

CURRICULUM VITAE

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Position Senior scientist
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Education

- Mendel University of Agricultural and Forestry in Brno, Faculty of Forestry and Wood Technology, Forestry (1979 - 1983)
- Ph.D. studies: Mendel University of Agricultural and Forestry in Brno, Faculty of Forestry and Wood Technology, Branch of Forest Ecology (1991), Ph.D. Thesis: "Cambial Activity of Norway Spruce (*Picea abies* (L.) Karst.)"

Academic and professional appointments:

1983 – 1990: Assistant, Institute of Systematic and Ecological Biology CSAS, Brno
1990 - 1993: Research Scientist, Institute of Systematic and Ecological Biology CSAS, Brno
1993 - 1998: Research Scientist, Inst. of Landscape Ecology AS CR, České Budějovice
1998 - present: Senior Scientist, Vicedirector of the Institute of Systems Biology and Ecology AS CR (former Institute of Landscape Ecology), České Budějovice, CR
2004 – present – member of National Committee of IGBP - Global Change
2005 : Assoc. Professor "Forest Ecology", Mendel University of Agricultural and Forestry in Brno

Important research visits and fellowships:

1992 - Department of Forest Ecology, Agric. Univ, Uppsala, Sweden, Prof. S. Linder, ecophysiology, visiting scientist
1997 - Department of Ecology and Resources Management, University of Edinburgh, Scotland, Prof. P.G. Jarvis, eddy covariance flux measurements

Educational activities:

2003 – present: Faculty of the Environment, Jan Evangelista Purkyně University, Ústí nad Labem, Czech Republic. Climate change impacts on forests

Selected publications:

Barták M., Janouš D. (1989): Crown structure of dominant Turkey oak (*Quercus cerris* L.) in an oak-hornbeam forest stand. *Ecology(CSSR)*, 8(2): 123-130 (in English, summaries in Czech and Russian)

- Eliáš P., Kratochvílová I., Janouš D., Marek M., Masarovičová E. (1989): Stand microclimate and physi-ological activity of tree leaves in an oak-hornbeam forest. I. Stand microclimate. *Trees*, 4: 227-233 (in English)
- Kratochvílová I., Janouš D., Marek M., Barták M., Říha L. (1989): Production activity of mountain cultivated Norway spruce stands under the impact of air pollution. I. General description of problems. *Ecology(CSSR)*, 8(4): 407-419 (in English, summaries in Czech and Russian)
- Marek M., Masarovičová E., Kratochvílová I., Eliáš P., Janouš D. (1989): Stand microclimate and physiological activity of tree leaves in an oak-hornbeam forest. II. Leaf photosynthetic activity. *Trees*, 4: 234-240 (in English)
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- Dvořák, V., Opluštilová, M., Janouš, D. (1996): Relation between leaf biomass and annual ring sapwood of Norway spruce according to needle age-class. *Canadien Journal of Forest Research*, 26, 1822-1827
- Urban, O., Marek, M.V., Janouš, D. (2000): Long-term effect of elevated atmospheric CO₂ concentration is responsible for down-regulation of Norway spruce photosynthesis. *Ekológia (Bratislava)*, 19: 24-34
- Šprtová, M., Marek, M.V., Janouš, D. (2000): Enhanced UV-B radiation: a possible harmful environmental factor of Norway spruce (*Picea abies* L. Karst.) photosynthesis. *Ekológia (Bratislava)*, 19: 35-47
- Janouš, D., D., Broussaud, J., Pokorný, R. and Marek, M.V. (2000): Long-term effect of elevated CO₂ on the woody tissue respiration of Norway spruce. *Biologia Plantarum*, 43 41-46
- Pokorný, R., Šalanská, P., Janouš, D.: Growth and Transpiration of Norway Spruce Trees in Atmosphere with Elevated CO₂ concentration. *Ekológia (Bratislava)* 20 (1) (2001): 14-28
- Hurtalová, T., Janouš, J., Marková, I.: Aerodynamic properties of young spruce stand. *Ekológia (Bratislava)*, Vol. 20, No. 3, 2001, 310-318.
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- Marková, I., Rožnovský, J., Janouš, D.: Evaluation and reconstruction of global radiation at Bílý Kříž (The Czech republic). *Ekológia (Bratislava)* 22: 85-97, 2003.
- Marková, I., Janouš, D.: Radiation conditions at Bílý Kříž (the Czech Republic) in 2000 and 2001. *Ekológia (Bratislava)* 22/4: 381-393, 2003.
- Pavelka, M., Acosta, M., Janouš, D.: A new device for continuous CO₂ flux measurement in forest stand. *Ekology (Bratislava)*, Vol. 23, supplement 2 (2004) 88-100.
- Matejka, F., Janouš D, Hurtalová T, Rožnovský : Effect of thinning on microclimate of a young spruce forest. *Ekology (Bratislava)*, Vol. 23, supplement 2 (2004) 30-38.
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- Janouš D., Vinš. B. (2000): The Czech Republic. In: Kellomaki, S., Karjalainen, T., Mohren, F., Lapvetelainen, T. (eds.): *Expert Assessments on the Likely Impacts of Climate Change on Forests and Forestry in Europe*. EFI Proceedings No. 34, p. 35-39