

Dr. Bartha László

Lista de lucrări

a) Teza de doctorat

Titlul tezei: "Molecular phylogenetic studies on the European species of the genus *Astragalus* L. section *Dissitiflora*". Coordonator științific: Prof. dr. Dragoș Nicolae. Teza a fost susținută public în data de 23 noiembrie 2012, cu acordarea titlului de Doctor în Biologie în data de 20.02.2013.

b) Articole/studii publicate în reviste de specialitate de circulație internațională (indexate ISI)

1. Mátis, A., Szabó, A., Lyskov, D., Sramkó, G., Kuhn, T., Bădărău, A.S., & Bartha, L. (2017) Validating the systematic placement of *Eriosynaphe* in the genus *Ferula* (Apiaceae: Scandiceae: Ferulinae) linked with the description of *Ferula mikraskythiana* sp. nov. from Romania. *Phytotaxa* 298: 239-252.
2. Hurdu, B.-I., Escalante, T., Pușcaș, M., Novikoff, A., Bartha, L., & Zimmermann, N.E. (2016) Exploring the different facets of plant endemism in the South-Eastern Carpathians: a manifold approach for the determination of biotic elements, centres and areas of endemism. *Biological Journal of the Linnean Society* 119: 649-672.
3. Voica, D.M., Bartha, L., Banciu, H.L., & Oren, A. (2016) Heavy metal resistance in halophilic *Bacteria* and *Archaea*. *FEMS Microbiology Letters* 363: fnw146-fnw146.
4. 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* 301: 1747-1758.
5. Bartha, L., Stepanov, N.V., Rukšāns, J., Banciu, H.L., & Keresztes, L. (2015) Non-monophyly of Siberian *Erythronium* (Liliaceae) leads to the recognition of the formerly neglected *Erythronium sajanense*. *Journal of Plant Research* 128: 721-729.
6. 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: 235-248.
7. Bartha, L., Dragoș, N., Molnár V., A., & Sramkó, G. (2013) Molecular evidence for reticulate speciation in *Astragalus* (Fabaceae) as revealed by a case study from section *Dissitiflora*. *Botany* 91: 702-714.



c) Lucrări publicate în reviste indexate în baze de date internaționale (“BDI”)/B+

1. Bartók, A., Hurdu, B.-I., Szatmari, P.-M., Ronikier, M., Pușcaș, M., Novikoff, A., **Bartha, L.**, & Vonica, G. (2016) New records for the high-mountain flora of the Făgăraș Mts. (Southern Carpathians) with discussion on ecological preferences and distribution of studied taxa in the Carpathians. *Contribuții Botanice* LI: 77-153.
2. **Bartha, L.**, Macalik, K., & Keresztes, L. (2014) Molecular evidence for the hybrid origin of *Hepatica transsilvanica* (Ranunculaceae) based on nuclear gene sequences. *Studia Universitatis Babeș-Bolyai, Series Biologia* 59: 55-62.
3. Mátis, 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* XLIX: 39-42.
4. **Bartha, L.**, & Bartók, A. (2013) Rediscovery of *Astragalus roemeri* Simonk. in the Scărița-Belioara natural reserve (Apuseni Mountains, Romania). *Contribuții Botanice* 48: 23-26.
5. **Bartha, L.**, Sramkó, G., & Dragoș, N. (2012) New PCR primers for partial *ycf1* amplification in *Astragalus* (Fabaceae): promising source for genus-wide phylogenies. *Studia Universitatis Babeș-Bolyai, Series Biologia* 57: 33-46.
6. **Bartha, L.**, P. Tóth, J., Molnár V., A., Dragoș, N., & Sramkó, G. (2012) Taxonomic implications of multivariate morphometrics in selected taxa of the genus *Astragalus* sect. *Dissitiflori*. *Contribuții Botanice* 47: 59-66.

d) Studii publicate în volumele unor manifestări științifice internaționale recunoscute din țară și din străinătate (cu ISSN sau ISBN)

