

CURRICULUM VITAE

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Personal information:

Date of birth: 24. 8. 1983

Place of birth: Ústí nad Labem, Czech Republic

Nationality: Czech

Education:

Since 2009: Faculty of Science, Charles University, Prague – botany (lichenology) – Ph.D. studies

2006 – 2009: Faculty of Science, Charles University, Prague – master studies in botany – (master thesis: Revision of the *Cladonia coccifera* group in Central Europe with emphasis on the Czech Republic)

2003 – 2006: Faculty of Science, Charles University, Prague – bachelor studies in biology (bachelor thesis: Study on *Cladonia coccifera* group)

Work experience:

Since 5/2014: Institute for Nanomaterials, Advanced Technologies and Innovation, Technical University of Liberec – junior scientific researcher.

2012 – 2014: Institute of Botany, Faculty of Science, Charles University, Prague - technical assistant (part-time).

Research interests:

Genetic and phenotypic diversity of mycobionts, photobionts and bacteria in *Cladonia* lichens.

Molecular microbiology and geomicrobiology.

International experience:

- 09/2013 – 06/2014 Slovak Academy of Science Bratislava, Slovakia – National Scholarship Programme of the Slovak Republic
- 05/ 2013 – 06/ 2013: Karl-Franzens Universität Graz, Austria – AKTION
- 09/ 2012 – 12/ 2012: Finnish Museum of Natural History, Helsinki, Finland – CIMO scholarship
- 09/ 2008 – 12/ 2008: Karl-Franzens Universität Graz, Austria – AKTION
- 03/ 2008 – 06/ 2008: Karl-Franzens Universität Graz, Austria – CEEPUS
- 02/ 2007 – 07/ 2007: Karl-Franzens Universität Graz, Austria – Erasmus

Publications in SCI journals:

- Němeček J., **Steinová J.**, Špánek R., Pluhař T., Pokorný P., Najmanová P., Knytl V., Černík M. (2018): Thermally enhanced in situ bioremediation of groundwater contaminated with chlorinated solvents – a field test. *Science of the total environment* 622-623: 743-755.
- Lhotský O., Krákorová E., Linhartová L., Křesinová Z., Kašlík J., **Steinová J.**, Rødsand T., Filipová A., Petru K., Kroupová K., Cajthaml T. (2017): Pharmaceuticals, benzene, toluene and chlorobenzene removal from contaminated groundwater by combined UV/H₂O₂ photo-oxidation and aeration. *Water research* 120: 245-255.
- Lhotský O., Krákorová E., Mašín P., Žebrák R., Linhartová L., Křesinová Z., **Steinová J.**, Dvořák L., Rødsand T., Filipová A., Kroupová K., Wimmerová L., Kukačka J., Cajthaml T. (2017): Assessment of biodegradation potential at a site contaminated by a mixture of BTEX, chlorinated pollutants and pharmaceuticals using passive sampling methods – case study. *Science of the total environment* 607: 1451-1465.
- Němeček J., Pokorný P., Lhotský O., Knytl V., Najmanová P., **Steinová J.**, Černík M., Filipová A., Filip J., Cajthaml T. (2016): Combined nano-biotechnology for in-situ remediation of mixed contamination of groundwater by hexavalent chromium and chlorinated solvents. *Science of the total environment* 566: 822-834.
- Hofmeister J., Hošek J., Malíček J., Palice P., Syrovátková L., **Steinová J.**, Černajová I. (2016): Large beech (*Fagus sylvatica*) trees as 'lifeboats' for lichen diversity in central European forests. *Biodiversity and conservation* 25 (6): 1073-1090.
- Hofmeister J., Hošek J., Brabec J., Dvořák D., Beran M., Deckerová H., Burel J., Kříž M., Borovička J., Běťák J., Vašutová M., Malíček J., Palice P., Syrovátková L., **Steinová J.**, Černajová I., Holá E., Novozámská E., Čížek L., Iarema V., Baltaziuka K., Svoboda T. (2015): Value of old forest attributes related to cryptogam species richness in temperate forests: a quantitative assessment. *Ecological Indicators* 57: 497-504.
- Škaloud P., **Steinová J.**, Řídká T., Vančurová L. and Peksa O. (2015): Assembling the challenging puzzle of algal biodiversity: species delimitation within the genus *Asterochloris* (Trebouxiophyceae, Chlorophyta). *Journal of Phycology* 51(3): 507-527.

- Steinová J.**, Stenroos S., Grube M. and Škaloud P. (2013): Genetic diversity and species delimitation of the zeorin-containing red-fruited *Cladonia* species (lichenized Ascomycota) assessed with ITS rDNA and β -tubulin data. *The Lichenologist* 45: 665-684.
- Neustupa J., Němcová Y., Veselá J., **Steinová J.** and Škaloud P. (2013): *Parachloroidium* gen. nov. (Trebouxiophyceae, Chlorophyta), a novel genus of coccoid green algae from subaerial corticolous biofilms. *Phycologia* 52: 411-421.
- Neustupa J., Němcová Y., Veselá J., **Steinová J.** and Škaloud P. (2013): *Leptochlorella corticola* gen. et sp. nov. and *Kalinella apyrenoidosa* sp. nov.: two novel *Chlorella*-like green microalgae (Trebouxiophyceae, Chlorophyta) from subaerial habitats. *International Journal of Systematic and Evolutionary Microbiology* 63: 377-387.
- Cardinale M, **Steinová J.**, Rabensteiner J., Berg G. and Grube M. (2012): Age, sun and substrate: triggers of bacterial communities in lichens. *Environmental Microbiology Reports* 4: 23–28.

Publications in non-SCI journals:

- Steinová J.**, Bobčíková K., Hristov D. R., Ševců A. (2016): Evaluation of two different methods for endotoxin detection in nanoparticle suspensions. *NANOCON 2016 - Conference Proceedings (8th International Conference on Nanomaterials - Research and Application)*: 627-631.
- Steinová J.**, Bouda F. Malíček J., Palice Z., Peksa O., Svoboda D., Vondrák J. (2015): Poznámky k rozšíření a ekologickým preferencím zástupců skupiny *Cladonia coccifera* v České republice. *Bryonora* 55: 4-19. [Notes on distribution and ecological preferences of *Cladonia coccifera* group members in the Czech Republic].
- Malíček J and **Steinová J.** (2014): Rostliny a lišejníky acidofilních stepí ve středním Povltaví. *Zprávy České botanické společnosti* 49: 243-260. [Vascular plants and lichens of acidophilous steppes in the Middle Vltava Region (Central Bohemia)].
- Steinová J.**, Bouda B., Halda J. P., Kukwa M., Malíček J., Müller A., Palice Z., Peksa O., Schiefelbein U., Svoboda D., Syrovátková L., Šoun J., Uhlík P. and Vondrák J. (2013): Lišejníky zaznamenané během 16. setkání Bryologicko-lichenologické sekce ČBS ve Slavkovském lese v dubnu 2009. *Bryonora* 51: 1-14. [Lichens recorded during the 16th meeting of the Bryological and lichenological section CBS in Slavkovský les mountains, April 2009.].
- Palice Z., **Steinová J.** and Malíček J. 2008. Tři nové korovité (vegetativně se množící) lišejníky pro ČR z hornin bohatých na železo a měď. Three new crustose (vegetatively propagating) lichens for the Czech Republic from rocks rich in iron and copper. *Bryonora* 42:12-16. [Notes on *Protoparmelia nephaea*, *Psilolechia leprosa* and *Rhizocarpon furfurosum*.].