

# Curriculum Vitae of Marco Barandun



## 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 exercises](#), Universität Basel

## 7. Selected working experience

- 2022 - present      Intern, [Crowther Lab](#), ETH Zürich  
Manuscript preparation. Using R, Google Earth Engine and Python to model the distribution of >110'000 species on a High-Performance Computing Cluster.
- 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)

## 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>