

CURRICULUM VITAE

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Position PhD. student
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Education

- Masaryk University Brno, Czech Republic, Faculty of Science, Department of Plant Physiology and Anatomy (1998 – 2004)
- Ph.D. studies: Mendel University of Agriculture and Forestry Brno, Faculty of Forestry and Wood Technology, Institute of Forest Ecology (2005 - present)

Academic and professional appointments:

September 2001- February 2002 University of Antwerp, Belgium, Faculty of Natural Sciences, Group of Plant and Vegetation ecology
January 2005 - present Institute of Systems Biology and Ecology AS CR

Important research visits and fellowships:

2007 2 months: France (Bordeaux), campaign CEFLES2. Uwe Rascher, PhD (Institute of Chemistry and Dynamics of the Geosphere, Forschungszentrum Jülich, Germany)

Selected publications:

- Gloser, V., **Košvancová, M.**, Gloser, J.: Changes in growth parameters and content of N-storage compounds in roots and rhizomes of *Calamagrostis epigejos* after repeated defoliation. *Biologia* **59** (13): 179-184, 2004.
- Košvancová, M.**, Urban, O.: Sequences of short lightflecks are more efficient in the induction of spruce trees. Photosynthesis and Stress: Biophysical and Biochemical Methods in Photosynthesis, Research Central-European Conference, Brno, 2005 (ISBN: 80-210-3762-8).
- Košvancová, M.**, Kalina, J., Urban O.: Daily courses of carbon assimilation characteristics in beech leaves exposed to ambient and elevated CO₂ concentration. MendelNet, Contemporary state and development trends of forests in cultural landscape, International postgraduate students' conference, Brno, 2006 (ISBN: 80-7375-000-7).
- Gloser, V., **Košvancová, M.**, Gloser, J.: Regrowth dynamics of *Calamagrostis epigejos* after defoliation as affected by nitrogen availability. *Biologia Plantarum* **51** (3): 501-506, 2007.
- Urban, O., **Košvancová, M.**, Marek, M. V., Lichtenthaler, H. K.: Induction of photosynthesis and importance of limitations during induction in sun and shade acclimated leaves of five tree species from temperate zone. *Tree Physiology* **27** (8): 1207-1215, 2007.

- Soukupová J., Csefalvay L., Urban O., **Košvancová M.**, Marek M., Rascher U., Nedbal L.: Annual variation of the steady-state chlorophyll fluorescence emission of evergreen plants in temperate zone. *Functional Plant Biology* **35**: 63–76, 2008.
- Urban O., Šprtová M., **Košvancová M.**, Tomášková I., Lichtenthaler H.K., Marek M.V.: Comparison of photosynthetic induction and transient limitations during the induction phase in young and mature leaves from three poplar clones. *Tree Physiology* **28**: 1189–1197, 2008.