

CURRICULUM VITAE



Personal informations

Name: Péter Ódor

Date of birth: 13. 01. 1973.

Place of birth: Tatabánya, Hungary

Nationality: Hungarian

Profession: Biologist (Ecologist), Biology and chemistry teacher

Permanent address: Szent László u. 84. I/3., H-1135 Budapest, Hungary

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Marital status: married

Children: Nándor Ódor (2003)

Levente Ódor (2007)

Knowledge of languages: Hungarian (native), English, German

Education

1991: General Certificate of Education,
Vörösmarty Mihály Grammar School, Érd, Hungary

1997: M.Sc. Degree in Biology (Ecology) Researcher
Loránd Eötvös University, Hungary

1997: M.Sc. Degree in Biology and Chemistry Teacher
Loránd Eötvös University, Hungary

2003: Ph.D. Degree in Ecology
Loránd Eötvös University, Hungary

2018: Doctor of Hungarian Academy of Sciences (DSc)
Hungarian Academy of Sciences, Hungary

Work-Experience

Posts:

2000-2011 : Scientific fellow at the Department of Plant Taxonomy and

- Ecology, L. Eötvös University
- 2011-: Senior Research Fellow, MTA Centre for Ecological Research
Institute of Ecology and Botany
- 2013-: Leader of the Forest Ecology Research Group, MTA Centre for Ecological Research, Institute of Ecology and Botany
- 2014-2015 Mandatory Director of the Institute, MTA Centre for Ecological Research, Institute of Ecology and Botany
- 2016- Department Leader, MTA Centre for Ecological Research, Institute of Ecology and Botany, Department of Terrestrial Ecology
- 2018- Scientific advisor, Centre for Ecological Research
Institute of Ecology and Botany
- 2022- Director, Centre for Ecological Research
Institute of Ecology and Botany
- 2022- Research Professor (part time), University of Sopron, Faculty of Forestry, Institute of Environmental Protection and Nature conservation

Research experience:

- 1993 - 1997: Population biological and ecological investigations of club moss populations (Hungary, Austria)
- 1993 - 2007: Bryofloristical studies (Hungary, Slovenia, Austria)
- 1996 - 1998: Ecological studies on the vegetation structure of semi-arid grasslands (Hungary, USA)
- 1996 - 2007: Ecological studies on stand-structure, vascular and bryophyte vegetation in semi-natural and managed beech forests (Hungary)
- 1998 -: Investigation of ecological preferences of dead wood inhabiting bryophytes in European beech forests
- 1999 -2007: Long term vegetation dynamical studies of bryophytes (Hungary)
- 2000-: Amount, dynamics and biodiversity effects of dead wood
- 2004-: Effect of tree species composition and stand structure of the diversity and composition of different organism groups in forests
- 2013-: Effect of forest management on the forest site, regeneration and biodiversity

Teaching experience:

Practicals and field courses:

- 1996 - 2011: Plant Taxonomy
- 2003 – 2011: Bryology
- 2003 – 2011: Plant Ecology

Lectures:

- 2008-2011: Plant Ecology
- 2018-: Bases of continuous cover forestry
- 2022-: Ecology

Supervisor:

PhD:

2011. Flóra Tinya. Investigation of the relationship between light and forest understory vegetation in Órség, Western Hungary. PhD. Thesis (in

Hungarian). Eötvös University. PhD. School of Biology, Program of Ecology, Conservation Biology and Systematics, Summa cum laude.

2015. Ildikó Lengyelne Király. Factors influencing epiphytic bryophyte and lichen communities at different spatial scales in managed temperate forests and an experimental study of regeneration of epiphytic bryophyte communities. PhD. Thesis (in Hungarian). Eötvös University. PhD. School of Biology, Program of Ecology, Conservation Biology and Systematics, Summa cum laude.

2018. Markéta Táborska. Diversity and ecology of bryophyte communities on dead wood in forest reserves. Masaryk University, Biology PhD School, Botany PhD Programme, Brno, Summa cum laude.

2019. Sára Márialigeti. Effects of stand structure and environmental conditions on the herb and bryophyte understorey in the forests of West-Hungary (Őrség and Vendvidék). Eötvös University. PhD. School of Biology, Program of Ecology, Conservation Biology and Systematics, Summa cum laude.

