



# Taylor Woods

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## Education

<sup>†</sup> *Indicates expected*

- 2018–2022 <sup>†</sup> Ph.D., Ecology and Evolutionary Biology, University of Tennessee  
Advisor: Dr. Xingli Giam
- 2015–2018 M.Sc., Environmental Studies, Virginia Commonwealth University  
Advisor: Dr. Daniel McGarvey
- 2007–2011 B.Sc., Environmental Biology, Tulane University

## Publications

<sup>\*</sup> *Indicates undergraduate co-author*

### In review/preparation

- [1] Schmidt RC, **Woods T**, & Nyingi WD. (in prep). Land-use and water extraction drive beta diversity in an afrotropical stream system.

### Published

- [1] **Woods T**, Kaz A<sup>\*</sup>, & Giam X. (2021). Phenology in freshwaters: a review and recommendations. *Ecography*. DOI: [10.1111/ecog.05564](https://doi.org/10.1111/ecog.05564)
- [2] **Woods T**, Comte L, Tedesco P, & Giam X. (2020). Testing the diversity–biomass relationship in riverine fish communities. *Global Ecology & Biogeography*, 29(10), 1743–1757. DOI: [10.1111/geb.13147](https://doi.org/10.1111/geb.13147)
- [3] Schmidt RC, Nyingi WD, **Woods T**, Gathua J, & Kosgei G. (2020). Fishes and the environment of the Northern Ewaso Ng'iro in Kenya. *Freshwater Metadata Journal*, 49, 1–6. DOI: [10.15504/fmj.2020.49](https://doi.org/10.15504/fmj.2020.49)
- [4] McGarvey DJ, **Woods T**, & Kirk AJ. (2019). Modeling the Size Spectrum for Macroinvertebrates and Fishes in Stream Ecosystems. *Journal of Visualized Experiments: JoVE*, 149, e59945. DOI: [10.3791/59945](https://doi.org/10.3791/59945)

- [5] **Woods T**, & McGarvey DJ (2018). Assessing the relative influences of abiotic and biotic factors on American eel *Anguilla rostrata* distribution using hydrologic, physical habitat, and functional trait data. *Ecography*, 41(12), 2067–2079. DOI: [10.1111/ecog.03782](https://doi.org/10.1111/ecog.03782)
- [6] McGarvey DJ, Menon M, **Woods, T**, Tassone S, Reese J, Vergamini M, & Kellogg E. (2018). On the use of climate covariates in aquatic species distribution models: are we at risk of throwing out the baby with the bath water? *Ecography*, 41(4), 695–712. DOI: [10.1111/ecog.03134](https://doi.org/10.1111/ecog.03134)

## Funding

\$2500	Graduate Research Award, National Institute for Mathematical and Biological Synthesis, 2019.
\$665	Rice Rivers Center Student Travel Grant, 2017.
\$300	Graduate School Travel Grant, Virginia Commonwealth University, 2016.
\$1000	Rice Rivers Center Graduate Research Award, 2016.

## Appointments

2020–pres	Research Assistant, University of Tennessee, Southeastern Climate Adaptation Center
2018–2020	Teaching Assistant, Ecology and Evolutionary Biology, University of Tennessee
2017–2018	Research Assistant, Environmental Studies, Virginia Commonwealth University
2015–2017	Teaching Assistant, Environmental Studies, Virginia Commonwealth University
2013–2015	Pastry Sous Chef, New Orleans LA
2011–2013	AmeriCorps Team Member, New Orleans LA
2009–2010	Field Assistant, Tulane University, University of Nairobi

## Presentations

- [1] **Woods T** & McGarvey DJ. (2018). An eye for design: a graduate student perspective on the benefits of communication arts training (oral presentation), Society for Freshwater Science, Detroit, MI, June 2018.
- [2] **Woods T** & McGarvey DJ. (2017). A novel application of MaxEnt response functions to identify abiotic and biotic determinants of American Eel distributions (poster presentation), Society for Freshwater Science, Raleigh, NC, June 2017.

## Professional Activities

- Reviewer: Aquatic Sciences, Diversity and Distributions, Ecosphere, Environmental Science and Technology, American Fisheries Society Symposium.

- Outreach: University of Tennessee Governor's School for Sciences and Engineering, Water quality project coordinator, Summer 2020. Dataset available at: <https://doi.org/10.7290/91mDBwflvD>.

## References

Available on request.