



COLLOQUIUM

Yanyu Xiao, PhD

Associate Professor

University of Cincinnati

Examine the environmental effects on
population dynamics of insects via some
mathematical models and experimental data

Friday Apr. 12 at 2:30pm in RT 1516

Bio: Yanyu Xiao, associate professor. She graduated from Western University in Ontario, Canada in 2011. Her research focus is in mathematical biology.

Abstract: The population dynamics of insects are highly sensitive to its age distribution and local climate. In the first part, we will model a stage-structured insect species that undergoes diapause if faced with strong intraspecific competition among larvae. In the second part, we will discuss the impact of climate effect on vector populations from lab results.

Refreshments will be served in RT 1517 at 2:10pm