

JIAYUN ZOU

Jiayun Zou, PhD candidate at [Kunming Institute of Botany CAS \(Chinese Academy of Sciences\)](#), focusing on how species interactions with others and with the environment shape biodiversity maintenance.

I am interested in ecology, evolution and conservation biology of plants. For doctoral thesis, I try to combine ecology and evolutionary biology theory to disentangle the factors that shape coexistence of close relatives, using data of multiple traits, transcriptome and pollination experiment from alpine and subalpine Rhododendron species in the Hengduan Mountains.



EDUCATION

- | | |
|----------------------|--|
| present

2015 | <ul style="list-style-type: none">● PhD. Candidate, Botany
Kunming Institute of Botany, Chinese Academy of Sciences Kunming, CN<ul style="list-style-type: none">• Advisor: Lian-Ming Gao• Thesis: Mechanisms of maintenance of <i>Rhododendron</i> species diversity in Yulong Mountain, northwest Yunnan, China |
| 2015

2011 | <ul style="list-style-type: none">● B.S., Ecology
Guizhou University Guiyang, CN<ul style="list-style-type: none">• Thesis: Species composition and community phylogeny of <i>Pinus armandii</i> forest in Yulong Mountain, northwest Yunnan• GPA: 3.78/4.0• Outstanding Graduate in Guizhou Province |
| 2020 | <ul style="list-style-type: none">● The 6th Short Course of “Methods in Ecology”
East China Normal University Shanghai, CN<ul style="list-style-type: none">• Taught by Prof. Pierre Legendre |
| 2019 | <ul style="list-style-type: none">● Biostatistics Workshop
Yunnan University Kunming, CN |
| 2016 | <ul style="list-style-type: none">● R programming and Biostatistics Course
University of Chinese Academy of Sciences Beijing, CN |

WORKING EXPERIENCE

- | | |
|-------------------|--|
| 2016

2015 | <ul style="list-style-type: none">● Class monitor
College of Life Sciences University of Chinese Academy of Sciences |
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CONTACT

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- 🐦 [Jiayun Zou](#)
- 🔗 [github.com/zoujiayun](#)
- 🔗 [researchgate.net/Zou Jiayun](#)

SKILLS

- Computer
 - R Programming for statistical analysis
 - Linux bash for transcriptome data analysis
- Language
 - Chinese (mother language)
 - English (CET-6)

Made with the R package
[pagedown](#)

Last updated on 2020-10-28.

- 2014
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2013
- **Systematic and Evolutionary Biology**
College of Life Sciences 📍 University of Chinese Academy of Sciences
 - Teaching Assistant
 - Graduate level class
 - **Oral English course**
Foreign Language Department 📍 Guizhou University
 - Teaching Assistant
 - Undergraduate level class

≡ AWARDS RECEIVED

- 2015
|
2013
- 2013
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2012
- **Merit Student**
College of Life Sciences 📍 University of Chinese Academy of Sciences
 - **The First Prize Scholarship & Merit Student**
College of Life Sciences 📍 Guizhou University
 - **National Encouragement scholarship & Excellent Student Cadre**
College of Life Sciences 📍 Guizhou University

≡ PUBLICATIONS

- 2020
- **Joint effect of phylogenetic relatedness and trait selection on the elevational distribution of *Rhododendron* species**
Journal of Systematics and Evolution. (in press)
 - JY Zou, YH Luo, KS Burgess, SL Tan, W Z, CN Fu, K Xu, LM Gao*
 - Q1 quartile
 - **Elevational gradients in intraspecific variation of vegetative and floral traits for *Rhododendron* species in Yulong Mountain**
(in preparing)
 - JY Zou, YH Luo, KS Burgess, SL Tan, W Zheng, LJ Ye, Kun Xu, LM Gao*
 - **Multitrophic diversity and biotic associations maintain subalpine forest ecosystem multifunctionality**
Nature Communications. (under review).
 - YH Luo, MW Cadotte, J Liu, KS Burgess, SL Tan, LJ Ye, JY Zou, ZZ Chen, XL Jiang, J Li, K Xu, DZ Li*, LM Gao*
 - **Comparative transcriptome analysis involved in late anthocyanin biosynthesis of a sympatric *Rhododendron* complex**
(complete)
 - LJ Ye, YH Luo, JY Zou, W Zheng, AD Zhu, DZ Li, LM Gao*

2019

- **Greater than the sum of the parts: how the species composition in different forest strata influence ecosystem function**
Ecology Letters. 2019, 22: 1449-1461.
 - YH Luo, MW Cadotte, KS Burgess, J Liu, SL Tan, JY Zou, K Xu, DZ Li*, LM Gao*
 - Impact Factor = 10.562
- **Development of polymorphic microsatellite markers for tree peony *Paeonia delavayi* (Paeoniaceae) using ddRAD-seq data**
Molecular Biology Reports. 2019, 46: 4605-4610
 - SL Tan, PM Hollingsworth, HT Qin, LJ Ye, JY Zou, LM Gao*

CONFERENCE PROCEEDINGS

2019

- **The 18th China Ecology Conference**  Kunming, CN
 - **The 3rd Symposium on Natural Hybridization and Biodiversity**
Oral talk: Mechanisms of coexistence of *Rhododendron* species in Yulong Mountain.  Kunming, CN
- 2018
- **The 16th China Botanical Society Conference**  Kunming, CN
- 2017
- **XIX International Botanical Congress**  Shenzhen, CN

FIELD EXPERIENCES

2019

| 2016

2019

2018

- **Collecting field data in Yulong mountain**  Lijiang, China
As team leader
- **Collecting plant specimens and molecular samples in Hengduan Mountains**  Southwest, China
- **Collecting transcriptome samples in Gaoligong mountain**  Diqing, China