

## Endre György Tóth

### List of publications

**Peer-reviewed articles** (original publications, authors with \* have equally contributed)

- 2017 **Tóth, E. Gy.**, Bede-Fazekas, Á., Vendramin G. G., Bagnoli F., & Höhn M. (2017). Mid-Pleistocene and Holocene demographic fluctuation of Scots pine (*Pinus sylvestris* L.) in the Carpathian Mountains and the Pannonian Basin: signs of historical expansions and contractions. *Quaternary International*, (2016 IF: 2.199) (under review)
- 2017 **Tóth, E. Gy.**, Vendramin, G. G., Bagnoli, F., Cseke, K., & Höhn, M. (2017). High genetic diversity and distinct origin of recently fragmented Scots pine (*Pinus sylvestris* L.) populations along the Carpathians and the Pannonian Basin. *Tree Genetics & Genomes*, 13(2), 47. (2015 IF: 2.1321)
- 2017 **Tóth, E. Gy.**, Köbölkuti, Z. A., Pedryc, A., & Höhn, M. (2017). Evolutionary history and phylogeography of Scots pine (*Pinus sylvestris* L.) in Europe based on molecular markers. *Journal of Forestry Research*, 1-15. (2015 IF: 0.658)
- 2017 Köbölkuti\*, Z. A., **Tóth\***, **E. Gy.**, Ladányi, M., & Höhn, M. (2017). Morphological and anatomical differentiation in peripheral *Pinus sylvestris* L. populations from the Carpathian region. *Dendrobiology*, 77: 105-117, <http://dx.doi.org/10.12657/denbio.077.009> (2015 IF: 0.643)
- 2015 **Tóth, E. Gy.**, Köbölkuti, Z. A., Pedryc, A., Höhn, M. (2015). Az SNP markerek és alkalmazhatóságuk fenyőfajok molekuláris genetikai vizsgálatánál. *Kertgazdaság*, 79-87.
- 2015 **Tóth E. Gy.**, Juhász Á., Diószegi M. S., Steiner M., Hrotkó K. (2015). Leaf gas exchange characteristics of drought stressed linden (*Tilia* sp.) trees. *Applied Ecology and Environmental Research*, 13(4) DOI: [http://dx.doi.org/10.15666/aeer/1304\\_11091120](http://dx.doi.org/10.15666/aeer/1304_11091120). (2015 IF: 0.500)
- 2014 Hrotkó, K., Steiner, M., Forrai, M., **Tóth, E.**, Vértesy, M., Leelőssy, Á., Kardos, L., Diószegi, M. S., Magyar, L., Mészáros, R. (2014). Investigations on environmental benefits of urban trees at Corvinus University of Budapest. *Plants in Urban Areas and Landscape 2014. Proceeding of the scientific papers*. Slovak University of Agriculture, Nitra, Slovakia. 24-27. (proceeding)
- 2014 Steiner, M., **Tóth E.**, Juhász, Á., Diószegi, M. S., Hrotkó, K. (2014). Stomatal responses of drought and heat stressed linden (*Tilia* sp.) leaves. *Plants in Urban Areas and Landscape 2014. Proceeding of the scientific papers*. Slovak University of Agriculture, Nitra. Slovakia. 7-10. (proceeding)
- 2014 **Tóth, E.**, Vértesy, M., Diószegi, M. S., Magyar, L., Steiner, M., Hrotkó, K. (2014). Growth and phenological observations on Hungarian and foreign linden varieties. *Plants in Urban Areas and Landscape 2014. Proceeding of the scientific papers*. Slovak University of Agriculture, Nitra. Slovakia. 93-95. (proceeding)
- 2013 **Tóth, E.**, Sütöriné, D. M., Hrotkó, K. (2013). Magyar és külföldi hársfajták fenológiai értékelése. *Kertgazdaság*. 35-41.
- 2011 **Tóth, E.**, Sütöriné, D. M., Hrotkó, K. (2011). Fenológiai vizsgálatok külföldi és magyar hárs fajtákon. *Erdei Ferenc VI. Tudományos Konferencia*. Kecskemét. Hungary. 488-492 (proceeding)

