

LIST OF SCIENTIFIC PUBLICATIONS

JÜRIG STÖCKLIN

In international peer-reviewed journals:

- Sailer C, Tiberi S, Schmid B, Stöcklin J, Grossniklaus U (2021) Apomixis and genetic background affect distinct traits in *Hieracium pilosella* L. grown under competition. **BMC Biology** **19**: 177 (2021)
- Song B, Gao Y, Stöcklin J, Song M, Sun L, Sun H (2020) Ultraviolet screening increases with elevation in translucent bracts of *Rheum nobile* (Polygonaceae), an alpine ‚glasshouse‘ plant from the high Himalayas. **Botanical Journal of the Linnean Society** **193**, 276-286.
- Sailer C, Stöcklin J, Grossniklaus U (2020) Dynamics of apomictic and sexual reproduction during primary succession on a glacier forefield in the Swiss Alps. *Scientific Reports* **10**, Article no: 8269(2020)
- Song B, Stoll P, Peng D, Sun H, Stöcklin J (2020). Demography of the giant monocarpic herb *Rheum nobile* in the Himalayas and the effect of disturbances by grazing. **Annals of Botany** **125**:: 447-458; doi.org/10.1093/aob/mcz178
- Chen J-G, Yang Y, Song-Wei C, Stöcklin J, De-Li P, Hang S (2020) Recruitment of the high elevation cushion plant *Arenaria polytrichoides* is limited by competition, thus threatened by currently established vegetation. **Journal of Systematics and Evolution** **58**: 59-69
- Kesselring H, Hamann E, Armbruster GFJ, Stöcklin J, Scheepens JF (2019) Local adaptation is stronger between than within alpine populations of *Anthyllis vulneraria*. **Evolutionary Ecology**: doi.org/10.1007/s10682-019-09999-8
- Stöcklin J (2018) Endemismus – Von Pflanzen mit beschränktem Areal und ihren Geheimnissen (Endemism – Plants with limited range and their secrets). **Bauhinia** **27**: 1 – 22.
- Spinnler F, Stöcklin J (2018) DNA-content and chromosome number in populations of *Poa alpina* in the Alps reflect land use history. **Flora** **246**: 102-108.
- Hamann E, Kesselring H, Stöcklin J (2018) Plant responses to simulated warming and drought: a comparative study of functional plasticity between congeneric mid and high elevation species. **Journal of Plant Ecology** **11**: 364-374..
- Song B, Stöcklin J, Armbruster WS, Yongqian G, Peng D, Sun H (2018) Reversible colour change in leaves enhances pollinator attraction and reproductive success in *Saururus chinensis* (Saururaceae). **Annals of Botany** **121**: 641-650.
- Schmid SF, Stöcklin J, Hamann E, Kesselring H (2017) High-elevation plants have reduced plasticity in flowering time in response to warming compared to low-elevation congeners. **Basic and Applied Ecology** **21**: 1-12.

