

## Curriculum Vitae – Matthias Hartmann

\* November, 30th, 1987; Grevesmühlen, Germany

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### EDUCATION & EMPLOYMENT HISTORY

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|-------------------|---|
| since 06/2018     | Institute of Botany of the Czech Academy of Sciences,<br>Průhonice, Czech Republic<br>PhD studies   |
| since 10/2014     | Charles University Prague, Department of Botany, Faculty of<br>Science<br>PhD studies<br><br>PhD thesis: “Geographical parthenogenesis: evolutionary<br>and ecological significance of apomictic<br>reproduction in vascular plants”<br>(supervisor: Patrik Mráz)   |
| 04/2014 – 12/2016 | Charles University, Department of Botany, Faculty of<br>Science<br>Research Associate   |
| 10/2011 – 03/2014 | Martin-Luther-University Halle-Wittenberg<br>Studies Masters of Biology<br><br>Chosen focuses:<br>Immunology and human genetics<br>Conservation ecology (heathland management)<br>Population- and field-ecology<br><br>Master thesis: “The role of genetic admixture for a<br>successful invasion: a case study with <i>Centaurea stoebe</i> s.l.<br>L.”<br>Mark for thesis: 1.3 (excellent)<br>Final mark: 1.4 (excellent) |
| 10/2008 – 09/2011 | Martin-Luther-University Halle-Wittenberg<br>Studies Bachelor of Biology<br><br>Bachelor thesis: „Comparison of the genetic structure and<br>diversity of native and invasive <i>Ulmus pumila</i> populations”  |

Mark for thesis: 1.2 (excellent)

Final mark: 2.1 (good)

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### PROJECT / SCIENTIFIC EXPERIENCE

- 10/2013                      Martin-Luther-University Halle-Wittenberg  
   Employment as student assistant researcher  
  
   Supervising undergraduate course "habitat- and  
   population ecology"
- 06/2013 – 07/2013        Senckenberg Museum of Natural History Görlitz  
   Employment as student assistant researcher  
  
   Analyses of soil samples
- 10/2012                      Martin-Luther-University Halle-Wittenberg  
   Employment as student assistant researcher  
   Supervising undergraduate course "habitat- and  
   population ecology"
- 02/2012 – 03/2012        two months internship at the University of Wisconsin  
   Madison; Department of Horticulture; working group of  
   Prof. J.E. Zalapa  
  
   Extraction of *Ulmus minor* – DNA and scoring  
   microsatellites profile
- 05/2011                      Martin-Luther-University Halle-Wittenberg  
   Employment as student assistant researcher  
  
   DNA-Extraction ATMAB-Extraction

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### PUBLICATIONS (published and submitted)

- 2018                              Mráz, P.; Zdvořák, P.; **Hartmann, M.**; Štefánek, M.; Chrtek, J.  
   *Can obligate apomixis and more stable reproductive  
   assurance explain the distributional successes of asexual  
   triploids in Hieracium alpinum (Asteraceae)?*  
   Plant Biology (resubmitted)
- 2018                              **Hartmann, M.**; Jandová, K.; Chrtek, J.; Štefánek, M.; Mráz, P.

- Effects of latitudinal and elevational gradients exceed the effects of between-cytotype differences in eco-physiological leaf traits in diploid and triploid Hieracium alpinum*  
Alpine Botany (resubmitted)
- 2018 Chrtek, J.; **Hartmann, M.**; Mrázová, V.; Zdvořák, P.; Štefánek, M.; Mráz, P.  
*Seed traits, terminal velocity and germination in sexual diploid and apomictic triploid Hieracium alpinum (Asteraceae): Are apomicts better dispersers?*  
Flora 240:76 — 81
- 2017 **Hartmann, M.**; Štefánek, M.; Zdvořák P.; Heřman P.; Chrtek J.; Mráz P.  
*The Red Queen hypothesis and geographical parthenogenesis in the alpine hawkweed Hieracium alpinum (Asteraceae)*  
Biological Journal of the Linnean Society 122:681 — 696
- 2017 Rosche, C.; Hensen, I.; Mráz, P.; Durka, W.; **Hartmann, M.**; Lachmuth, S.  
Invasion success of polyploids: The role of self-incompatibility and inbreeding depression for the contrasting colonization ability of diploid and tetraploid *Centaurea stoebe* s.l.  
Journal of Ecology 105:425 — 435
- 2017 Hirsch, H.; Brunet, J.; von Wehrden, H.; **Hartmann, M.**; Kleindienst, C.; Schlautman, B.; Kosman, E.; Wesche, K.; Renison, D., Hensen, I.  
*Intra- and interspecific hybridization in invasive Siberian elm*  
Biological invasions 19:1889 — 1904
- 2016 Durka, W.; Hensen, I.; Mráz, P.; **Hartmann, M.**; Müller - Schärer, H.; Lachmuth, S.  
*The population genetics of the fundamental cytotype-shift in invasive *Centaurea stoebe* s.l.: genetic diversity, genetic differentiation and small-scale genetic structure differ between cytotypes but not between ranges*  
Biological Invasions 18:1895 — 1910
- 2016 Hirsch, H.; Hensen, I.; Wesche, K.; Renison, D.; Wypior, C. Kleindienst, C.; **Hartmann, M.**; von Wehrden, H.

*Non-native populations of an invasive tree outperform their  
native conspecifics*

AoB PLANTS 8: plw071

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since 11/2017

**EXTRACURRICULAR ACTIVITIES**

German teacher in language school "StudioKlar"