2019. Bence Kovács. Study of below-canopy microclimate in managed forests. Eötvös University. PhD. School of Biology, Program of Ecology, Conservation Biology and Systematics, Summa cum laude.

MSc:

2005. Géza Subai: The role of dead wood in the composition of bryophyte vegetation. MSc. Thesis (in Hungarian). Department of Plant Taxonomy and Ecology, L. Eötvös University.

2005. Olga Csapó: Investigation of substrate preference of dead wood dwelling bryophyte species. MSc. Thesis (in Hungarian). Department of Plant Taxonomy and Ecology, L. Eötvös University.

2006. Szófia Mészáros. Dynamics of bryophyte assemblages. MSc. Thesis (in Hungarian). Department of Plant Taxonomy and Ecology, L. Eötvös University.

2007. Zsuzsa Mag. The effect of forest stand structure on bird assemblages in Őrség region. MSc. Thesis (in Hungarian). Department of Plant Taxonomy and Ecology, L. Eötvös University.

2007. Sára Márialigeti. The effect of forest stand structure on bryophyte assemblages in Őrség region. MSc. Thesis (in Hungarian). Department of Plant Taxonomy and Ecology, L. Eötvös University.

2008. Ildikó Király. The effect of forest stand structure on epiphytic bryophyte assemblages in Őrség region. MSc. Thesis (in Hungarian). Department of Plant Taxonomy and Ecology, L. Eötvös University.

2010. Orsolya Márton. Effects of selective cutting on the natural regeneration of pine forests in Őrség region. MSc. Thesis (in Hungarian). Department of Plant Taxonomy and Ecology, L. Eötvös University.

2019. Csenge Veronika Horváth. Effects of different forestry treatments on the understorey of an oak-hornbeam forests. MSc. Thesis (in Hungarian). Department of Plant Taxonomy and Ecology, L. Eötvös University.

2020. Locatelli, Julia Schadek. Effects of gap size and shape on the understory vegetation in an oak-hornbeam forest. Environmental Sciences

MSc Thesis. ELTE Faculty of Natural Sciences, Centre of Environmental Studies.

BSc:

2010. Gábor Bognár Farkas. Comparison of dead wood amount in different biomes. the effect of forest management on dead wood. Review. BSc. Thesis (in Hungarian). Department of Plant Taxonomy and Ecology, L. Eötvös University.

2011. Zsuzsanna Bartha. Relationships between forest stand structure and bryophyte assemblages. Review. BSc. Thesis (in Hungarian). Department of Plant Taxonomy and Ecology, L. Eötvös University.

2012. Kövendi-Jakó Anna. Ecological role of bryophyte propagule bank. BSc Thesis (in Hungarian). Department of Plant Taxonomy, Ecology and Theoretical Biology, L. Eötvös University.

2018. Ákos Vadas. Survival of epixylic and epiphytic bryophyte species after different forestry treatments. BSc Thesis (in Hungarian). Department of Plant Taxonomy, Ecology and Theoretical Biology, L. Eötvös University

Principal investigator in projects:

1995-1997 “Coenological investigations of club moss populations”, Pro Renovanda Cultuta Hungariae Foundation, “Students for Science” Program, 80 kHUF

1999 - 2002: “Ecological investigations of bryophyte vegetation occurring on decaying logs in beech forests” Hungarian Science Foundation (OTKA F029762), 1481 kHUF

2003 - 2006: “Bryophyte ecological and forest ecological investigations” Postdoctoral Grant, Hungarian Science Foundation (OTKA D46045), 7025 kHUF

2006-2007: “The effect of forest stand composition and structure on the diversity of different organism groups” Postdoctoral Grant, Magyary Zoltán Higher Educational Public Foundation, 4400 kHUF

2008-2011: “The effect of stand structure on the composition and diversity of different forest organism groups in Órség.” Bolyai János Scientific Fellowship of the Hungarian Academy of Sciences., 5692 kHUF

2009-2014: “The effect of stand structure on the composition and diversity of different forest organism groups in Órség.” Hungarian Science Foundation (OTKA 79158), 15 264 kHUF

2012-2016: „Sustainable conservation in Hungarian Natura 2000 sites” Swiss-Hungarian cooperation programme (SH/4/8), Dead wood evaluation workpackage, 30 079 kHUF

2013-2015: Floristical and biodiversity research for bryophytes and lichens in Serbia and Hungary. Mobility Grant of the Hungarian Academy of Sciences, 1506 kHUF.

