

Curriculum Vitae

Name: Jiří Šantrůček

Born: 1955

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Education & Degrees:

- 2015 Professor of Plant Physiology, Charles University, Prague, Czech Republic
2003 Associated professor (Docent, Plant Physiology), Masaryk University, Faculty of Science, Brno, Czech Republic
1984 Ph. D. in Plant Biology (Plant water relations), Institute of Experimental Botany, Czechoslovak Academy of Sciences, Praha, Czech Republic
1979 Ing. (M.S. equivalent), Faculty of Agronomy, University of Agriculture, Praha, Czechoslovakia

Current employment:

Since 1993: University of South Bohemia (USB), Faculty of Science (formerly Faculty of Biology), Branišovská 1760/31c, 370 05 České Budějovice, Czech Republic. Lecturer, scientist, head of the Department of Experimental Plant Biology 2001-2019.

Thematic competence: plant physiology, photosynthesis, water relations of plants, leaf-atmosphere interactions stable isotopes.

Previous employment and fellowships

- 1993-present Faculty of Biological Sciences, University of South Bohemia, Ceske Budejovice, Czech Republic (associated professor, professor)
1993-2018 Institute of Plant Molecular Biology, Czech Academy of Sciences, Ceske Budejovice, CR (senior scientist, part time job)
1995-1997 Research School Biol. Sci., Australian National University, Environmental Biology Group, Canberra, Australia (postdoc)
1984-1990 Institute of Experimental Botany, Czech Academy of Sciences, Praha, Czech Republic (research assistant, scientist)

Teaching: Plant Physiology, Cell Biology, Stable Isotopes in Biology and Ecology - International course (University of South Bohemia, České Budějovice, Charles University, Praha)

Selected project coordination

- 2018-2020 GACR: Stomata: coordination of development, evolution of CO₂ sensing and carbon acquisition.
2016-2019 MEYS CR: Center for Systems Biology, OP RDE (C4Sys)
2014-2016 GACR: Effects of changing growth conditions on tree increment, stand production and vitality – danger or opportunity for the Central-European forestry?
2012-2014 GACR: Carbon dioxide signalling in leaf gas exchange and stomatal development.
2008-2011 GACR: Environmental and physiological control of stomata development.
2005-2008 GAAS CR: Patterns of isotopic composition of plant organs – a marker of photosynthetic activity, environmental conditions and leaf anatomy.
2000-2003 GAAS CR: Epicuticular wax on stomatal guard cells: ESEM, analytical and physiological study.
2000-2003 GACR: CO₂ diffusion and carboxylation as a limiting factors in leaf photosynthesis.
1999-2002 MEYS: Lateral heterogeneity of leaf cuticle.
1993-1995 GACR: Role of abscisic acid in photosynthesis.
1993-1995 CROPCHANGE – EU: Response of wheat plants and soil microbiota to elevated CO₂ concentrations.
1990-1993 GAAS CR: Statistical distribution of stomatal resistance over the amphistomatous leaf surface.

Membership in editorial boards of international journals

2000-present Biologia Plantarum

2009-2011 Biologia Plantarum, Executive Editor

2013-present Annals of Botany, Handling Editor

Publications and citation statistics (till May 2019)

46 papers in SCI-impacted journals authored or co-authored, cited 775 times (WOS),

h index = 17