Floristic tools, resources, & databases for southeastern biodiversity conservation

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Background:
Many states lack up-to-date floras

Strong demand for modern synthesis of floras and botany research for the full region and state derivative floras

Future work:
Decade of last inclusive state or regional flora published
More research
App improvement

Improvements to the flora:
Traditional dichotomous keys are ordered and you can’t skip leads. We place flowering traits later in the key to help ID plants vegetatively.

Graphic keys are interactive, unordered; all questions are optional, and the number of options can vary. A single easily observed trait may lead to an ID.

The 2022 Flora of the Southeastern US includes 7,521 native and 3,209 alien plant taxa (total: 10,730)

~750 Southeastern vascular plant species have been named since 1970 (~10% of the native flora)

Incorporates thousands of cited data sources from taxonomic research, monographs, floristics, and citizen science observations.

Diagnostic images in flora keys, a flora web app

Index of Heliophily (sun-lovingness)

Simplified Magnolia dichotomous keys in state derivative floras

West Virginia  Delaware  Texas

Flora Manager Database

Manage

Data for mobile app

New web app

Continued integration and collaboration