Universidade Federal de Goiás
Instituto de Ciências Biológicas
Programa de Pós-Graduação em Ecologia e Evolução

Palestras de Professores Visitantes

As inscrições devem ser feitas acessando este formulário.

Palestra do Prof. Nicholas Gotelli (Universidade de Vermont)

The ecological impacts of nitrogen deposition: insights from the carnivorous pitcher plant Sarracenia purpurea

Resumo: The burning of fossil fuels and the widespread use of synthetic fertilizers over the past century has more than doubled the concentration of phosphorus and reactive nitrogen in all aquatic and terrestrial habitats. This seminar explores the effects of anthropogenic nutrient deposition on the plant physiology and population growth of the carnivorous pitcher plant Sarracenia purpurea and on the microbial dynamics of the micro-ecosystem and food web that develops in the aquatic pools of its cupped leaves. This model system allows for unique insights from a combination of field experiments, greenhouse manipulations, long-term monitoring, and modeling.

Dia: 02/06/2025
Horário: 09:00
Local: Auditório do ICB-II

Palestras do Prof. Robert K. Colwell (Universidade do Colorado)

1 *Climate warming, elevational range shifts, and lowland biotic attrition: Still little evidence of poleward range shifts in the tropics, but lowland biotic attrition may be underway*

Resumo: Seventeen years ago, Colwell and colleagues predicted that climate change and rising global temperatures would lead to widespread upslope range shifts of tropical species, but that poleward range shifts would be unlikely within the terrestrial tropics, because of the shallow latitudinal temperature gradient at low latitudes. They also predicted "biotic attrition" (a net loss of species) in equatorial lowlands, where no warmer regions exist as a source of more-thermophilic species to replace species shifting upslope. Based on three recently published literature reviews of terrestrial range shifts, covering more than 450 studies and thousands of species worldwide, we document more than 20 cases of elevational range shifts within the tropics, but we find no unambiguous examples of a latitudinal range shift for any fully tropical terrestrial species. In contrast, outside the tropics, the majority of documented range shifts are latitudinal. We offer evidence that climate change may already be driving extensive and widespread declines in lowland tropical diversity.

Dia: 02/06/2025
Horário: 10:30
Local: Auditório do ICB-II

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2 *True tales of identity and mistaken identity from sixty years as a naturalist, modeler, heretic, and rancher*

Resumo: A very informal fireside chat (minus the fire) about adventures and misadventures with a *golpe de estado*, vipers, FBI agents, creationists, poisonous invasive weeds, and academic reactionaries.

Dia: 02/06/2025
Horário: 14:00
Local: Auditório do ICB-II