**Conference presentations** (talks and posters, authors with \* have equally contributed)

- 2017 György, Zs., Incze, N., **Tóth, E. Gy.**, Höhn, M. (2017). Chloroplast *trnL-F* region reveals several diversity hot spots for the arctic-alpine *Rhodiola rosea*. Biogeography of the Carpathians (Second Interdisciplinary Symposium). Cluj-Napoca, Romania. (poster)
- 2017 **Tóth, E. Gy.**, Köbölkuti, Z. A., Bede-Fazekas, Á., Vendramin, G. G., Bagnoli, F., Höhn, M. (2017). Population demographic inferences of Scots pine along the Carpathians and the Pannonian Basin based on bioclimatic and molecular genetic data. Biogeography of the Carpathians (Second Interdisciplinary Symposium). Cluj-Napoca, Romania. (talk)
- 2017 Köbölkuti, Z. A., Tóth, K., **Tóth, E. Gy.**, Buczkó, K., Höhn, M. (2017). Micromorphological diversity of needles in peripheral *Pinus sylvestris* L. populations. XV. Symposium of Hungarian Plant Anatomy Budapest, Hungary. (poster)
- 2017 Köbölkuti, Z. A., **Tóth, E. Gy.**, Jahn, D., Höhn, M., Heinze, B. (2017). Comparative analysis of adaptive variation in *Pinus cembra* L. and *Pinus sylvestris* L. based on Swiss stone pine transcriptome developed molecular markers. Detecting the Genomic Signal of Polygenic Adaptation and the Role of Epistasis in Evolution - Symposium. ETH Zurich, Switzerland. (poster)
- 2017 **Tóth, E. Gy.**, Höhn, M., Bagnoli, F., Vendramin, G. G. (2017). Further progress in analysis of nucleotide diversity at candidate gene loci of Carpathian Scots pine populations - effects of historical demography and selection. Val Canali. Italy. (talk)
- 2017 Höhn, M., Köbölkuti, Z. A., **Tóth, E. Gy.** (2017). A Fenyőkúti tőzezláp erdeifenyves populációjának különleges helyzete molekuláris markerek vizsgálata alapján. IV. Transylvanian Horticulture and Landscape Studies Conference. Tirgu-Mures, Romania. (talk)
- 2016 **Tóth, E. Gy.**, Vendramin, G. G., Bagnoli, F., Köbölkuti, Z. A., Höhn, M. (2016). Filogeográfiai és adaptációs mintázat a közép-kelet-európai Erdeifenyő (*Pinus sylvestris* L.) populációkban. MTA DAB (Hungarian Academy of Sciences), Molekuláris biodiverzitás: taxonómia, filogenetika, filogeográfia konferencia. Debrecen, Hungary. (talk)
- 2016 **Tóth, E. Gy.**, Höhn, M. (2016). Adaptive potential of fragmented Scots pine populations from the Carpathians. 5th Workshop of the AForGen network. Sacel. Romania. (talk)
- 2016 **Tóth, E. Gy.**, Höhn, M. (2016). A Kárpátok és a Pannon medence izolált erdeifenyő (*Pinus sylvestris* L.) populációinak molekuláris genetikai struktúrája és demográfiai története (Genetic structure and demography of isolated Scots pine (*Pinus sylvestris* L.) populations from the Carpathians and the Pannonian basin). XI. Aktuális flora- és Vegetációkutatás a Kárpát-medencében (11th International Conference „Advances in research on the flora and vegetation of the Carpato-Pannonian region”). Budapest. Hungary. (talk)
- 2015 **Tóth, E. Gy.**, Höhn, M. (2015). Further progresses in population genetic study of Carpathian pine populations: the case of Scots pine 4th Workshop of the AForGen network. Bavaria, Berchtesgaden. Germany. (talk)
- 2015 **Tóth, E. Gy.**, Vendramin, G. G., Bagnoli, F., Cseke, K., Höhn, M. (2015). Genetic structure of relict and isolated Scots pine (*Pinus sylvestris* L.) populations from Central-Eastern Europe: signals of recent population fragmentation? IUFRO Tree Biotechnology Conference, Florence, Italy. (poster)
- 2015 Köbölkuti, Z. A., **Tóth, E. Gy.**, Zahoretz, A., Tóth, K., Höhn, M. (2015). Comparative needle anatomy and cone morphometry of natural *Pinus sylvestris* (L.) populations from Central-Eastern Europe. III. Transylvanian Horticulture and Landscape Studies Conference. Tirgu-Mures, Romania. (poster)

