

KRISTA M. RUPPERT

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EDUCATION

2020 – CURRENT	Ph.D., Wildlife, Fisheries, and Aquaculture <i>Mississippi State University</i> Movement, Microhabitat, and Metapopulations: Improving Our Understanding of Gopher Frog (<i>Rana [Lithobates] capito</i>) Ecology
2017 – 2020	M.S., Agricultural, Environmental, and Sustainability Sciences <i>University of Texas Rio Grande Valley</i> Development of an Environmental DNA (eDNA) Assay for the Rio Grande Siren and Review of eDNA Metabarcoding Applications
2012 – 2016	B.S., Wildlife and Fisheries Sciences <i>Texas A&M University</i>
2012 – 2014	A.S., Chemistry <i>Blinn College</i>

PROFESSIONAL EXPERIENCE

2020 – CURRENT	Graduate Research & Teaching Assistant <i>Mississippi State University</i>
2017 – 2020	Graduate Research Assistant <i>University of Texas Rio Grande Valley</i>
2017	Wildlife Ecology Apprentice <i>The Wilds</i>
2016	Student Intern <i>Texas A&M University AgriLife Extension</i>

RESEARCH AND REVIEW PUBLICATIONS

Ruppert, K.M., D.R. Davis, M.S. Rahman, and R.J. Kline. 2022. Development and assessment of an environmental DNA (eDNA) assay for a cryptic Siren (Amphibia: Sirenidae). *Environmental Advances* 7:100163.

Ruppert, K.M., R.J. Kline, and M.S. Rahman. 2019. Past, present, and future perspectives of environmental DNA (eDNA) metabarcoding: A systematic review in methods, monitoring, and applications of global eDNA. *Global Ecology and Conservation* 17:e00547.

TECHNICAL PUBLICATIONS

Frank, M.G., **K.M. Ruppert**, and J.C. Cathey. 2017. Habitat requirements of Texas quail. *Texas A&M AgriLife Extension Publication EWF-906*. College Station, Texas, USA.

SHORTER CONTRIBUTIONS

Ruppert, K.M., K.A.J. Altabet, and S.A. Rush. In Press. *Lithobates sphenoccephalus* (Southern Leopard Frog) and *Ambystoma talpoideum* (Mole Salamander). Predation. *Herpetological Review*.

Ruppert, K.M., K.A.J. Altabet, and S.A. Rush. 2022. *Lithobates capito* (Gopher Frog). Freezing Temperature Survival. *Herpetological Review* 53:653.

Duffie, D.R., **K.M. Ruppert**, and S.A. Rush. 2021. Geographic distribution: USA, Mississippi, Oktibbeha Co.: *Anolis carolinensis* (Green Anole). *Herpetological Review* 52:575.

Ruppert, K.M. and D.R. Davis. 2019. Geographic distribution: USA, Texas, Aransas Co.: *Eleutherodactylus cystignathoides* (Rio Grande Chirping Frog). *Herpetological Review* 50:744.

Bogolin, A.P., D.R. Davis, **K.M. Ruppert**, R.J. Kline, and A. F. Rahman. 2019. Geographic distribution: USA, Texas, Crockett Co.: *Pseudemys gorzugi* (Rio Grande Cooter). *Herpetological Review* 50:745.

Davis, D.R., **K.M. Ruppert**, and R.J. Kline. 2019. Geographic distribution: USA, Texas, Kinney Co.: *Siren intermedia* (Lesser Siren). *Herpetological Review* 50:95–96.

Ruppert, K.M. 2016. White-Tailed Deer Management: Considerations for Wild Pig Control. *Texas A&M AgriLife Extension Wild Pig Newsletter* 1(3):1-4. College Station, Texas, USA.

IN PREPARATION

Ruppert, K.M., K.A.J. Altabet, and S.A. Rush. *Lithobates capito* (Gopher Frog) Attempted Predation. *Herpetological Review*.

RESEARCH GRANTS

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| 2023 | Assessment of the Genetic Diversity and Relatedness of Gopher Frogs (<i>Rana</i> [<i>Lithobates</i>] <i>capito</i>) on the Conecuh National Forest, Covington County, AL
The Gopher Tortoise Council J. Larry Landers Student Research Grant \$2,000 |
| 2022 | Assessment of the Genetic Diversity and Relatedness of Gopher Frogs (<i>Rana</i> [<i>Lithobates</i>] <i>capito</i>) on the Conecuh National Forest, Covington County, AL
The Orianne Society Grant Program for Reptile and Amphibian Conservation in the Southeast \$2,000 |

SCHOLARSHIPS AND AWARDS

2023	Finalist <i>Mississippi State University Image of Research Competition</i>
2022	3rd Place Oral Presentation <i>Mississippi State University Graduate Research Symposium</i>
2019	Student Travel Award <i>Society for the Study of Amphibians and Reptiles</i>
2018, 2019	Graduate Student Travel Award <i>University of Texas Rio Grande Valley</i>
2016	Conservation Leaders for Tomorrow Workshop Scholarship <i>Max McGraw Wildlife Foundation</i>

PRESENTATIONS

Ruppert, K.M. 2022. Post-Breeding Movement and Microhabitat Selection of Gopher Frogs (*Rana [Lithobates] capito*) on the Conecuh National Forest. Mississippi State University Fall Graduate Research Symposium, Oral Presentation.

Ruppert, K.M. and S.A. Rush. 2022. Post-Breeding Movement and Microhabitat Selection of Gopher Frogs (*Rana [Lithobates] capito*) on the Conecuh National Forest. Alabama Partners in Amphibian and Reptile Conservation, Oral Presentation.

Ruppert, K.M., D.R. Davis, R.J. Kline, and M.S. Rahman. 2019. Development, Application, and Assessment of an Environmental DNA Assay for Detection of the Rio Grande Siren. Joint Meeting of Ichthyologists and Herpetologists, Oral Presentation

Ruppert, K.M., E.A. Bare, D.R. Davis, R.J. Kline, and M.S. Rahman. 2019. Development and Application of an Environmental DNA Assay for Detection of the Rio Grande Siren. Texas Chapter of the Wildlife Society, Oral Presentation

Ruppert, K.M., E.A. Bare, R.J. Kline, and M.S. Rahman. 2019. Development of a New Environmental DNA Assay for Detection of the Rio Grande Siren. Society for Integrative and Comparative Biology, Oral Presentation.

Ruppert, K.M., E.A. Bare, R.J. Kline, and M.S. Rahman. 2018. Sifting Through the Soup: Developing an Environmental DNA Assay for Threatened Amphibians. Texas Chapter of the Wildlife Society, Poster Presentation