

Graduate Positions in Invasion Ecology
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<http://www.utm.utoronto.ca/~w3pkota/>

I am looking for Ph.D. and M.Sc. students for investigations into the ecology of plants and their natural enemies (herbivores and pathogens) in Ontario and elsewhere. Recent work by my lab has centred on the effects of these enemies on non-native species. We have used field experiments and surveys to test whether alien plants experience reduced rates of insect and pathogen damage, as predicted by the Enemy Release Hypothesis, and whether damage depends upon phylogeny, latitude, population isolation, and other factors. Information on our research can be found at my home page (www.utm.utoronto.ca/~w3pkota).

We are a thriving department at a leading research institution, with excellent resources and many opportunities for interaction and collaboration. All graduate students are guaranteed a stable minimum income, currently around \$24,000 from a variety of sources, as well as support for research and conference travel; it is helpful (but not essential) if you also have your own fellowship support. Information on application procedures and our tri-campus graduate program can be found at <http://www.eeb.utoronto.ca/grad.htm>. We accept applications for 2015 beginning this November, and begin to review them in January. Interested students should contact me via e-mail: peter.kotanen@utoronto.ca.

Some recent publications

Kambo, D. and P.M. Kotanen (2014) Latitudinal trends in herbivory and performance of an invasive species, common burdock (*Arctium minus*).

Biological Invasions 16: 101-112. Dunn, A.M., M.E. Torchin, M.J. Hatcher, P.M. Kotanen, D.M. Blumenthal, J.E. Byers, C.A.C. Coon, V.M. Frankel, R.D. Holt, R.A. Hufbauer, A.R. Kanarek, K.A. Schierenbeck, L.M. Wolfe, and S. E. Perkins (2012)

Indirect effects of parasites on invasions. Functional Ecology 26: 1262-1274. Hill S.B. and P.M. Kotanen (2011)

Phylogenetic structure predicts capitular damage to Asteraceae better than origin or phylogenetic distance to natives. Oecologia 166: 843-851. MacDonald A.A.M. & P.M. Kotanen (2010)

The effects of disturbance and enemy exclusion on performance of an invasive species, common ragweed, in its native range. Oecologia 162: 977-986.

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