellent in initial dipteran colonization of decomposing pig remains. *Journal of Medical Entomology*. <https://doi.org/10.1093/jme/tjad148>
4. **Mitchell, Z.A.**, Cottenie, K., Schwalb, A.N. (2023). Trait-based and multi-scale approach provides insight on responses of freshwater mussels to environmental heterogeneity. *Ecosphere*. <https://doi.org/10.1002/ecs2.4533>
5. **Mitchell, Z.A.**, Schwalb, A.N. (2021). Seasonality of gamete production of *Cyclonaias* species in central Texas. *Freshwater Mollusk Biology and Conservation*. <https://doi.org/10.31931/fmbc-d-20-00013>
6. Hernandez, B., **Mitchell, Z.A.**, Robertson, C., Schwalb, A.N. (2021). Burrowing behavior

of unionid mussels in subtropical rivers: Implications for management and conservation. *Aquatic Conservation: Marine and Freshwater Ecosystems*.
<https://doi.org/10.1002/aqc.3525>

7. **Mitchell, Z.A.**, Burlakova, L., Karatayev, A.Y., Schwalb, A.N. (2021). Changes in community composition of riverine mussels after a severe drought depends on local conditions: A comparative study in four tributaries of a subtropical river. *Hydrobiologia*.
<https://doi.org/10.1007/s10750-019-04058-3>
8. **Mitchell, Z.A.**, McGuire, J., Abel, J., Hernandez, B., Schwalb, A. (2018). Move on or take the heat: Can life history strategies of freshwater mussels predict their physiological and behavioural responses to drought and dewatering? *Freshwater Biology*.
<https://doi.org/10.1111/fwb.13187>
9. Allen, P. J., **Mitchell, Z. A.**, DeVries, R. J., Aboagye, D. L., Ciaramella, M. A., Ramee, S. W., Stewart, H. A. and Shartau, R. B. (2014). Salinity effects on Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus* Mitchill, 1815) growth and osmoregulation. *Journal of Applied Ichthyology*. doi: 10.1111/jai.12542.