

CURRICULUM VITAE

Radim Hédl

Date and place of birth: 8 August 1976, Jeseník, Czechoslovakia

Resident: Brno, Czech Republic



EDUCATION

- 1991–1995: secondary school (Gymnasium) in Jeseník.
- 1995–1998 (Bc. in biology): Faculty of Sciences, Charles University, Prague.
- Bachelor Thesis: Vegetation of beechwoods in Rychlebské hory Mts.: current variability and development in the past 50 years.
- 1996–2003 (MgA. of fine arts): Academy of Fine Arts, Prague, Studio of Painting, Prof. J. Sopko.
- 1998–2001 (Mgr. in botany): Department of Botany, Faculty of Sciences, Charles University, Prague. Botany, specialization Geobotany.
- Master Thesis: Vegetation of beech forests of the Rychlebské hory Mts.
- 2001–2005 (PhD. in landscape ecology): Department of Geology and Pedology, Mendel University of Agriculture and Forestry, Brno. Forest ecology, specialization Geology-Pedology.
- Doctoral Thesis: Woodland vegetation and soils dynamics in Děvín Hill, Czech Republic.
- 2003–2006: Art History, Faculty of Philosophy, Masaryk University, Brno.
- Study/research stays abroad:
- 2000: Institute of Botany, Innsbruck University, Austria. Six months.
- 2001: Institute of Botany, Aarhus University, Denmark. Six months.
- 2011: Research Fellowship, KBFSC, University of Brunei Darussalam; nine months.
- 2012: Fulbright Research Fellowship, Marshall University, West Virginia, USA, with prof. F.S. Gilliam; six months.

EMPLOYMENT

- 2004–present: Researcher, Institute of Botany, The Czech Academy of Sciences. Main employment.
- 2006–present: Head of the Department of Vegetation Ecology, Institute of Botany, The Czech Academy of Sciences.
- 2015–present: Researcher, Palacký University in Olomouc, Faculty of Science. Part-time employment.

TEACHING ACTIVITIES

- Supervisor of 8 undergraduate students (bachelor and/or master) and 4 postgraduate students, universities in Prague and Brno, Czech Republic. Numerous consultations and reviews for other than supervised students.
- Vegetation ecology of the tropics. Mendel University, Brno; 2012-2013.
- Basics of Scientific Thinking. Mendel University, Brno; 2013-2015.
- Pedology for Botanists. Palacký University, Olomouc. 2014-ongoing.
- Forest Ecology. Palacký University, Olomouc. 2014-ongoing.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Czech Botanical Society
- British Ecological Society
- International Association for Vegetation Science
- European Society for Environmental History
- Czech Society for Ecology

COMMUNITY SERVICES

- Associate Editor of Folia Geobotanica (2006–present), a journal of the Institute of Botany of the Czech Academy of Sciences, indexed at WOS.
- Long-Term Ecological Research – member of the Czech National Committee; www.lter.cz
- National Forestry Program in the Czech Republic (2009–2011); www.uhul.cz/nlp/
 - member of the Coordination Board
 - member of the working group for the key action “Biodiversity”
- Organization of conferences:
 - Diversity, dynamics and management of forest vegetation; Czech Botanical Society, Prague, 2008.
 - Trends in Research and Teaching of Historical Ecology in Central Europe; Central European University, Budapest, 2007.
 - History of Flora and Vegetation in Late Glacial and Holocene in the light of current knowledge; Czech Botanical Society, Prague, November 2013.
 - Coppice forests: past, present and future; Brno, Czech Republic, 9-11 April 2015.
 - IAVS Symposium 2015; Brno, July 2015.

