**Submission Location:**

Global Change Biology

New Phytologist

Journal of Ecology

**Title Options:**

**Introduction:**

Species Invasion (Kathryn)

* Theory
* Consequences

Mutualism and invasion (Smriti)

* Theories
* Under studied phenomenon

Generalists & Specialists (Kim)

* Across all mutualistic relationships
* How many and who are they? Both are important questions and ideas for invasion

Legumes as a model system (Kim)

* Cool symbiosis
* Why are they good to study for mutualism \* invasion question
* Important because they’re N fixers, etc.

Ways people study invasion (setting up hypotheses) (Smriti)

* Comparing native range to non native range
* Comparing non native to natives in non native range

What We Did (Kathryn)

* Questions
  + Do species that are globally native have a different strain richness than those that are introduced somewhere in the world? (regardless of where the samples were collected, this is the global plant status)
  + Are non-native legumes utilizing the same number rhizobial strains as they do in their native range? ((a)across studies that specifically addressed this question and (b) those that did not)
    - What is the percent overlap of strains between non-natives in their native range compared to non-native range
  + Do species that are non-native in a given area associate with the same number of rhizobial symbionts as those that are native in the same area?
    - What is the percent overlap?
* Hypotheses

**Methods:**

Retrieving papers (Kim)

Extracting data (Kathryn)

Calculating overlap (Smriti)

Analyzing data (non-genetic & genetic))

* Everyone, write your own!

**Results:**

Do species that are globally native have a different strain richness than those that are introduced somewhere in the world? (regardless of where the samples were collected, this is the global plant status) (Kim)

Are non-native legumes utilizing the same number rhizobial strains as they do in their native range?

* What is the percent overlap of strains between non-natives in their native range compared to non-native range

(a)across studies that specifically addressed this question - Smriti

(b) those that did not - Kim

Do species that are non-native in a given area associate with the same number of rhizobial symbionts as those that are native in the same area? (Kathryn)

* What is the percent overlap?

**Discussion:**