

## IITG Project Outcomes Form - Report Outcomes

### Name of person reporting outcomes

Nina Bassuk

### Email

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### IITG Project Title

2013-Cornell-Bassuk-Integrated Online Database

### Have you applied for, or received additional funds? (choose all that apply):

- Have applied for campus funds to support this project
- Have received campus funds to support this project

### Do you intend to create an ongoing "Community of Practice" within the SUNY Learning Commons to continue work and dialog regarding this project?

Unsure at this time

### Overall, how successful was IITG in meeting your project goals? (You may elaborate on your response in the final question if not addressed elsewhere.)

Extremely successful

### Do you wish your current abstract to be used?

Yes

### File One Upload and Brief Description

As part of a 2013 SUNY IITG grant, we developed a searchable adaptive web-based tool to aid students in accessing information about the identification and use of woody plants in the landscape. Because in-field study of the plants is essential to learn about identification and use, this field app<sup>1</sup> linked to an extensive database has tremendous value. To accomplish this we modified the existing database to be more widely accessible with an improved search interface and performance, better graphics and graphics management, integrated audio descriptions of the plants, and dynamic mapping of plants to enhance the learning experience. This online database is currently available and free to the public and other SUNY campuses to use in their curricula and is responsive to screen sizes (smart phones and tablets) making it usable as a real field application.

The grant was completed in June, but there are areas we would like improve. For example, the site includes course walks which align with the weekly course curriculum and provide relevant plant information and a map of the plants on campus for the students to interact with. During the testing phase, we found issues with the mapping interface, because GPS locations are not as accurate as desired (3-5 meters) and the Google Map API imagery is not lined up correctly, the plants are not always where they should be based on their latitude and longitude. We'd like to continue this work and look at other data and mapping options to see if the accuracy can be improved. There will also be ongoing involvement with the students to add to and improve the location data with the use of phone apps and handheld GPS devices in future semesters.

### Project Website Address (Hyperlink 1)

<http://woodyplants.cals.cornell.edu/home>

### Consistent with the RFP, you must indicate which Creative Commons license you intend to use.

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