- Hamann E, Kesselring H, Stöcklin J (2017) Plant responses to simulated warming and drought: a comparative study of functional plasticity between congeneric mid and high elevation species. **Journal of Plant Ecology**; doi/10.1093/jpe/rtx023
- Scherrer D, Stoll P, Stöcklin J (2017) Colonization dynamics of a clonal pioneer plant on a glacier foreland inferred from spatially explicit and size structured matrix models. **Folia Geobotanica** **52**: 353-366. doi: 10.1007/s12224-017-9294-z
- Trunschke J, Stöcklin J (2017) Plasticity of flower longevity in alpine plants is increased in populations from high elevation compared to low elevation populations. **Alpine Botany** **127**: 41-51; doi:10.1007/s00035-016-0176-4
- Song B, Stöcklin J, Gao Y-Q, Peng D-L, Song M-S, Sun H (2016) Oviposition by mutualistic seed-consuming pollinators reduces fruit abortion in a recently discovered pollination mutualism. **Sci. Rep.** **6**, 29886; doi: 10.1038/srep29886
- Hamann E, Kesselring H, Armbruster GFH, Scheepens JF, Stöcklin J (2016) Evidence of local adaptation to fine- and coarse-grained environmental variability in *Poa alpina* in the Swiss Alps. **Journal of Ecology** **104**: 1627-1637.
- Stöcklin J, Armbruster GFH (2016) Environmental filtering, not local adaptation of established plants, determines the occurrence of seed- and bulbil-producing *Poa alpina* in a local flora. **Basic and Applied Ecology** **17**: 586-595.
- Gugger S, Kesselring H, Stöcklin J, Hamann E. (2015) Lower plasticity exhibited by high- versus mid-elevation species in their phenological responses to manipulated temperature and drought. **Annals of Botany** **116**: 953-962
- Song B, Stöcklin J, Peng DL, Gao YQ, Sun H. (2015) The bracts of the alpine 'glasshouse' plant *Rheum alexandrae* (Polygonaceae) enhance reproductive fitness of its pollinating seed-consuming mutualist. **Bot J Linn Soc** **179**: 349-359
- Kesselring H; Armbruster GFJ, Hamann E, Stöcklin J (2015) Past selection explains differentiation in flowering phenology of nearby populations of a common alpine plant. **Alpine Botany** **125**: 113-124
- Song B, Niu Y, Stöcklin J, Chen G, Peng DL, Gao YQ, Sun H. (2015) Pollinator attraction in *Cornus capitata* (Cornaceae): the relative role of visual and olfactory cues. **Journal of Plant Ecology** **8**: 173-181
- Scheepens JF, Frei ES, Stöcklin J (2015) Relationship between phenotypic differentiation and glacial history in a widespread Alpine grassland herb. **Alpine Botany** **125**: 11-20
- Preite V, Stöcklin J, Armbruster GFJ, Scheepens JF (2015) Adaptation of flowering phenology and fitness-related traits across environmental gradients in the widespread *Campanula rotundifolia*. **Evol Ecol**: DOI 10.1007/s10682-015-9754-y
- Armbruster GFJ, Stöcklin J (2015) New microsatellite markers for *Campanula scheuchzeri* (Campanulaceae), with cross-amplification in *C. rotundifolia*. **Applications in Plant Sciences** **3**(3):1400118, <http://dx.doi.org/10.3732/apps.1400118>

- Chen JG, Yang Y, Stöcklin J, Cavieres LA, Peng D, Li ZM, Sun H (2015) Soil nutrient availability determines the facilitative effects of cushion plants on species at high elevations in the south-eastern Himalayas. **Plant Ecology & Diversity** 8: 199-210
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- Hamann E, Kesselring H, Stöcklin J, Armbruster GFJ (2014) Novel microsatellite markers for the high-alpine *Geum reptans* L (Rosaceae). **Applications in Plant Sciences** 2(6): 1400021, <http://dx.doi.org/10.3732/apps.1400021>
- Sailer C, Schmid B, Stöcklin J, Grossniklaus U (2014) Sexual *Hieracium pilosella* are better inter-specific, while apomictic plants are better intra-specific competitors. **Perspectives in Plant Ecology, Evolution and Systematics** 16: 43-51
- Kesselring H, Hamann E, Stöcklin J, Armbruster GFJ (2013) New microsatellite markers for *Anthyllis vulneraria* (Fabaceae), analysed with Spreadex® gel electrophoresis. **Application in Plant Sciences** 1(12): 1300054. <http://dx.doi.org/10.3732/apps.1300054>
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- Scheepens JF, Stöcklin J (2013) Flowering phenology and reproductive fitness along a mountain slope: maladaptive responses to transplantation to a warmer climate in *Campanula thyrsoides*. **Oecologia** 171: 679-691
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- De Witte LC, Stöcklin J (2011) Horizontal growth in arctic-alpine clonal plants is not affected by climatic variability among regions. **Plant Ecology & Diversity** **4**: 329-340
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- Scheepens JF, Kuss P, Stöcklin J. 2011. Differentiation in morphology and flowering phenology between two *Campanula thyrsooides* L. subspecies. **Alpine Botany** **121**: 37-47
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Books and other publications:

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