

Dr. Xingli Giam

I am an Assistant Professor in the Department of Ecology and Evolutionary Biology at the University of Tennessee, Knoxville (UTK). I completed my B.Sc. (1st class honours) and M.Sc. degrees in Biology at the National University of Singapore in 2007 and 2010, respectively, and my Ph.D. degree in Ecology and Evolutionary Biology at Princeton University in 2014. After completing my Ph.D. dissertation research on freshwater fish conservation in southeast Asia, I lead projects centering on freshwater fish macroecology and statistical ecology as a postdoc at the University of Washington.

My research program at UTK focuses on characterizing and mitigating anthropogenic impacts on the environment with a particular emphasis on freshwater systems in the central/southern Appalachians and in southeast Asia. My existing research leverages on large continental-scale environmental, biological, and socioeconomic datasets to answer policy-relevant questions in conservation across multiple spatial scales. These projects span multiple ecological and human systems, including examining the impacts of climate change, land-use change, and nonnative species invasions on native fish communities in the Appalachians, and the impacts of land-cover/use change on freshwater systems and human livelihoods in southeast Asia.

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