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Abstract:

The unifying theme of my lab's research is to understand how human stressors to the environment affect biodiversity and how to mitigate those impacts. These stressors include changes to landscapes climate change and species introductions. We often study spatial and temporal dynamics and use field studies at large spatial and long temporal scales to test theory and link ecological pattern with process. Areas of research include landscape connectivity/corridors habitat fragmentation plant-pollinator networks insect community ecology stable isotope ecology and conservation biology. We work on a variety of taxa but have a particular fondness for insects. Settings for our field work include the longleaf pine ecosystem of the southeastern US and forests and meadows of the Rocky Mountains.

Bio:

I'm an Assistant Professor in the Department of Ecology and Evolutionary Biology at the University of Colorado. I was born in Argentina and spent much of my childhood and young adult life in Oklahoma. I did my PhD at the University of Florida and studied community ecology of ants at the Savannah River Site in South Carolina. I did an NSF and Chancellor's Fellowship at the University of Colorado studying the effects of habitat fragmentation on food webs and species niches in a large scale experiment in Australia. I'm currently in my second year of my faculty position; I'm excited about current projects on spatiotemporal dynamics of plant-pollinator interactions and about developing research projects with my new graduate students.