

Curriculum vitae

Personal information

Name: Pavla Urbánková
Date of birth: 6th December 1985
Nationality: Czech
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Education

2011- Ph.D. – Botany, Charles University in Prague, Faculty of Science, Department of Botany
Thesis: Genetic diversity within pennate diatoms: Implications for ecology and taxonomy

2009-2011 Mgr. – Systematics and ecology of non-vascular plants, Charles University in Prague, Faculty of Science, Department of Botany
Thesis: Molecular diversity and distribution of species complex *Frustulia saxonica* (Bacillariophyceae)

2006-2009 Bc. – Biology, Charles University in Prague, Faculty of Science
Thesis: Allopatric and sympatric diversity of pennate diatoms (Bacillariophyceae)

Research stays abroad

3/2010 – 9/2010 University of Canterbury, Christchurch, New Zealand, supervised by Dr. Paul Broady
(*funding:* Fond Mobility UK, Hlávka foundation)

6/2013 – 7/2013 Ghent University, Ghent, Belgium. Supervised by Dr. Pieter Vanormelingen
(*funding:* Fond Mobility UK)

1/2015 – 4/2015 Research Institute for Limnology, Mondsee, Austria. Supervised by Assoc. Prof. Doc. Dr. Rainer Kurmayer (*funding:* Erasmus+)

Grants/Scholarships

2012 - 2015 Charles University Science Foundation (GAUK)
Project: Diversity of the diatom genus *Frustulia* in northern Europe (B-Bio 918513)

2011 – 2015 Supporting Talented PhD Research Students (STARS)

Teaching

Supervisor of a master thesis (V. Scharfen - completed 2014)
Botany of non-vascular plants for teachers - practical course
Phycology I – practical course

Manuscript reviews

Nova Hedwigia, Phytotaxa

Publications

Urbánková P., Scharfen V., & Kulichová J. (2016): Molecular and automated identification of the diatom genus *Frustulia* in northern Europe. *Diatom Research* 31: 217-229.

Urbánková P., Veselá J., & Kilroy C. (2015): *Frustulia curvata* and *Frustulia paulii*, two diatom species new to science. *Diatom Research* 30: 65-73.

Urbánková P. & Veselá J. (2013): DNA-barcoding: A case study in the diatom genus *Frustulia* (Bacillariophyceae). *Nova Hedwigia, Beiheft* 142: 147-162.

Veselá J., **Urbánková P.**, Černá K., & Neustupa J. (2012): Ecological variation within traditional diatom morphospecies; diversity of *Frustulia rhomboides* sensu lato (Bacillariophyceae) in European freshwater habitats. *Phycologia* 51: 552-561.

Veselá J., Škaloud P., **Urbánková P.**, Škaloudová M., & Kalina T. (2011): The CAUP image database. *Fottea* 11: 313-316.

Presentations and Posters

2017

Urbánková P., Scharfen V., Klimešová M., & Kulichová J.: Genetic diversity in the *Frustulia crassinervia-saxonica* species complex. 11th Central European Diatom meeting, Prague, Czech Republic. (poster)

2015

Urbánková P., Chen Q., Münzberg N., Skerekes E., Kurmayer R.: Heterotrophic bacteria associated with the toxic bloom-forming cyanobacteria *Planktothrix*. Fresh Blood for Fresh Water, Mondsee, Austria. (presentation)

Vanormelingen P., Declerck O., Pinseel E., **Urbánková P.**, Dhondt S., Vyverman W.: Phylogenetic species delimitation in the *Eunotia bilunaris/flexuosa* species complex. VII European Congress of Protistology, Sevilla, Spain. (poster)

Urbánková P., Sabbe K., Vyverman W., & Vanormelingen P.: pH preferences in a diatom species complex. VII European Congress of Protistology, Sevilla, Spain. (poster)

Scharfen V., **Urbánková P.**, & Kulichová J.: Diversity of genus *Frustulia* in northern Europe. VII European Congress of Protistology, Sevilla, Spain. (poster)

2014

Urbánková P., Kulichová J., Scharfen V.: Single-locus species delimitation in the diatom genus *Frustulia*. The British Phycological Society annual meeting, Galway, Ireland. (poster)

Kulichová J., Urbánková P., Scharfen V.: Hidden diversity within diatom morphospecies: A case on *Frustulia saxonica* species complex. The British Phycological Society annual meeting, Galway, Ireland. (poster)

2013

Urbánková P., Kulichová J.: Multi-locus phylogeny of the typical *Frustulia* species. 22nd North American

Diatom Symposium, Bar Harbor, Maine, USA.

2012

Urbánková P., Veselá J.: DNA barcoding: a case study in the diatom genus *Frustulia*. 8th International Chrysophyte Symposium, Prague, Czech Republic. (presentation)

Urbánková P., Veselá J.: DNA barcoding: a case study in the diatom genus *Frustulia*. International Diatom Symposium, Ghent, Belgium. (poster)

Veselá J., **Urbánková P.**: Functional genetic diversity within the *Frustulia rhomboides* species complex. International Diatom Symposium, Ghent, Belgium. (poster)

2010

Veselá J., **Urbánková P.**: Rozšíření fylotypů *Frustulia saxonica* ve sladkovodních evropských biotopech. 51. konference České algologické společnosti. Olomouc. Czech Republic. (presentation)

Veselá J., Škaloud P., **Urbánková P.**, Škaloudová M., Kalina T.: Internetová databáze obrázků trvalých preparátů, sbírky kultur a herbářových položek sinic a řas. 51. konference České algologické společnosti. Olomouc. Czech Republic. (presentation)

Veselá J., **Urbánková P.**: The distribution of *Frustulia saxonica* phylotypes in the freshwater European habitats. International Society of Protistologists - British Society for Protist Biology (ISOP-BSPB) Joint Meeting, Canterbury, United Kingdom. (poster)

2009

Veselá J., **Urbánková P.**: Molecular and morphological variation in *Frustulia saxonica* sensu lato (Bacillariophyta). 9th International Phycological Congress, Tokyo, Japan. (poster)

Urbánková P., Veselá J.: Molecular variability in diatom species *Frustulia saxonica* sensu lato. 3rd Central European Diatom Meeting, Utrecht, The Netherlands. (poster)