EXPERIENCE ABROAD

- Research:
 - 2003: Ecuador northern Andes.
 - 2005: southern Chile.
 - 2007, 2009, 2013, 2014, 2015 and 2016: Brunei Darussalam, Kuala Belalong.
 - 2007: Ukraine, Transcarpathian region.
 - 2011: Brunei Darussalam, Research Fellow.
 - 2011: Malaysia, S.A.F.E. project, Sabah.
 - 2012: United States, Fulbright Research Fellow.
- Main travel experience outside Europe:
 - 1992: Morocco
 - 2000: SW China (Yunnan, Sichuan), Thailand, Laos.
 - 2002: Tibet and Nepal.
 - 2003: Ecuador
 - 2004: Malaysia including Borneo, Thailand.
 - 2005: Chile (S Patagonia)
 - 2007: Malaysia (Borneo), Brunei Darussalam, Indonesia (Java).
 - 2008: SW China (Guangxi, Yunnan).
 - 2009: Malaysia (Sarawak), Brunei Darussalam
 - 2010: Indonesia (Sulawesi)
 - 2010: Turkey
 - 2011, 2013, 2014, 2015, 2016: Brunei, Malaysia
 - 2012: United States
 - 2014: Western Australia

PUBLICATIONS

Publication list included (31 March 2016): over 40 peer-reviewed papers, over 30 popularization papers, chapters in 4 books.

- Web of Science: 32 papers cited 342 times, h-index 10.

- Scopus: 33 papers cited 405 times, h-index 11.

- Select research papers

Bernhardt-Römermann M., Baeten L., Craven D., De Frenne P., Hédli R., et al. (2015): Drivers of temporal changes in temperate forest plant diversity vary across spatial scales. *Global Change Biology* 21: 3726–3737.

Vild O, Kalwij J.M. & Hédli R. (2015): Seasonal effects of experimental litter removal in a central European forest ecosystem. *Applied Vegetation Science* 18: 569–578.

Müllerová J., Hédli R. & Szabó P. (2015): Coppice abandonment and its implications for species diversity in forest vegetation. *Forest Ecology and Management* 343: 88–100.

Müllerová J., Szabó P. & Hédli R. (2014): The rise and fall of traditional forest management in southern Moravia: A history of the past 700 years. *Forest Ecology and Management* 331: 104–115.

Hofmeister J., Hošek J. & Hédli R. (2014): Edge-effect as an important factor influencing herb layer vegetation of forest fragments in the Český kras/Bohemian Karst. *Bohemia Centralis* 32: 407–423.

Müllerová J., Szabó P. & Hédli R. (2014): The rise and fall of traditional forest management in southern Moravia: A history of the past 700 years. *Forest Ecology and Management* 331: 104–115.

Gilliam F. S., Hédli R., Chudomelová M., McCulley R. L. & Nelson J. A. (2014): Variation in vegetation and microbial linkages with slope aspect in a montane temperate hardwood forest. *Ecosphere* 5: art66.

De Frenne P., et al. (2014): Plant movements and climate warming: intraspecific variation in growth responses to nonlocal soils. *New Phytologist* 202: 431–441.

Baeten L., et al. (2014): A model-based approach to studying changes in compositional heterogeneity. *Methods in Ecology and Evolution* 5: 156–164.

De Frenne P., et al. (2013): Microclimate moderates plant responses to macroclimate warming. *Proceedings of the National Academy of Sciences* 110: 18561-18565.

Hofmeister J., Hošek J., Brabec M., Hédli R. & Modrý M. (2013): Strong influence of long-distance edge effect on herb-layer vegetation in forest fragments in an agricultural landscape. *Perspectives in Plant Ecology, Evolution and Systematics* 15: 293–303.

Vild O., Roleček J., Hédli R., Kopecký M. & Utinek D. (2013): Experimental restoration of coppice-with-standards: Response of understorey vegetation from the conservation perspective. *Forest Ecology and Management* 310: 234–241.

Dančák M., Hroneš M., Sochor M., Koblrová L., Hédli R., Hrázský Z., Vildomcová A., Sukri R.S. & Metali F. (2013): A new species of *Thismia* (Thismiaceae) from Brunei Darussalam, Borneo *Phytotaxa* 125: 33–39.

Filipová L., Hédli R. & Dančák M. (2013): Magellanic wetlands: more than moor. *Folia Geobotanica* 48: 163–188.

Szabó P. & Hédli R. (2013): Socio-economic demands, ecological conditions and the power of tradition: past decision making in woodland management in Central Europe. *Landscape Research* 38: 243–261.

Kopecký M., Hédli R. & Szabó P. (2013): Non-random extinctions dominate plant community changes in abandoned coppices. *Journal of Applied Ecology* 50: 79–87.