2013-2016: Exploration the relationships between stand structure and biodiversity of different organism groups in forests. Bolyai János Scientific Fellowship of the Hungarian Academy of Sciences, 5692 kHUF.

2013-2014: Effect of forest management on forest site, regeneration and biodiversity. Infrastructure Grant of the Hungarian Academy of Sciences, 15 500 kHUF.

- 2015-2018 Effect of forest management on forest site, regeneration and biodiversity. Hungarian Science Foundation (OTKA 111887), 23 759 kHUF
- 2015-2015 Complex assessment of climate change impacts - preparing international R&D projects in the University of West Hungary (TÁMOP-4.2.2.D-15/1/KONV-2015-0023)". Consortium partner leader, 17764 kHUF
- 2016-2017 Effect of forestry treatments on forest site and understorey, an experimental study. MTA Postdoctoral Research Program (postdoctor: Flóra Tinya), 10 300 kHUF.
- 2018-2022 Open-field experiments supporting ecologically sustainable forest management. National Research, Development and Innovation Office (K_18 128441), 46 940 kHUF
- 2022-2026 Complex ecological comparison of continuous cover and rotation forestry systems in native forests of the submontane region of Hungary. National Research, Development and Innovation Office (K 143270), 47 990 kHUF

Participant in projects:

- 1996 - 1999: "Composition, diversity and structural characteristics of forest vegetation and their relationships to stand structure" Hungarian Science Foundation (OTKA F21300, principal investigator: Dr. Tibor Standovár.
- 1997. "Composition, diversity and structural characteristics of forest vegetation and their relationships to stand structure". Hungarian cultural Ministry, principal investigator: Dr. Tibor Standovár.
- 1998. "Development and application of indicators for biodiversity monitoring of forests. Hungarian Comitte for Technical Development, principal investigator: Dr. Tibor Standovár.
- 2000-2004 "NatMan: Nature based management of beech in Europe" EU 5th Framework Programme (QLRT1-CT99-1349), principal investigator: Dr. Jens Emborg, Hungarian coordinator: Dr. Tibor Standovár.
- 2002-2005 Assessment of the naturalness of Hungarian forests. National Office for Research and Technology (0050/3B62022), principal investigator: Dr. Dénes Bartha.
- 2006-2006 "The biological basis of near-natural forestry", Öveges Application, Hungarian National Office of Research and Technology, principal investigator: D. Tibor Standovár
- 2007-2011 "Analysis of multivariate biological phenomena on population and community level" Hungarian Science Foundation (OTKA NI68218), principal investigator: Dr. János Podani.
- 2013-2017 "Comparative analysis of forest stand structure and herb layer in managed and unmanaged sessile and Turkey oak dominated forests", Hungarian Science Foundation (OTKA 105896), principal investigator: Dr. János Bölöni, 17 031 kHUF
- 2016-2020. Sustainable functioning of ecosystems – Inventions for the moderation of the effects of climate change, land use and invasion. National Research, Development and Innovation Office (NKFIH) Research Grant (GINOP-2.3.2-15-2016-00019, principal investigator: Dr. András Báldi), 25 600 kHUF (Total: 710 899 kHUF).

