

Yue Li

School of Ecological and Environmental Sciences, East China Normal University, China
500 Dongchuan Road, Shanghai 200241, China

E-mail: liyue12318@163.com

Tel: 86-15034918667

EDUCATION

East China Normal University, China

Master Student 08/2020 -- 12/2023

School of Ecological and Environmental Sciences

Major: Ecology

Main research: Community Ecology

Dissertation: The role of resource diversity in shaping microbial functional and phylogenetic community structures (pending)

Supervisor: Prof. Shaopeng Li

GPA: 3.63/4

Inner Mongolia University, China

Bachelor Student 08/2016 -- 06/2020

School of Ecology and Environment

Major: Ecology

Main research: Ecology

Dissertation: A meta-analysis of the impact of global change factors on the ability of species diversity to resist invasion

GPA: 3.39/4

GPA Ranking: 2/20

Peking University, China

Visiting Student 02/2019 -- 08/2019

College of Urban and Environmental Science

Core courses in major

Course name	Score	Course name	Score
Ecology (IMU)	92	Ecology and Environmental Change (PKU)	99
Landscape Ecology (IMU)	95	Nature Conservation Science (PKU)	100
Urban Ecology (IMU)	98	Advances in Community Ecology and Macroecology (ECNU)	92
Biostatistics in R (IMU)	95	Research Progress in Functional Ecology (ECNU)	90
Quantitative Ecology (IMU)	94	Academic English in Ecology (ECNU)	90

RESEARCH EXPERIENCE

The roles of native community diversity and native-exotic species ecological differences on invasion resistance: a global-scale analysis based on Nutrient Network Database

This study's objective is to investigate whether community diversity and exotic-native similarity would show consistent negative effects on exotic invasion under the enrichment of different resources and whether the relative importance of community diversity and the exotic-native difference would change after resource enrichment. Submitted a proposal to Nutrient Network and obtained and granted permission to utilize the database.

(From August 2022 to present)

Exploring the role of resource diversity in shaping microbial community structures

This research aims to provide a more mechanistic understanding of how resource diversity mediates community assembly and coexistence, thereby contributing to the further development of phylogenetic and functional ecology. The current main conclusion is that resource diversity makes the community structure more clustered. However, phylogenetic and functional diversity increased with resource diversity.

(From August 2021 to present)

A meta-analysis of the impact of global change factors on the ability of species diversity to resist invasion

This research aimed to determine whether the negative relationship between native diversity and invasiveness in the community predicted by Elton's biological resistance hypothesis theory has changed in the context of global change. Data from around the world were collected and analyses completed, and the data on nitrogen deposition has been published. The study finds that global change does not alter diversity's ability to resist invasion.

(From April 2020 to November 2021)

A field investigation of the impact of plant diversity on bird diversity in urban parks

The primary purpose of this study was to investigate the impact of plant community configuration on bird diversity in urban parks. We hope to provide more reasonable plant cultivation suggestions for park builders. It is a creative undergraduate course with fieldwork on plants and birds in ten local parks in different habitats.

(From October 2018 to December 2019)

HONORS AND AWARDS

Academic Excellence Scholarship of East China Normal University Sept. 2022

Academic Excellence Scholarship of East China Normal University Aug. 2021

The honor of Best Speaker in Guanghua Academic Forum Mar. 2021

Academic Excellence Scholarship of East China Normal University Oct. 2020

Outstanding Undergraduate Scholarship of Inner Mongolia University Apr. 2020

First-Class Academic Excellence Scholarship of Inner Mongolia University Sept. 2019

First-Class Academic Excellence Scholarship of Inner Mongolia University Sept. 2018

Third-Class Academic Excellence Scholarship of Inner Mongolia University Sept. 2017

PUBLICATION

Li SP, Jia P, Fan SY, Wu Y, Liu X, Meng YN, Li Y, Shu WS, Li JT, Jiang L. (2022). Functional traits explain the consistent resistance of biodiversity to plant invasion under nitrogen enrichment. *Ecology letters*, 25, 778-789. [Link](#)

The role of resource diversity in shaping microbial functional and phylogenetic community structures. (in preparation)

OTHER INFORMATION

Language: Chinese (native language); English (level: College English Test-level 6)

Software: MS Office; R programming language

Skill: field investigation of plant community; microbial community studies in laboratory