

Improving Keyword Search over Ecological Data Sets

Srinivas Vadrevu, Corinna Gries, Hasan Davulcu

Abstract: Enhance the keyword search experience over Ecological literature by providing guidance information as a relational graph (a probabilistic ontology) bootstrapped from Ecological literature.

- **Entity Extraction from Ecological Sources:** Extract named entities from Ecological publications, text books, and ontologies.
- **Building Relational Graph:** Build probabilistic relational graph using co-occurrence within entities in Ecological literature.
- **Exploratory Keyword Search:** Guide the keyword search by providing related keywords from the relational graph that help expand or narrow down the focus of the search.

