



## sheth evolutionary ecology lab

**Ph.D. position in Plant Evolutionary Ecology**  
Department of Plant and Microbial Biology  
North Carolina State University

The Sheth evolutionary ecology lab invites applications for a Ph.D. position beginning in Fall 2022. We study the ecological and evolutionary processes underlying species climatic niches and geographic ranges, with the aim of understanding evolutionary and plastic responses to climatic changes. Primarily using monkeyflowers (historically treated in the genus *Mimulus*) as a model system, we combine field, greenhouse, and growth chamber experiments, quantitative genetics, and comparative analyses to examine constraints to adaptation in plant populations, species, and communities.

NC State's Department of Plant and Microbial Biology offers a highly-rated research environment and is situated in a collaborative and scientifically stimulating atmosphere in the Research Triangle, with both UNC Chapel Hill and Duke University nearby. There is a vibrant and growing community of ecologists and evolutionary biologists spread across multiple departments on campus, including Applied Ecology, Biological Sciences, Entomology and Plant Pathology, Forestry and Environmental Resources, Soil and Crop Sciences, and Biochemistry, among others. Raleigh is a lively yet affordable city with a high standard of living, and its surroundings offer numerous recreational activities.

We are looking for a highly motivated student with a keen interest in plant evolutionary ecology with an emphasis on large-scale quantitative genetic field experiments. Thesis projects can be tied into ongoing research in the lab or developed according to mutual interests. Interested students are encouraged to familiarize themselves with our research and publications at [www.seemasheth.weebly.com](http://www.seemasheth.weebly.com). We strive to foster an inclusive environment where people from all backgrounds are respected and we especially welcome applicants from groups that have historically been underrepresented or excluded.

**TO APPLY:** Graduate students should apply to the **Plant Biology Graduate Program**, and are typically funded through a combination of teaching and research assistantships. Before submitting a formal application (**due January 15**), please send the following information to Dr. Sheth at [Seema\\_Sheth@ncsu.edu](mailto:Seema_Sheth@ncsu.edu) no later than **December 1**: 1) CV; and 2) a statement of your academic background and previous research experience, current research interests, and why you want to join the lab.