

CURRICULUM VITAE

Personal details:

Name: **BARTHA, László**

Born: 1983 (Tîrgu Mureş, Romania)

Email: lbartha.ubbcluj@yahoo.com, barthal19@yahoo.com

Employment: Research Assistant at the Faculty of Biology and Geology, Babeş-Bolyai University, Cluj-Napoca

Period: 1.05.2011 – present

Teaching experience:

2014/2015 first semester: Bioinformatics (course and computer lab) for graduate students. Babeş-Bolyai University. Faculty of Biology and Biology.

Degrees:

2012 PhD in 'Biology'. Babeş-Bolyai University. Title of thesis: Molecular phylogenetic studies on the European species of the genus *Astragalus* section *Dissitiflori*.

2009 MSc in 'Cell biology and molecular biotechnologies'. Babeş-Bolyai University.

2008 BSc in 'Biology'. Babeş-Bolyai University.

Languages:

Hungarian: mother tongue

Romanian: advanced

English: 'upper-intermediate', Cambridge First Certificate in English, Level B2 (2008)

Italian: basic

Publications

Articles in the Web of Science:

3. **Bartha, L.**, Sramkó, G., Volkova, P.A., Surina, B., Ivanov, A.L., Banciu, H.L. 2015. Patterns of plastid DNA differentiation in *Erythronium* (Liliaceae) are consistent with allopatric lineage divergence in Europe across longitude and latitude. *Plant Systematics and Evolution*. *in press*. doi:10.1007/s00606-014-1190-x.
2. Bálint, M., **Bartha, L.**, O'Hara, R.B., Olson, M.S., Otte, J., Pfenninger, M., Robertson, A.L., Tiffin, P., Schmitt, I. 2015. Relocation, high-latitude warming and host genetic identity shape the foliar fungal microbiome of poplars. *Molecular Ecology*. 24(1): 235-248. doi:10.1111/mec.13018.
1. **Bartha, L.**, Dragoş, N., Molnár V., A., Sramkó, G. 2013. Molecular evidence for reticulate speciation in *Astragalus* (Fabaceae) as revealed by a case study from section *Dissitiflori*. *Botany*. 91(10): 702-714. doi:10.1139/cjb-2013-0036.

Other publications in journals:

5. Mátiş, A., Szabó, A., **Bartha, L.** 2014. Lost and found: rediscovery of *Saussurea porcii* Degen in the Rodnei Mountains (Eastern Carpathians, Romania) after more than a century. *Contribuții Botanice*. 49: 39-42.
4. **Bartha, L.**, Macalik, K., Keresztes, L. 2014. Molecular evidence for the hybrid origin of *Hepatica transsilvanica* (Ranunculaceae) based on nuclear gene sequences. *Studia Universitatis Babeş-Bolyai, Series Biologia*. 59(1): 55-62.
3. **Bartha, L.**, Bartók, A. 2013. Rediscovery of *Astragalus roemeri* Simonk. in the Scărița-Belioara natural reserve (Apuseni Mountains, Romania). *Contribuții Botanice*. 48: 23-26.
2. **Bartha, L.**, Sramkó, G., Dragoş, N. 2012. New PCR primers for partial *ycf1* amplification in *Astragalus* (Fabaceae): promising source for genus-wide phylogenies. *Studia Universitatis Babeş-Bolyai, Series Biologia*. 57(1): 33-45.
1. **Bartha, L.**, P. Tóth, J., Molnár V., A., Dragoş, N., Sramkó, G. 2012. Taxonomic implications of multivariate morphometrics in selected taxa of the genus *Astragalus* section *Dissitiflori* (Fabaceae). *Contribuții Botanice*. 47: 59-66.

Oral presentation at international conference:

1. **Bartha, L.**, Sramkó, G., Volkova, P.A., Surina, B., Ivanov, A.L., Banciu, H.L. Transylvanian basin: novel extra – Mediterranean refuge and source of diversity for the temperate herb *Erythronium dens-canis* (Liliaceae). BioDivEvo2014 (15th Annual Meeting of the Society of Biological Systematics (GfBS) and 22nd International Symposium “Biodiversity and Evolutionary Biology” of the German Botanical Society (DBG)). 24-27 March 2014, Dresden, Germany.

Poster presentations at international conferences:

5. Macalik, K., **Bartha, L.**, Keresztes, L. When ploidy meets nuclear gene data: a textbook example of allotetraploidy in the genus *Hepatica* (Ranunculaceae). BioDivEvo2014, 24-27 March 2014, Dresden, Germany.

- 4. Bartha, L.,** Sramkó, G., Volkova, P.A., Surina, B., Ivanov, A.L., Banciu, H.L., Carpathians as major geographic barriers shaping the phylogeographic history of *Erythronium dens-canis* (Liliaceae) in Europe: insights from plastid DNA sequences. Biogeography of the Carpathians First Interdisciplinary Symposium. 26-28 September 2013, Krakow, Poland.
- 3. Bartha, L.,** Surina, B., Sytin, A.K., Dragoş, N., Molnár V., A., Sramkó, G. Towards a phylogenetic classification of the European taxa of *Astragalus* section *Dissitiflori* (Fabaceae) based on sequence data from two chloroplast regions. International Conference on Polyploidy, Hybridization, and Biodiversity. 7-10 May 2012, Pruhonice (Prague), Czech Republic.
- 2. Bartha, L.,** Dragoş, N., Molnár V., A., Sramkó, G., Phylogenetic utility of the low-copy nuclear gene LFY intron 2 in plant molecular phylogenetics as exemplified in *Astragalus* (Fabaceae). Moscow Conference on Computational Molecular Biology (MCCMB'11), 21-24 July, 2011, Moscow, Russia.
- 1. Bartha, L.,** Dragoş, N., Molnár V., A, Sramkó, G., A molecular phylogenetic study on the origin of the narrow endemic *Astragalus peterfii* Jáv. revealed extensive reticulation in *Astragalus* section *Dissitiflori*. 14th Evolutionary Biology Meeting at Marseilles, 21-24 September 2010, Marseilles, France.