

CURRICULUM VITAE

Mgr. Alena Voříšková

Osobní údaje/Personal details

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Nationality Czech
Birth date February 22nd 1989

Vzdělání/Education

od/since 2014 Ph.D. studium, Anatomie a fyziologie rostlin
Přírodovědecká fakulta, Univerzita Karlova v Praze
Ph.D study, Plant Anatomy and Physiology
Faculty of Science, Charles University

2011 - 2014 Mgr. Anatomie a fyziologie rostlin
Přírodovědecká fakulta, Univerzita Karlova v Praze
M.Sc. Plant Anatomy and Physiology
Faculty of Science, Charles University

2012 - 2013 ERASMUS zahraniční studijní pobyt
Umeå Universitet, Švédsko
ERASMUS scholarship
Umeå Universitet, Sweden

2008 - 2011 Bc. Biologie
Přírodovědecká fakulta, Univerzita Karlova v Praze
B.Sc. Biology
Faculty of Science, Charles University

Zaměstnání/Employment

od/since 2013 Institute of Botany, CAS, Průhonice
Department of Mycorrhizal Symbioses
Botanický ústav, AV ČR, Průhonice
Oddělení mykorhizních symbióz

Účast na projektech/Participation in projects

MŠMT LTAUSA17166
The role of communities of fungal root symbionts in plant response to climate changes

GAČR 15-05466S
Dynamics of mycorrhizal communities as plant adaptation to environmental conditions

GAUK 574312

Colonisation of abandoned fields by rare plants: The role of diversity and identity of arbuscular mycorrhizal fungi

GAČR GAP504/10/1486

Correlation of changes in mycorrhizal community and diversity of rare species on abandoned fields

Prezentace na mezinárodních konferencích

Presentations at international conferences

A. Voříšková, D. Püschel, J. Jansa, M. Vosátka, M. Janoušková (2017) Do plants actively shape arbuscular mycorrhizal fungal communities according to the environmental conditions to optimize their symbiotic benefits? 14th Student Conference of Experimental Plant Biology, Bratislava, Slovakia (ústní sdělení/oral presentation)

A. Voříšková, D. Püschel, J. Jansa, M. Vosátka, M. Janoušková (2017) Do plants actively shape arbuscular mycorrhizal fungal communities according to the environmental conditions to optimize their symbiotic benefits? The 9th International Conference on Mycorrhiza, Praha, Czech Republic (plakátové sdělení/poster presentation)

A. Voříšková, D. Püschel, J. Jansa, M. Vosátka, M. Janoušková (2016) Composition of arbuscular mycorrhizal fungal communities as mediator of plant stress tolerance. British Ecological Society – Annual Meeting, Liverpool, Great Britain (plakátové sdělení/poster presentation)

A. Voříšková, R. Slavíková, M. Janoušková, H. Pánková, J. Rydlová, K. Vazačová, T. Dostálek, Z. Münzbergová, M. Vosátka (2014) Inability of some plants to colonize abandoned field and potential role of AMF communities. The 10th International Mycological Congress, Bangkok, Thailand (plakátové sdělení/poster presentation)

A. Voříšková, R. Slavíková, M. Janoušková, H. Pánková, J. Rydlová, K. Vazačová, T. Dostálek, Z. Münzbergová, M. Vosátka (2013) Problem to colonize abandoned fields by rare plants: Focus on the effect of arbuscular mycorrhiza. The 32nd New Phytologist Symposium (Plant interactions with other organisms: Molecules, ecology and evolution), Buenos Aires, Argentina (plakátové sdělení/poster presentation)

A. Voříšková, H. Pánková, M. Janoušková, J. Rydlová, Z. Münzbergová, M. Vosátka (2012) Why do rare plants not colonise abandoned fields? Investigations on the role of arbuscular mycorrhiza. The 7th Symbiosis Conference Society Congress, Krakow, Poland (plakátové sdělení/poster presentation)

Seznam publikací/List of publications

Přiložené k dizertační práci/Enclosed to the dissertation thesis

D. Püschel, M. Janoušková, A. Voříšková, H. Gryndlerová, M. Vosátka, J. Jansa (2017) Arbuscular mycorrhiza stimulates biological nitrogen fixation in two Medicago spp. through improved phosphorus acquisition. *Frontiers in Plant Science*, 8, 390.

A. Voříšková, J. Jansa, D. Püschel, M. Krüger, T. Cajthaml, M. Vosátka, M. Janoušková (2017) Real-time PCR quantification of arbuscular mycorrhizal fungi: does the use of nuclear or mitochondrial markers make a difference? *Mycorrhiza*, 27(6), 577-585.

A. Voříšková, J. Jansa, D. Püschel, M. Vosátka, P. Šmilauer, M. Janoušková (2019) Abiotic contexts consistently influence mycorrhiza functioning independently of the composition of synthetic arbuscular mycorrhizal fungal communities. *Mycorrhiza*, 28(2), 127-139.

Další/Others

H. Pánková, C. Lepinay, J. Rydlová, A. Voříšková, M. Janoušková, T. Dostálek, Z. Münzbergová (2018) Arbuscular mycorrhizal fungi and associated microbial communities from dry grassland do not improve plant growth on abandoned field soil. *Oecologia*, 186(3), 677-689.

A. Voříšková, M. Janoušková, R. Slavíková, H. Pánková, O. Daniel, K. Vazačová, J. Rydlová, M. Vosátka, Z. Münzbergová (2016) Effect of past agricultural use on the infectivity and composition of a community of arbuscular mycorrhizal fungi. *Agriculture, Ecosystems & Environment*, 221, 28-39.