Our very own graduates will be presenting the colloquium this week. Erika Freimuth will talk on “Investigating the origin of leaf waxes in lake sediments,” Anastasia Fries will talk on “Methane emissions from aging and abandoned oil and gas infrastructure in Appalachian Ohio,” and Sonia Sanchez will be talking on “Upper plate response to varying subduction style in the forearc Cook Inlet Basin, South-central Alaska.” The talks will be in Braunstein 300 started with refreshments at 3:30.


Please check out a couple of excellent recent papers by our students and faculty:

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**Effect of Lonicera maackii on Soil Carbon and Nitrogen in Southwestern Ohio Forests**

Sarah E. Kolbe, Amy Townsend-Small, Arnold I. Miller, Theresa M. Culley, and Guy N. Cameron*

Introduced plants threaten biodiversity and ecosystem processes, including carbon (C) and nitrogen (N) cycles, but little is known about the threshold at which such effects occur. We examined the impact of the invasive shrub Amur honeysuckle on soil organic carbon (SOC) and N density at study sites that varied in invasion history. In plots with and without honeysuckle, we measured honeysuckle abundance and site (basal area) and extracted soil cores. SOC and N densities were highest at the site with the longest invasion history and highest invasion intensity (i.e., greatest abundance and basal area of honeysuckle). Basal area of honeysuckle positively affected SOC and N densities likely because of increased litter decomposition and altered microbial communities. Because honeysuckle increases forest net primary productivity (NPP) and SOC, it also may play a role in C sequestration. Our results demonstrate the need to consider the influence of invasion history and intensity when evaluating the potential impact of invasive species.

**Nomenclature:** Amur honeysuckle, Lonicera maackii (Rupr.) Herder LOMA6.

**Key words:** Amur honeysuckle, deciduous forest, invasion history, invasion intensity, invasive plants, soil nutrients.
More Grants

Allison Young just received a grant from the Ohio Rocks! Scholarship Fund. The Ohio Geology Advisory Council selected her project on the basis of the quality of the proposal and its relevance to Ohio’s geology. Congratulations Allison.

Lewis just got a grant for $39,000 from National Earthquake Hazard Reduction Program (HEHRP) of the USGS to work on the Calico fault in the Mojave Desert.

Please keep sending me your news.

Cheers,

Lewis