

Ivana Vašíčková (*1984)

Education

2019 – Ph.D. in Forest Ecology at Faculty of Forestry and Wood Technology, Mendel University in Brno (Czech Republic); PhD Thesis – The growth response of Central European temperate forest trees to disturbance events

2011 – Ing. (MSc.) in Landscape Engineering at Faculty of Forestry and Wood Technology, Mendel University in Brno (Czech Republic)

Jobs and positions

2012–2016, 2019–present – The Silva Tarouca Research Institute for Landscape and Ornamental Gardening, Department of Forest Ecology, Brno – junior researcher

Research interest

disturbance ecology, dendrochronology, old-growth forests, windthrow dynamics

Scientometrics

Number of papers published (WoS): 16

H-index: 7

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Five selected projects

Center for Landscape and Biodiversity, Technology Agency of the Czech Republic, TAČR PPŽ2 SS02030018, 2021–2026 (member of the team)

Tree-ring database as a tool for description and prediction of responses of the main forest tree species to climate change, Technology Agency of the Czech Republic, TAČR PPŽ1 SS0310134, 2021–2024 (member of the team)

Dendrochronological and dendrogeomorphological analysis of montane spruce old-growth forest in the Jelenka, Administration of the Giant Mountains National Park, project no. SMLDEU-38-43/2020, 2020-2022 (principal investigator)

Dendrochronological analysis of selected forest stands across the Šumava National Park, Administration of the Šumava National Park, project no. F 164A/S02, 2020–2021 (principal investigator)

The mystery of biogenic soil creep: the biogeomorphic role of trees in temperate and tropical forests and its ecological consequences, Czech Science Foundation, GAČR P504/19-09427S, 2019–2022 (member of the team)

Five selected publications

ANDERSON-TEIXEIRA K.J., HERRMANN V., ROLLINSON C.R., GONZALEZ B., GONZALEZ-AKRE E.B., PEDERSON N., ALEXANDER M.R., ALLEN C.D., ALFARO-SÁNCHEZ R., AWADA T., BALTZER J.L., BAKER P.J., BIRCH J.D., BUNYAVEJCHEWIN S., CHERUBINI P., DAVIES S.J., DOW C., HELCOSKI R., KAŠPAR J., LUTZ J.A., MARGOLIS E.Q., MAXWELL J.T., MCMAHON S.M., PIPONIOT C., RUSSO S.E., ŠAMONIL P., SNIDERHAN A.E., TEPLEY A.J., **VAŠÍČKOVÁ I.**, VLAM M., ZUIDEMA P.A., 2022. Joint effects of climate, tree size, and year on annual tree growth derived from tree-ring records of ten globally distributed forests. *Global Change Biology* 28: 245-266.

VAŠÍČKOVÁ I., ŠAMONIL P., KAŠPAR J., ROMÁN-SÁNCHEZ A., CHUMAN T., ADAM D., 2021. Dead or alive: drivers of wind mortality initiate multiple disturbance regime in a temperate primeval mountain forest. *Forests* 12: 1599.

VAŠÍČKOVÁ I., ŠAMONIL P., KRÁL K., FUENTES UBILLA A.E., DANĚK P., ADAM D., 2019: Driving factors of the growth response of *Fagus sylvatica* L. to disturbances: A comprehensive study from Central-European old-growth forests. *Forest Ecology and Management* 444: 96-106.

ŠAMONIL P., **VAŠÍČKOVÁ I.**, DANĚK P., JANIK D., ADAM D., 2014. Disturbances can control fine-scale pedodiversity in old-growth forest: Is the soil evolution theory disturbed as well?. *Biogeosciences* 11: 5889-5905.

ŠAMONIL P., SCHAETZL R.J., VALTERA M., GOLIÁŠ V., BALDRIAN P., **VAŠÍČKOVÁ I.**, ADAM D., JANIK D., HORT L., 2013. Crossdating of disturbances by tree uprooting: Can treethrow microtopography persist for 6,000 years? *Forest Ecology and Management* 307: 123-135.

In Brno, 30th November, 2022