**Curriculum vitae**

**Mgr. Lydie Dudová, Ph.D.**

**born 1982, Czech Republic**

**postdoc, Department of Paleoecology, Institute of Botany, Czech Academy of Sciences**

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**Research interests**

Vegetation history of Central Europe (Hercynian Mountains, Moravia, Silesia, Western Carpathians), particularly interested in prehistorian and “traditional” land-use and its impact on vegetation, migration of trees and cryptic glacial refugia.

**Methods of investigation**

Analyses of pollen, NPP, micro-charcoal, depth-age modelling, numerical analyses of pollen data.

**Education**

2007–2016: PhD (doctor's degree) - Department of Botany and Zoology, Faculty of Sciences, Masaryk University, dissertation thesis: Vegetation history of the Jeseníky Mts on local and regional scale, supervisor Michal Hájek

2005–2007: Mgr. (master's degree) - Department of Botany and Zoology, Faculty of Sciences, Masaryk University Brno, master thesis: The palaeoecological study of the Rejvíz bog, supervisor Michal Hájek, consultant Eliška Rybníčková

2002–2005: Bc. (bachelor's degree) - Department of Botany and Zoology, Faculty of Sciences, Masaryk University Brno, bachelor thesis: Mire and related vegetation of Nízký Jeseník uplands, supervisor Michal Hájek

**Employment**

2007 – 2020: Laboratory of Paleoecology and Department of Vegetation Ecology, Institute of Botany, Czech Academy of Sciences

2008 – 2018: Department of Botany and Zoology, Faculty of Sciences, Masaryk University Brno

2013-2015 a 2017-2019: maternity leave

**Grant projects**

2021-2023 TAČR SS03010065

Příčiny úpadku a systém obnovy prioritních typů stanovišť subalpínských trávníků (R. Hédl)

2016-2018 GA-10100S

Původ diverzity středoevropské krajiny: rekonstrukce historických změn biodiverzity na základě pylových dat a prostorových modelů vegetace (J. Roleček)

2015-2017 GAMU

Vztahy mezi člověkem, klimatem a vegetací v předindustriální krajině na různých prostorových měřítcích (M. Hájek)

2012-2016 ERC

Longwood - Long-term woodland dynamics in Central Europe: from estimations to a realistic model (P. Szabó)

2012-2015 GA ČR P 504/12/0649

Pollen-based land-cover reconstruction – model testing and its implications for Holocene environmental change studies (P. Kuneš)

2011-2015 GA ČR P 504/11/0429

Environmental gradients, vegetation dynamics and landscape changes in the West Carpathians from the Late Glacial up to present times (P. Hájková)

2008-2012 GA ČR 206/08/0389

Past and present changes in Sudeten mountain bogs (M. Hájek)

**Experiences abroad**

July 2012 Workshop on Non-Pollen Palynomorphs, University of Amsterdam, the Netherlands

March 2010 Pollen determination, Jacqueline van Leeuwen, Institute of Plant Sciences, University of Bern

March 2009 PhD Course - Terrestrial ecosystems: Quantitative landscape reconstruction using fossil pollen – a modelling approach, Lund University, Sweden

**Publications**

Roleček Jan, Svitavská Svobodová Helena, Jamrichová Eva, **Dudová Lydie**, Hájková Petra, Kletetschka Günther, Kuneš Petr and Abraham Vojtěch (2020) Conservation targets from the perspective of a palaeoecological reconstruction: the case study of Dářko peat bog in the Czech Republic. *Preslia* 92: 87–114.

Julie Dabkowski, Jitka Frodlová, Michal Hájek, Petra Hájková, Libor Petr, Denis Fiorillo, **Lydie Dudová** and Michal Horsák (2019) A complete Holocene climate and environment record for the Western Carpathians (Slovakia) derived from a tufa deposit. *The Holocene* 29/3: 493-504.

**Dudová Lydie**, Hájek Michal, Petr Libor and Jankovská Vlasta (2018) Holocene vegetation history of the Jeseníky Mts: Deepening elevational contrast in pollen assemblages since late prehistory. *Journal of Vegetation Science* 29: 371– 381.

Petra Hájková, Eva Jamrichová, Libor Petr, **Lydie Dudová**, Jan Roleček, Andrea Gálová, Petr Dresler, Jan Novák, and Michal Hájek (2018) Persistence of a vegetation mosaic in a peripheral region: could turbulent medieval history disrupt Holocene continuity of extremely species-rich grasslands? *Vegetation History and Archaeobotany* 27: 591–610.

Jamrichová Eva, Petr Libor, Jiménez‐Alfaro Borja, Jankovská Vlasta, **Dudová Lydie**, Pokorný Petr, Kołaczek Piotr, Zernitskaya Valentina, Čierniková Malvína, Břízová Eva, Syrovátka vít, Hájková Petra and Hájek Michal (2017) Pollen‐inferred millennial changes in landscape patterns at a major biogeographical interface within Europe. *Journal of Biogeography* 44: 2386– 2397.

Abraham Vojtěch, Novák Jan, Houfková Petra, Petr Libor, and **Dudová Lydie** (2017) A Landscape Reconstruction Algorithm and pedoanthracological data reveal Late Holocene woodland history in the lowlands of the NE Czech Republic. *Review of Palaeobotany and Palynology* 244: 54-64.

Hájek Michal, **Dudová Lydie**, Hájková Petra, Roleček Jan, Moutelíková Jitka, Jamrichová Eva and Horsák Michal (2016) Contrasting Holocene environmental histories may explain patterns of species richness and rarity in a Central European landscape. *Quaternary Science Reviews* 133/1: 48-61.

**Dudová Lydie**, Hájková Petra, Opravilová Věra and Hájek Michal (2014) Holocene history and environmental reconstruction of a Hercynian mire and surrounding mountain landscape based on multiple proxies. *Quaternary Research* 82/1: 107-120.

**Dudová Lydie**, Hájková Petra, Buchtová Hana and Opravilová Věra (2013) Formation, succession and landscape history of Central-European summit raised bogs: a multiproxy study from the Hrubý Jeseník Mountains. *The Holocene* 23/2: 230-242.

**Dudová Lydie**, Michal Hájek and Petra Hájková (2010) The origin and vegetation development of the Rejvíz pine bog and the history of the surrounding landscape during the Holocene. *Preslia* 82/2: 223-246.

Kuneš, Petr, Abrahám Vojtěch, Kovářík Oleg, Kopecký Martin, Břízová Eva, **Dudová Lydie**, Jankovská Vlasta, Knipping Maria, Kozáková Radka, Nováková Kateřina, Petr Libor, Pokorný Petr, Roszková Alena, Rybníčková Eliška, Svobodová-Svitavská Helena and Wacnik Agnieszka (2009) Czech Quaternary Palynological Database - Palycz: review and basic statistics of the data. *Preslia* 81/3: 209-238.

**Prezentations at conferences and meetings**

**Dudová L**, Hájek M, Kolář J: Asynchronous expansion of Fagus, Abies and Carpinus in the Hercynian highland – what is the decisive factor? European Pollen Database Meeting (2016) Aix-en-Provence, France.

**Dudová L**, Jamrichová E, Hájek M: Tilia-dominated Early Holocene woodlands in the Western Carpathians (Slovakia). 58th Annual Symposium of the International Association for Vegetation Science (2015), Brno, Czech Republic.

Jamrichová E, Kuneš P, Svitavská-Svobodová H, **Dudová L**: Spread of temperate trees during the Allerød period to the northern part of the Pannonian plain (Southern Moravia, Czech Republic) (poster). 58th Annual Symposium of the International Association for Vegetation Science (2015), Brno, Czech Republic.

Jamrichová E, Hájek M, Petr L, Jankovská V, **Dudová L**, Zernitskaya V, Kolaczek P, Břízová E, Pokorný P, Čierniková M, Jiménez- Alfaro B, Hájková P: Changes in landscape variability of Central-Eastern Europe during the last 15.000 years. 58th Annual Symposium of the International Association for Vegetation Science (2015), Brno, Czech Republic.

**Dudová L**: Medieval meadow established in an alder alluvial forest: a case study from the Eastern Sudetes. Kiel University workshop: Socio-environmental dynamics over the last 12,000 years (2013) Kiel, Germany.

**Dudová L**, Pelánková B: Central European vegetation of the Early and Middle Holocene as seen from the Southern Ural (poster). XVIII. INQUA Congress (2011) Bern, Switzerland.

**Dudová L**: Comparision of fossil pollen data of several high mountain bogs based on statistical methods (poster). 8th European Palaeobotany – Palynology Conference (2010) Budapest, Hungary.

**Dudová L**: Vegetation and landscape development of the Jeseníky Mts, Czech Republic. 4th Meeting of Czech and Hungarian Ph.D. students in Plant Ecology and Botany (2009) Fulophaza, Hungary.

**Navrátilová L**: Development of the mountain vegetation of the Hruby Jesenik Mts during Holocene: palaeoecological study of the Rejviz bog (poster). 8th International Organisation of Palaeobotany Conference (2008) Bonn, Germany.

**Navrátilová L**: Pollen analysis of the Rejvíz bog (poster). 7th European Palaeobotany-Palynology Conference (2006) Prague, Czech Republic.