Altman J., Hédli R., Szabó P., Mazůrek P., Riedl V., Müllerová J., Kopecký M. & Doležal J. (2013): Tree-rings mirror management legacy: dramatic response of standard oaks to past coppicing in Central Europe. *PLOS ONE* 8: e55770.

Volařík D. & Hédli R. (2013): Expansion to abandoned agricultural land forms an integral part of silver fir dynamics. *Forest Ecology and Management* 292: 39–48.

Jamrichová E., Szabó P., Hédli R., Kuneš P., Bobek P., Pelánková B. (2013): Continuity and change in the vegetation of a Central European oakwood. *The Holocene* 23: 46–56.

Hédli R., Houška J., Banaš M. & Zeidler M. (2012): Effects of skiing and slope gradient on topsoil properties in an alpine environment. *Polish Journal of Ecology* 60: 381–389.

Verheyen K., et al. (2012): Driving factors behind the eutrophication signal in understorey plant communities of deciduous temperate forests. *Journal of Ecology* 100: 352–365.

- Szabó P. & Hédli R. (2011): Advancing the integration of history and ecology for conservation. *Conservation Biology* 25: 680–687.
- Hédli R., Petřík P. & Boublík K. (2011): Long-term patterns in soil acidification due to pollution in forests of the Eastern Sudetes Mountains. *Environmental Pollution* 159: 2586–2593.
- Hédli R., Kopecký M. & Komárek J. (2010): Half a century of succession in a temperate oakwood: from species-rich community to mesic forest. *Diversity and Distributions* 16: 267–276.
- Hédli R., Svátek M., Dančák M., Rodzay A. W., M. Salleh A. B. & Kamariah A. S. (2009): A new technique for inventory of permanent plots in tropical forests: a case study from lowland dipterocarp forest in Kuala Belalong, Brunei Darussalam. *Blumea* 54: 124–130.
- Hédli R. (2004): Vegetation of beech forests in the Rychlebské Mountains, Czech Republic, re-inspected after 60 years with assessment of environmental changes. *Plant Ecology* 170: 243–265.

RESEARCH PROJECTS

- 2000: Chemistry of beech forests of the Rychlebské hory Mts. under the influence of industrial pollution; co-investigator. Funding by the Ministry of Education of the Czech Republic.
- 2001-2003: Monitoring of changes of plant communities regarding the management interventions in the Děvín Reserve, Pálava; co-worker. Funding by the Ministry of Environment of the Czech Republic.
- 2003: Dynamics of soil properties of two mountainous areas since the 1940s; principal investigator. Funding by the Ministry of Education of the Czech Republic.
- 2004-2007: Vegetation of the Czech Republic: formalized typology, monograph and expert system; co-worker. Funding by the Grant Agency of the Czech Republic.
- 2006-2008: Influence of different precipitation amounts on plants and soil processes of some grassland communities; co-worker. Funding by the Grant Agency of the Czech Republic.
- 2006-2010: Interactions of fern growths and soil on deforested areas influenced with acid depositions; co-worker. Funding by the Grant Agency of the Academy of Sciences of the CR.
- 2007-2011: Limitations of the biodiversity conservation in a fragmented landscape; co-worker. Funding by the Ministry of Environment of the Czech Republic.
- 2007-2011: Changes of alpine ecosystems in KRNAP, Králický Sněžník and CHKO Jeseníky in the context of global change; co-worker. Funding by the Ministry of Environment of the Czech Republic.
- 2008-2012: Lowland woodland in the perspective of the historical development, principal investigator. Funding by the Grant Agency of the Academy of Sciences of the CR.
- 2008-2012: Recent and historical changes of the Sudetian mountain peatbogs; co-investigator. Funding by the Grant Agency of the Czech Republic.
- 2009–2011: Vegetation of the Czech Republic: completion of the national survey of plant communities; co-investigator. Funding by the Grant Agency of the Czech Republic.
- 2012-2016: Long-term woodland dynamics in Central Europe: from estimations to a realistic model. Funding by the ERC.
- 2012-2014: Coppice forests as the production and biological alternative for the future. Funding by the ESF.
- 2012-2015: Implementation of science and research in education. Funding by the ESF.
- 2012-2015: Pollen-based land-cover reconstruction - model testing and its implications for Holocene environmental change studies. Funding by the GA CR.

Updated 31 March 2016