

Zoë J. Kitchel | zoe.kitchel@rutgers.edu | zoekitchel.com

Rutgers University, 14 College Farm Road, New Brunswick, NJ 08904

Education

- 2017 – Present Ph.D. Candidate in Ecology & Evolution, Rutgers University. Advisor: Dr. Malin Pinsky. Dissertation: “Climate driven community reassembly of marine ectotherms”
- 2011 – 2015 B. S. in Ecology & Evolutionary Biology, Yale University, *magna cum laude*. Thesis: “Forest and savanna tree demography along a rainfall gradient: a meta-analysis”

Professional experience

- 2018 – Present Graduate Research Assistant, Rutgers University
- 2015 – 2017 Fisheries Technology and Biology Project Coordinator, University of Alaska
- 2016 – 2017 Research Diver, Sitka Sound Science Center, Alaska
- 2015 Research Assistant, Gulf of Maine Research Institute
- 2014 Conservation Intern, Damariscotta Lake Watershed Association, Maine
- 2013 Stream Watershed Assessment Tech., Maine Dept. of Environmental Protection

Awards

- 2020 Manasquan Marlin and Tuna Club Burlew Scholarship (\$1000)
- 2020 Lewis and Clark Field Scholar (\$3700)
- 2019 – 2020 Institute of Earth, Ocean, and Atmospheric Sciences Excellence Fellowship, Rutgers
- 2019 School of Environmental and Biological Sciences Travel Award, Rutgers (\$617)
- 2019 National Science Foundation Graduate Research Fellowship Honorable Mention
- 2019 Buell Award for Undergraduate Mentorship, Rutgers (\$3500)
- 2018 National Defense Science and Engineering Graduate Fellowship Alternate
- 2018 Ecology and Evolution Program Small Grant Award, Rutgers (\$1500)
- 2018 Coastal Climate Risk and Resiliency Traineeship Travel Award, Rutgers (\$500)
- 2017 – 2018 School of Environmental and Biological Sciences Excellence Fellowship, Rutgers

Peer-reviewed publications

4. **Kitchel, Z. J.** & Pinsky, M. L. *In review*. Regional species gains outpace losses across North American continental shelf regions. *Global Ecology and Biogeography*.
3. **Kitchel, Z. J.**, Conrad, H. M.*, Selden, R. S., & Pinsky, M. L. (2022). The role of continental shelf bathymetry in shaping marine range shifts in the face of climate change. *Global Change Biology*, 28(17), 5185-5199.
2. **Kitchel, Z. J.** & Zemeckis, D. R. (2021). Climate Change Impacts on New Jersey's Marine Fisheries. *Rutgers Cooperative Extension Bulletin E369*. <https://njaes.rutgers.edu/e369/>
1. Pinsky, M. L., Selden, R. L., & **Kitchel, Z. J.** (2019). Climate-Driven Shifts in Marine Species Ranges: Scaling from Organisms to Communities. *Annual Review of Marine Science*, 12.

*student mentee authors

Teaching experience

Ecology and Evolution

- 2021 Ecology, Evolution, Natural Resources Senior Seminar (semester course, co-instructor)
2020 Global Change Ecology (semester course, instructor)

Pedagogical course and workshop instruction (as Rutgers Teaching Assistant Project Associate)

- 2021-2022 Developing Culturally Responsive Curriculum (workshop, facilitator)
2020-2022 Introduction to College Teaching, Rutgers (semester course, instructor)
2021 Time Management as a Teaching Assistant (workshop, facilitator)
2020 Boosting Confidence as an Instructor In Person and Online (workshop, facilitator)
2020 Role of the Instructor in the College Classroom (workshop, facilitator)
2019-2020 Designing Your Own College Course, Rutgers (semester course, instructor)
2019 Facilitating Classroom Conversations (workshop, facilitator)
2019 Working with Students with Disabilities (workshop, facilitator)

Undergraduate mentoring

- 2022 Jesenia Rosa Miranda – morphological variation in Atlantic Croaker larvae over time
2021 Justin Deutsch – morphological variation in Atlantic Croaker larvae over space
2020 Hailey Conrad – global assessment of continental shelf habitat availability
2019-2020 Ria Koberness – spatial sorting in range expansions of North American fishes
2019 Cassiel Padilla-Duran – variation in life history strategies in marine invertebrates

Guest Lectures

- 2022 Environmental Science, Kentucky Wesleyan College, *Humans and the Ocean*
2022 Quantitative Approaches in Fisheries, Rutgers University, *Consequences of Species on the Move*
2020 Ecological Data Analysis, Rutgers University, *Working with Big Data in R*

Working groups, conferences, workshops, invited seminars

Working Groups

- 2020-Present FishGlob, Center for Synthesis and Analysis of Biodiversity, Montpellier, FR
2018-Present NEREUS Global Partnership, Graduate Student Fellow, University of Washington

Contributed Talks

- 2022 Ocean Sciences, Virtual, *Testing for biotic homogenization across marine fish communities*
2020 Western Society of Naturalists, Virtual, *Marine extirpations lag behind colonizations across North American shelf regions*
2019 Species on the Move, Kruger National Park, South Africa, *Temperature change as a driver of variability in the presence of marine species at a regional scale*
2019 NEREUS Science Conference, Princeton, NJ, *The Role of Temperature in Patterns of Range Shifts of Marine Species*, [youtube.com/watch?v=ZcoPYbf1CLE](https://www.youtube.com/watch?v=ZcoPYbf1CLE)

Workshop Attendance

- 2019 Sustainable Development Goals Integration Workshop, University of British Columbia
2018 Species Distribution Modeling, University of Evora, Portugal, w/ Dr. Miguel Araújo

Invited Seminars

- 2020 Southampton University, *Fish and fisheries in a changing climate*

Outreach and service

Ecology and Evolution Program

- 2017-2021 Graduate Student Association (Secretary 2018-19, President 2019-2021)
2017-2019 Visiting student day coordinator

Rutgers University

- 2021-Present School of Graduate Studies Diversity Equity Inclusion Committee
2019-Present Undergraduate research mentor
2018-Present Marine field station volunteer field researcher
2018-2021 Shorebowl moderator
2019 Geology museum open house presenter
2018 Future Scholars mentor
2017-2018 Science communications course final project evaluator

New Jersey Public Schools

- 2021 NJ City STEAM Mentor
2018-2019 Rutgers Science Bus Fellow (presenter to 6th grade classrooms throughout NJ)
2018 Redshaw Elementary STEM Festival presenter

Other

- 2020-Present Skype a Scientist participant
2015-2017 Whalefest Conference volunteer, Sitka, Alaska
2015-2016 Science fellow, University of Alaska Southeast
2015-2017 Microscope lesson teacher in 3rd and 4th grade classrooms, Sitka, Alaska

Memberships

- 2022-Present American Society of Naturalists
2020-Present Western Society of Naturalists
2020-Present American Institute of Fisheries Research Biologists
2016-Present American Academy of Underwater Sciences