

## Professor ZHANG Lai

College	College of Mathematical Science
Current Position	Professor
Types of Tutor	Doctoral Tutor
Language	Chinese/English
Education	PhD, Technical University of Denmark
Research Interests	Mathematical Ecology
Selected Publications	<ol style="list-style-type: none"><li>1. Prince Harvim, Hong Zhang, Paul Georgescu, Lai Zhang*, 2019 Transmission dynamics and control mechanisms of vector borne diseases with active and passive movements between urban and satellite cities, Bulletin of Mathematical Biology IF=1.643, JCR = 4, doi.org/10.1007/s11538-019-00671-4</li><li>2. Lai Zhang*, Xavier Thibert-Plante, Jörgen Ripa, Richard Svanbäck, Åke Brännström, 2019, Biodiversity loss through speciation collapse: mechanisms, warning signals, and possible rescue. Evolution Doi:10.1111/evo.13736.</li><li>3. Lai Zhang*, Daisuke Takahashi, Martin Hartvig, Ken Haste Andersen, 2017. Food-web dynamics under climate change. Proceedings of the Royal Society of London B: Biological Science, Doi: org/10.1098/rspb.2017.1772.</li><li>4. Lai Zhang*, Ulf Dieckmann, Åke Brännström, 2017. On the performance of four methods for the numerical solutions of ecologically realistic size-structured population models. Methods in Ecology and Evolution 8, 948-956.</li><li>5. Lai Zhang*, Jia Liu, Malay Banerjee, 2017. Hopf and steady state bifurcation analysis in a ratio-dependent predator-prey model. Communications in Nonlinear Science and Numerical Simulations 44, 52-73.</li></ol>
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