

Curriculum Vitae

Max Schuchardt (02.02.1992)

University of Bayreuth
Universitätsstr. 30
95447 Bayreuth, Germany
max.schuchardt@uni-bayreuth.de

ResearchGate: Max A Schuchardt



PROFESSIONAL EXPERIENCE

Since 09/2019 **PhD student**

Department of Disturbance Ecology and Vegetation Dynamics, Prof. Dr. Anke Jentsch: BMBF project SusAlps (Sustainable use of alpine and pre-alpine grassland soils in a changing climate), University of Bayreuth

10/2018 – 09/2019 **Research Associate**

Department of Biogeography, Prof. Dr. Carl Beierkuhnlein, teaching M.Sc. seminar: *Fundamentals in Biodiversity Research*, University of Bayreuth

12/2015 – 10/2017 **Student helper, Disturbance Ecology UBT,**

project SusAlps: Vegetation Monitoring in Austria, Switzerland and German Alps

project BIODESERT: Vegetation Monitoring in the Sechura Desert, Peru

05/2015 – 08/2015 **Field and Lab-Assistant Climate Impact Research Center Abisko, University of Umea, Sweden**

EDUCATION

2015 – 10/17 **Master of Science in Physical Geography at University of Bayreuth**

Master thesis: *El Niño driven vegetation dynamics in Northern Peru - The vegetation's reaction to fluctuating resources*, Final mark: 1,2

2011 – 2015 **Bachelor of Science in Geography at Albert-Ludwigs Universität Freiburg**

Major Subject: Geography (final mark: 2,0)

Minor Subject: International Forestry Management (final mark: 2,0)

Bachelor's thesis: *„Climate Vulnerability – social vulnerability in winter storms“*

2002 – 2011 **Abitur at Montessori Zentrum Angell Freiburg**

A-levels; final mark: 1,6

SUMMER SCHOOLS AND EXCURSIONS

07/2021 Alpine Plant Ecology, Furka Switzerland (Körner, Hiltbrunner, Stöcklin)

08/2016 Methods in Vegetation Ecology, „Alpenpraktikum“, Pitztal Austria (Carl Beierkuhnlein & Andreas Schweiger)

03/2016 La Palma Science School on Island Biogeography, Canary Island La Palma (Anke Jentsch & Severin Irl)

09/2013 Excursion: „Große Geländeübung Zentralalpen“, Aletsch Glacier / Switzerland, Val Grande Nationalpark Italy (Prof. Glawion, University of Freiburg)

PUBLICATION (SELECTION)

- Schuchardt, M. A. (2019). Permafrost. In T. Wohlgemuth, A. Jentsch-Beierkuhnlein, & R. Seidl (Eds.), *Störungsökologie* (1. Auflage, pp. 50–52). Haupt Verlag.
- Schuchardt, M. A., Berauer, B. J., Heßberg, A., Wilfahrt, P., & Jentsch, A. (2021). Drought effects on montane grasslands nullify benefits of advanced flowering phenology due to warming. *Ecosphere*, 12(7). <https://doi.org/10.1002/ecs2.3661>
- Berauer B, Wilfahrt P, Arfin-Khan M, Eibes P, von Hessberg A, Ingrisch J, Schloter M, Schuchardt M, Jentsch A (2019): *Low resistance of montane and alpine grasslands to abrupt changes in temperature and precipitation regimes*. AAAR
- Berauer BJ, Wilfahrt PA, Reu B, Schuchardt MA, Garcia-Franco N, Zistl-Schlingmann M, Dannenmann M; Kiese R, Kühnel A, Jentsch A (2020): *Predicting forage quality of species-rich pasture grasslands using vis-NIRS to reveal effects of management intensity and climate change*. *Agriculture, Ecosystems & Environment*, 296, 106929.
- Maestre FT [...], Schuchardt MA et al. (in prep for Nature), Grazing intensification differentially affect biodiversity and ecosystem services in global drylands
- Schucknecht A, Krämer A, Asam A, Mejia Aguilar A, Garcia-Franco N, Schuchardt MA, Jentsch A, Kiese R (2020) Vegetation traits of pre-Alpine grasslands in southern Germany. *Scientific Data* 7: 316. doi: 10.1038/s41597-020-00651-7
- Wilfahrt, P. A., Schweiger, A. H., Abrantes, N., Arfin-Khan, M. A. S., Bahn, M., Berauer, B. J., Bierbaumer, M., Djukic, I., van Dusseldorp, M., Eibes, P., Estiarte, M., von Hessberg, A., Holub, P., Ingrisch, J., Schmidt, I. K., Kestic, L., Klem, K., Kröel-Dulay, G., Larsen, K. S., ... Jentsch, A. (2021). Disentangling climate from soil nutrient effects on plant biomass production using a multispecies phytometer. *Ecosphere*, 12(8), e03719. <https://doi.org/10.1002/ecs2.3719>
- Van Sundert K, [...], Schuchardt MA et al. (2021), *Fertilized graminoids intensify negative drought effects on grassland productivity*, GCB
- Vetter V, Kreyling J, Wilfahrt P, Schuchardt M, Berauer B, Arfin-Khan M, Dengler J, Jentsch A (2020): *Invader presence disrupts the stabilizing effect of species richness in plant community recovery after drought*. GCB
- Von Heßberg A, [...], Schuchardt MA et al. (2021), Almen in Zeiten des Klimawandels - Schutz der Artenvielfalt durch (Wieder-) Beweidung? Die Fallstudie Brunnenkopfmalm im Ammergebirge, Naturschutz und Landschaftsplanung

SKILLS

Language skills **Englisch:** Fluent, **French:** Good, **Spanish:** Basic

NET-WORK ACTIVITIES

SoilTemp, TransPlantNet, CorrE, DroughtNet, NutNet, DragNet, SusAlps

TEACHING EXPERIENCES

Masters Seminar “**Fundamentals in Biodiversity Research**” (WT 18/19)

Masters Seminar “**Natural Risks and Hazards**” (WT19/20)

Masters Lecture “**Disturbance Ecology**”: Lecture on “Fire Ecology” ;
Lecture on “Disturbance loops, interactions and cascades” (WT 19/20)

Masters course “**Experimental Ecology**” (ST 2020)

Masters course “**Research Frontiers in Disturbance Ecology**” (ST 2020)

Masters Seminar “**Stability, Resilience, Inertia**” (WT 20/21)

Co-supervision of Masterthesis: Rùthers J. (2021) Effects of reciprocal translocation of montane and alpine plant-soil monoliths on above- and belowground plant performance

VOLUNTEERING AND PERSONAL INTERESTS

Voluntary work at the youth and culture center “Schoko Fabrik”, workshops on urban gardening, food provisioning and pizza baking (“from seed to pizza”)

Hobbies rock climbing, cooking, working on old cars