- 2014 **Tóth, E.**, Andrzej, P., Höhn, M. (2014). Diversity pattern of natural *Pinus sylvestris* L. populations from South-Western Hungary revealed by cpSSR markers. Horticulture in quality and culture of life conference. Lednice. Czech Republic. p. 64. (poster)
- 2014 **Tóth, E.**, Cseke, K., Höhn, M. (2014). Phylogeographic evaluation of *Pinus sylvestris* L. populations from East-Central Europe. 3rd Workshop of the AForGen network. Fafleralp canton, Valis. Switzerland. (talk)
- 2014 **Tóth, E.**, Andrzej, P., Höhn, M. (2014). Peremhelyzetű, közép-kelet európai erdefenyő (*Pinus sylvestris* L.) populációk genetikai variabilitásának értékelése mikroszatellit markerekkel (Evaluation of genetic variability of situated Middle-Eastern-European Scots pine populations with microsatellite markers). X. Aktuális flora- és Vegetációkutatás a Kárpát-medencében. Sopron. Hungary. p. 221. ISBN 978-963-334-153-7. (poster)
- 2013 **Tóth, E.**, Andrzej, P., Höhn, M. (2013). Morphological and molecular evaluation of native Scots pine (*Pinus sylvestris* L.) populations from south-eastern Europe. Biogeography of the Carpathians Conference. Krakow. Poland. p. 70. (poster)
- 2013 Steiner, M., **Tóth, E.**, Sütöriné, D. M., Hrotkó, K. (2013). Hársfajták leveleinek gázcseréje különböző időjárási körülmények mellett. Közterületeink növény- és talajvédelme tudományos konferencia. Budapest. Hungary. p. 11. (talk)
- 2013 **Tóth, E.**, Ladányi, M., Höhn, M. (2013). Morphometric comparison of cone traits in distinct Scots pine (*Pinus sylvestris* L.) populations. II. Transylvanian Horticulture and Landscape Studies Conference. Tirgu-Mures, Romania. pp. 31-32. (poster)
- 2013 **Tóth, E.** (2013). Adatok magyar és külföldi hársfajták összehasonlító értékeléséhez. XXXI. Országos Tudományos Diákköri Konferencia, Agrártudományi Szekció, Erdészet és Faipar tagozat II., Budapest. p. 163. (talk)
- 2012 **Tóth, E.**, Sütöriné, D. M., Hrotkó, K. (2012). A törzsvastagodás vizsgálata külföldi és magyar hárs fajtákon. XVIII. Növénynevelési Tudományos Napok. Budapest. Hungary. pp. 127. (poster)
- 2012 **Tóth, E.**, Sütöriné, D. M., Hrotkó, K. (2012). Phenological observations on hungarian and foreign linden varieties. Dendrologické Dni V Arboréte Mlyňany Sav (2012). Mlyňany. Slovakia. pp. 83. (talk)
- 2012 **Tóth, E.**, Hufnagel, L., Höhn, M. (2012). Chloroplast microsatellite study reveal lower variability in *Pinus sylvestris* L. populations inhabiting sunny, dry habitats. Interdisciplinarity In Geoscience In The Carpathian Basin (IGCB) conference. Suceava. Romania. pp. 28. (talk)