- 2017-2020. Investigation of forest management effects on site conditions, regeneration and understory. National Research, Development and Innovation Office (NKFIH) Research Grant (PD123811), principal investigator: Dr. Flóra Tinya, 15 219 kHUF
- 2017-2026. Life 4 Oak Forests. Conservation management tools for increasing structural and compositional biodiversity in N2000 oak forests. EU Life Program, LIFE16 NAT/15/00245, principal investigator: Massimiliano Costa. 551 329 Euro (Total: 7 980 586 Euro)
- 2019-2023. BOTTOMS-UP: Biodiversity Of Temperate forest Taxa Orienting Management Sustainability by Unifying Perspectives. EU COST Action (COST OC-2018-2-23202), chair: Sabina Burrascano, vice-chair: Péter Ódor, 56 235 Eur.
- 2020-2020. European scaled biodiversity pattern of dead wood inhabiting bryophytes in old-growth beech. Visegrad Found. Intra-Visegrad Scholarship 51910506. résztvevő, témavezető: Markéta Táborská. 8000 €
- 2022-2026. National Laboratory for Health Security, Invasion Biology Division. National Research, Development and Innovation Office (RRF-2.3.1.-21-2022-00006). Supervisor: Gergely Röst, Division supervisor: László Zsolt Garamszegi, 1 298 432 kHUF

International Fellowships:

- 1995: Austria, Karl Franz Universitát, 2 month, ÖAD Fellowship
 1997: USA, Colorado State University, 2 month, LTER - OTKA project
 2002: The Netherlands, ALTErrA Institute, 5 month, IAC Fellowship

Publications:

Scientific journals: 92 (14 as first and 37 as last author); Other journals: 23; Books: 4;
 Book chapters: 52; Conference presentations: 176; Impact factor: 166.775;
 Independent references: 3091; H index: 29

Ten selected publications (5 from the last five years):

- Elek, Z., Ruzickova, J., Ódor, P. 2022. Functional plasticity of carabids can presume better the changes in community composition than taxon-based descriptors. *Ecological Applications* 32(1): e02460. <https://doi.org/10.1002/eap.2460> , IF(2020): 4.657, Scimago rank (2020): D1 (23/392, Ecology),
- Tinya, F., Kovács, B., Bidló, A., Dima, B., Király, I., Kutszegi, G., Lakatos, F., Mag, Zs., Márialigeti, S., Nascimbene, J., Samu, F., Siller, I., Szél, Gy., Ódor, P. 2021. Environmental drivers of forest biodiversity in temperate mixed forests – a multi-taxon approach. *Science of the Total Environment* 795: 148720. <https://doi.org/10.1016/j.scitotenv.2021.148720> , IF(2020): 7.963, Scimago rank (2020): D1 (101/1724, Environmental Science).
- Tinya, F., Kovács, B., Aszalós, R., Tóth, B., Csépanyi, P., Németh, Cs., Ódor, P. 2020. Initial regeneration success of tree species after different forestry treatments in a sessile oak-hornbeam forest. *Forest Ecology and Management* 459: 117810. <https://doi.org/10.1016/j.foreco.2019.117810> , IF(2019): 3.170, D1(Scimago: Forestry).
- Kovács, B., Tinya, F., Németh, Cs., Ódor, P. 2020. Unfolding the effects of different forestry treatments on microclimate in oak forests: results of a 4-year experiment. *Ecological Applications* 30(2): e02043. <https://doi.org/10.1002/eap.2043> , IF(2019): 4.248, Scimago rank (2018): D1 (15/357, Ecology).

