

PhD thesis by Monika Sosnová: „*Ecological constraints limiting the root-sprouting ability in wetland plant species*“

Presented theses by Monika Sosnová have developed on joint research laboratory of Biological faculty South Bohemian University in České Budějovice and Institute of Botany Academy of Sciences of the Czech Republic in Třeboň. Financial support was provided by grants of Grant Agency of the Czech Republic: Plants, insect and vertebrates: integrated study of ecological and evolutionary interactions on population and ecosystem levels (206/08/H044) (2008-2011).

The aim of the theses was to map root sprouting ability in wetland plants and to compare this mode of clonal growth with others occurring in wetlands and experimentally assess ability of root-sprouting wetland pioneer herb to cope with disturbance and inundation. Important stimulus for work was Monikas stay in the Netherlands and cooperation with Ruddy van Diggelen where she started her first comparative study based on data from databases on vegetation of Netherlands and database of clonal growth. The results are presented in two papers and provide framework for Monikas experimental work. Three experiments presented in the theses evaluate avoidance and tolerance strategies of wetland pioneer root sprouting herb *Rorippa palustris*.

Monika presented her results on several international meetings, namely Clonal meeting in Leuven and meetings of Ecological society of German speaking countries POPBIO. In 2009 she spent two months in the lab by Peter van Tienderen in Amsterdam studying root herbivory of *Rorippa* species. Monika has worked independently, always willing to discuss details of experiments or manuscripts. She has developed into good experimental ecologist with sense for cultivation methods. Recently she uses the cultivations skills as a head of Collection of Aquatic and Wetland Plants of the Institute of Botany in Trebon.

I am convinced that Monika fulfilled requirements for doctor degree and proved her abilities for scientific work which might be a foundation of her scientific carrier.

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supervisor

Jitka Klimešová