

Curriculum Vitae of Marco Barandun

ResearchGate: [Marco Barandun](#)

Personal website: <https://marco-barandun.github.io/ecology/>



1. Name, Surname, date of birth, nationality

Marco Barandun

22. July 1996

Schweiz

2. Languages

Italian	Native language
German	C2 spoken / C2 written
English	C2 spoken / C2 written, TOEFL iBT total points: 110/120 (14.10.2017)
French	B1 spoken / B1 written
Spanish	A2 spoken
Swiss German	Native language

3. University education

2019 - 2022	Master of Science in Biology (M Sc), Major “Ecology and Evolution” ETH Zürich, 98.5+4.5 ECTS; Average grade: 5.57/6
2019 - 2019	Exchange semester, Western Sydney University, Australia Average Grade: High Distinction, GPA: 6.75/7
2015 - 2018	Bachelor of Science in Biology (B Sc), Major “Animal and Plant Sciences” Universität Basel, 200+27 ECTS; Average grade: 5.50/6

4. Awards

2020	Selection for the National Model United Nations 2021 by the Swiss Study Foundation
2020	Selection for the Werner Siemens Excellence Fellowship of 19'200CHF by the Swiss Study Foundation
2018	Nomination by the Swiss Study Foundation for a support of 2500CHF for studies abroad
2018	Nomination by the University of Basel for an exchange semester in the Australian-European-Network

5. Obtained certificates and selected attended courses

2020	Certificate of field botany of the Swiss Botanical Society, level: 600 Dryas
2018	PADI Advanced Open Water Diver
2018	Alpine Plant Ecology Summer School
2018	Guarda Workshop in Evolutionary Biology
2015	Driving license (category B)

6. Selected teaching experiences

2020 - present	Organiser and guide (botany groups), International Wildlife Research Week Swiss Youth in Science
2021 - present	Organiser, IT Life Sciences , Swiss Study Foundation
2022 - present	Organiser, Werner Siemens Programm: Data Science and Artificial Intelligence Swiss Study Foundation
2022	Assistant during the excursion Soils and Vegetation of the Alps , ETH Zürich
2021	Assistant during the Biodiversity Excursions at ETH Zurich
2020	Assistant in the Zoology Practicals, ETH Zürich
2017 - 2018	Assistant during the Plant identification excercises , Universität Basel

7. Selected working experience

2022 - present	Intern, Crowther Lab , ETH Zürich <u>Manuscript preparation. Using R, Google Earth Engine and Python to model the distribution of >110'000 species on a High-Performance Computing Cluster.</u>
2022	Field assistant for a study on genetic diversity monitoring in Switzerland. Sample collection and herbarium specimens preparation. >6000 km driving.
2019	Field assistant, PaNDiv experiment , Universität Bern Identification and removal of juvenile plants extraneous to the experiment.
2018	Field assistant, Universität Basel Monitoring and care of experimental sites, Calanda GR.
2017 - 2018	Collaborator of the Botanical Garden, Universität Basel Organiser of special events for the public (e.g. blooming of particular species)

8. Professional service

2021 - present	Editor of the annual bulletin of the Society of Natural Sciences of the Canton Ticino (STSN)
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9. Publication list

Peer-reviewed papers

Barandun M., Paz A., van Tiel N., Maynard D., Crowther T. (2022). Explaining species richness: latitudinal gradient in niche breadth.
In preparation.

Master thesis

Barandun, M. (2022). Explaining species richness: latitudinal gradient in niche breadth.
Application of Species Distribution Models to explain relationships among latitude, species richness, niche breadth, and geographic extent in vascular plants at a global scale.
ETH Zurich, Retrieved from <http://hdl.handle.net/20.500.11850/570595>