- Elek, Z., Kovács, B., Aszalós, R., Boros, G., Samu, F., Tinya, F., Ódor, P., 2018. Taxon-specific responses to different forestry treatments in a temperate forest. *Scientific Reports* 8, 16990. <https://doi.org/10.1038/s41598-018-35159-z> , IF: 4.011, Scimago rank (2017): D1(5/116, Multidisciplinary).
- Kovács, B., Tinya, F., Ódor, P. 2017. Stand structural drivers of microclimate in mature temperate mixed forests. *Agricultural and Forest Meteorology* 234: 11-21. <https://doi.org/10.1016/j.agrformet.2016.11.268> IF: 4.039, Scimago rank: D1 (2/159 Forestry).
- Ódor, P., Király, I., Tinya, F., Bortignon, F., Nascimbene, J. 2013. Patterns and drivers of species composition of epiphytic bryophytes and lichens in managed temperate forests. *Forest Ecology and Management* 306: 256-265. <https://doi.org/10.1016/j.foreco.2013.07.001> IF: 2.667, Scimago rank: D1 (Forestry).
- Király, I., Ódor, P. 2010. The effect of stand structure and tree species composition on epiphytic bryophytes in mixed deciduous– coniferous forests of Western Hungary. *Biological Conservation* 143(9): 2063-2069. <https://doi.org/10.1016/j.biocon.2010.05.014> , IF: 3.498, Scimago rank: D1 (Ecology, Evolution, Behavior and Systematics).
- Tinya, F., Mihók, B., Márialigeti, S., Mag, Zs., Ódor, P. 2009. A comparison of three indirect methods for estimating understory light at different spatial scales in temperate mixed forests. *Community Ecology* 10: 81-90. <https://doi.org/10.1556/ComEc.10.2009.1.10> , IF: 0.792, Scimago rank: Q1 (Ecology).
- Ódor, P., Heilmann-Clausen, J., Christensen, M., Aude, E., van Dort, K.W., Piltaver, A., Siller, I., Veerkamp, M.T., Walley, R., Standovář, T., van Hees, A.F.M., Kosec, J., Matočec, N., Kraigher, H., Grebenc, T. 2006. Diversity of dead wood inhabiting fungi and bryophytes in semi-natural beech forests in Europe. *Biological Conservation* 131: 58-71. <https://doi.org/10.1016/j.biocon.2006.02.004> IF: 2.854, Scimago rank: D1 (Ecology, Evolution, Behavior and Systematics).

Civil memberships, positions:

- 1997-, Hungarian Biological Society, member
- 1997-, International Association of Bryologist, member
- 2002- Pro Silva Hungaria Society, member, board member (2012-)
- 2002- Hungarian Ecological Society, member, board member (2012-), vice-president (2018-2021), president (2021-)
- 2006-2007, Secretary of the Organizing Committee, VII. Hungarian Ecological Conference
- 2006-, Society for Conservation Biology, member
- 2006-, Eötvös University Faculty of Science Doctoral School of Biology, supervisor
- 2007-, Hungarian Forestry Society, member
- 2008-2011, Conservation Biology Scientific Committee, Hungarian Academy of Sciences, member
- 2011-2014, Hungarian Committee of Forest Reserves, member
- 2012-, Hungarian Academy of Sciences, Ecological Scientific Committee, member, chair (2021-)
- 2016-2022, Hungarian Academy of Sciences, General assembly delegate
- 2018-, Doctoral and Habilitation Council, University of Sopron, member
- 2019-, Roth Gyula Forestry and Game Management Science PhD School, University of Sopron, core member
- 2019-, Hungarian Forestry Society, Continuous Cover Forestry Section (member, 2022 – board member)

2020-, International Association for Ecology, board member
2021-, National Research Development and Innovation Office, Council of Complex Environmental Sciences, member

Editor:

2007-, Community Ecology, member of the editorial board
2020-, Frontiers in Ecology and Evolution, Section Conservation and Restoration Ecology, Associate Editor

Awards:

1995. First prize, National Scientific Competition of Master Students.
1996. First prize, National Master Student Competition of Environmental Sciences.
1995-97. Prize Scholarship of the Hungarian Republic.
2001. Award of the Zólyomi Foundation.
2006. Postdoctoral Grant, Magyary Zoltán Higher Educational Public Foundation.
2007. Honorary Associate Professor, University of West-Hungary, Forestry Faculty
2007. Juhász-Nagy Pál Tutor Award, Eötvös University
2008. Bolyai János Scientific Fellowship, Hungarian Academy of Sciences
2013. Researcher award, MTA Centre for Ecological Research
2013 Bolyai János Scientific Fellowship, Hungarian Academy of Sciences
2017 Bolyai Plaque, Hungarian Academy of Sciences
2018 Honorary Professor, University of Sopron, Forestry Faculty
2020. "Pro Silva Hungariae" Award, Hungarian Ministry of Agriculture.
2020. "Juhász-Nagy Pál Tutor Award", Loránd Eötvös University, Institute of Biology.

Journal reviews:

Acta Silvatica et Lignaria Hungarica; Annals of Forest Science; Agriculture Ecosystem and Environment; Biodiversity and Conservation; Biological Conservation; Canadian Journal of Forest Research; Community Ecology; Ecography; Ecological Bulletins; Ecological Indicators; Erdészettudományi Közlemények; European Journal of Forest Research; