**Mgr. Markéta Gabriela Soukupová (Švarcová)**

born 14. 2. 1987 in Prague, Czech Republic

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Research interests

Holocene history of Central European vegetation, period of Holocene climatic optimum and early Holocene, impact of various disturbance factors on tree species and their palaeo-population dynamics.

Specialization in pollen analysis, determination of pollen and non-pollen palynomorphs.

Education

2012-present: PhD. student, Charles University in Prague, Faculty of Science, Department of Botany, topic: *Dynamics of tree populations and local vegetation in Holocene scale during the formation of climax communities and the influence of disturbances (natural, anthropogenic).*

Supervisor: doc. RNDr. Petr Kuneš PhD.

2009-2012: MSc. in Botany (specialization Geobotany), Charles University in Prague, Faculty of Science, Department of Botany, thesis: *Postglacial vegetation history of local phenomena in western Bohemia.*

2006-2009: BSc. in Geology (specialization Practical Geobiology), Charles University in Prague, Faculty of Science, thesis*: Origin and development of peat-bogs in western Bohemia.*

Employment

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| since February 2013: Czech Academy of Sciences, Institute of Botany, Department of Palaeoecology (workplace Průhonice)  2014, 2016-2019 maternity leave |

Stays ans courses

Århus University, Denmark, Erasmus in winter semester 2009/2010

Quantitative Palynology Course, 29 April – 3 May 2015, Velemín, Czech Republic

Grant projects

2014–2016 ERC Longwood - Long-term woodland dynamics in Central Europe: from estimations to a realistic model (P. Szabó)

2014–2016 GAČR Fire in postglacial Central Europe: neglected historical and present effect in forest dynamics (J. Wild)

Conferences

9th European Palaeobotany and Palaeoecology Conference EPPC, Padova 2014

**Švarcová MG**, Svobodová-Svitavská H, Kolář J, Kuneš P, Szabó P: *Key factors shaping the Holocene vegetation development of the Moravian-Bohemian Highlands (Czech Republic)* (poster)

9th international PMP meeting, Prague 2013

*Postglacial vegetation history of serpentine pine forest phenomenon in NW Bohemia* (poster)

9th Conference on environmental archaeology KEA, České Budějovice 2013

*Postglacial history of local phenomena in Slavkovský les forest or is relict serpentine pine forest true relict?* (talk, in Czech)

Conference of Czech Botanical Society, Prague 2012 (X. sjezd České botanické společnosti)

*Postglacial vegetation history of serpentine pine forest phenomenon in NW Bohemia* (poster)

Publications

Bobek P., Svitavská H., Pokorný P., Šamonil P., Kuneš P., Kozáková R., Abraham V., Klinerová T., Švarcová M. G., Jamrichová E., Krauseová E. & Wild J. (2019): Divergent fire history trajectories in Central European temperate forests revealed a pronounced influence of broadleaved trees on fire dynamics. *Quaternary Science Reviews* 222, 1-13

Bobek P., Svitavská Svobodová H., Werchan B., Švarcová M. G. & Kuneš P. (2018): Human-induced changes in fire regime and subsequent alteration of the sandstone landscape of Northern Bohemia (Czech Republic). *Holocene* 28, 427-443

Szabó P., Kuneš P., Svobodová-Svitavská H., Švarcová M. G., Křížová L., Suchánková S., Müllerová J. & Hédl R. 2017: Using historical ecology to reassess the conservation status of coniferous forests in Central Europe. Conservation Biology 31, 150-160

Abraham V., Kuneš P., Petr L., Svitavská-Svobodová H., Kozáková R., Jamrichová E., Švarcová M. G. & Pokorný P. (2016): A pollen-based quantitative reconstruction of the Holocene vegetation updates a perspective on the natural vegetation in the Czech Republic and Slovakia. *Preslia* 88, 409-434