

Fernando Pedraza Pérez

CONTACT	PhD Student Department of Evolutionary Biology and Environmental Studies Irchel Campus University of Zurich Winterthurerstrasse 190 8057 Zurich	Telephone: +41 635 6165 E-mail: fernando.pedraza@ieu.uzh.ch
RESEARCH INTERESTS	Community Dynamics; Computational Biology; Interaction Networks; Coevolution; Species Coexistence; Theoretical Ecology.	
EDUCATION	University of Zurich , Zurich, Switzerland Ph.D., Ecology, Started February 2019 <ul style="list-style-type: none">• Topic: <i>Coevolution in Mutualistic Networks</i>• Adviser: Professor Jordi Bascompte• Area of Study: Network Ecology Imperial College London , London, UK M.S., Computational Methods in Ecology and Evolution, September 2018 <ul style="list-style-type: none">• Graduated with <i>High Merit</i>• Thesis Topic: <i>Stability of bacterial communities</i>• Adviser: Professor Tim Barraclough• Area of Study: Community Ecology Universidad Nacional Autónoma de México , Ciudad de México, MX B.S., Biology, August 2016 <ul style="list-style-type: none">• Graduated with <i>Honors</i>• Thesis Topic: <i>Plant C-S-R life strategies</i>• Adviser: Professor Carlos Martorell• Area of Study: Plant Ecology Stanford University , Stanford, USA Summer Session, Visiting International Student, June 2015 to August 2015 <ul style="list-style-type: none">• Completed Courses:<ul style="list-style-type: none">• Calculus• Truth, Proof and Probability• Data Mining	
AWARDS	<i>William-Harvey Prize</i> for the highest overall mark in my masters program cohort.	
REFEREED JOURNAL PUBLICATIONS	[1] Martorell, C., Zepeda, V., Martínez-Blancas, A., García-Meza, D. and F. Pedraza. A diversity world record in a grassland at Oaxaca, México. <i>Botanical Sciences</i> . 95(1):1–7. 2017. doi:10.17129/botsci.689	
SUBMITTED JOURNAL PUBLICATIONS	[2] Pedraza, F., and C. Martorell. Allocating species in Grime’s strategy space: an alternative to trait-based approaches. <i>Botanical Sciences</i> . 2019. Submitted. [3] Pedraza, F., García-Meza, D., Tovar, H., and C. Martorell. Determining which mechanisms underlie plant-plant facilitation in páramos and their relative importance. <i>Biotropica</i> . 2019. Submitted.	
PAPERS IN PREPARATION	[4] Pedraza, F., and C. Martorell. Revisiting C-S-R theory: refutability and conceptual shortcomings.	

PROFESSIONAL
EXPERIENCE

Universidad Nacional Autónoma de México, CDMX, MX

Research Assistant

September 2015 to September 2017

- Supervisor: [Professor Carlos Martorell](#)
- Perform statistical and mathematical modelling of plant ecological data, with focus on the effect of abiotic stressors on plant performance.
- Write manuscripts on relevant findings.
- Assist students in fieldwork.

Research Assistant

August 2014 to December 2014

- Supervisor: [Professor Julio Morán Andrade](#)
- Perform molecular biology assays and cell culture techniques.

SKILLS

Computer Programming:

- Python, R, UNIX shell scripting

Version Control Management:

- DVCS (Git)

Productivity Applications:

- \TeX (\LaTeX , \BibTeX), productivity packages for Windows and OS X platforms

Operating Systems:

- Microsoft Windows family, Apple OS X, Linux/UNIX

Languages

- Fluent in English and Spanish