1. **Bartha, L.**, Macalik, K., Szabó, E., Jovanović, F., Yıldırım, H., Trávníček, B., Banciu, H.L., Zubov, D., Yüzbaşıoğlu, S., & Keresztes, L. (2016) Isolation and escape from the Carpathian Basin of geophyte phylogeographical lineages: lessons from *Scilla bifolia* and *Galanthus nivalis*. In *11th International Conference „Advances in research on the flora and vegetation of the Carpatho-Pannonian region”*, pp. 97, 12-14 February 2016, Budapest, Hungary (oral presentation with abstract)
2. **Bartha, L.**, Mandáková, T., Banciu, H.L., Keresztes, L., Lysak, M.A., & Kovařík, A. (2016) PCR-based evidence for the presence of dicot rDNA in a monocot plant genome: Implications for a horizontal gene transfer? In *18th Young Systematists' Forum*, 25th November 2016, Flett Theatre, Natural History Museum, London, UK (poster presentation with abstract).
3. **Bartha, L.**, Sramkó, G., Volkova, P.A., Surina, B., Ivanov, A.L., & Banciu, H.L. (2014) 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) held in concert with the 22nd International Symposium "Biodiversity and Evolutionary Biology" of the German Botanical Society (DBG). 24-27 March 2014, Dresden, Germany. (oral presentation with abstract).

4. Macalik, K., **Bartha, L.**, & Keresztes, L. (2014) When ploidy meets nuclear gene data: a textbook example of allotetraploidy in the genus *Hepatica* (Ranunculaceae). In *BioDivEvo2014. 15th Annual Meeting of the Society of Biological Systematics (GfBS) held in concert with the 22nd International Symposium "Biodiversity and Evolutionary Biology" of the German Botanical Society (DBG)*, 24-27 March, Dresden, Germany. (poster presentation with abstract)
5. **Bartha, L.**, Sramkó, G., Volkova, P.A., Surina, B., Ivanov, A.L., & Banciu, H.L. (2013) Carpathians as major geographic barriers shaping the phylogeographic history of *Erythronium dens-canis* (Liliaceae) in Europe: insights from plastid DNA sequences. In *Biogeography of the Carpathians First Interdisciplinary Symposium. 26-28 September 2013, Krakow, Poland. Conference abstract: ACTA BIOLOGICA CRACOVIENSIS SERIES BOTANICA Vol. 55 suppl. 1, p. 39.* (poster presentation with abstract)
6. Bartha, L., Surina, B., Sytin, A.K., Dragoş, N., Molnár, V.A., & Sramkó, G. (2012) 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. (poster presentation with abstract)
7. **Bartha, L.**, Dragoş, N., Molnár V., A., Sramkó, G. (2011) 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, Moscow, Russia (poster presentation with abstract)
8. **Bartha, L.**, Dragoş, N., Molnár V., A, and Sramkó, G. (2010) 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. (poster presentation with abstract)

e) proiecte de cercetare-dezvoltare-inovare pe bază de contract/grant

Director de proiect

2016-2017 – Grant pentru tineri cercetători, finanțat de Universitatea Babeş-Bolyai, Cluj-Napoca, cod proiect GTC-31778-2016, Titlu: Explorarea moleculară a ADN-ului pentru ARN ribozomal la *Erythronium* ca posibilă gazdă pentru gene străine. Poziția în grant: **director de proiect**. Buget total: 20000 RON (ca. 4400 Euro).



Membru în proiecte de cercetare naționale

2013-2016 – Proiect IDEI, cod proiect PN-II-ID-PCE-2012-4-0595. Finanțator: UEFISCDI (Autoritatea română pentru cercetarea academică). Director de proiect Conf. Dr. Keresztes Lujza. Titlul proiectului: *Relicte, martori ai unor procese evolutive complexe ale ecosistemelor montane din Carpați: procese istorice și tendințe viitoare*. Instituția gazdă: Universitatea Babeș-Bolyai Cluj-Napoca. Poziția în grant: **asistent de cercetare**.

2011-2013 – Proiect Tinere Echipe, cod proiect PN-II-RU-TE-296/2010. Finanțator: UEFISCDI (Autoritatea română pentru cercetarea academică). Director de proiect Conf. Dr. Ruprecht Eszter. Titlul proiectului: *Consecințele schimbării modului de utilizare a terenurilor asupra diversității pajiștilor și posibile metode de management*. Instituția gazdă: Universitatea Babeș-Bolyai Cluj-Napoca. Poziția în grant: **asistent de cercetare**.

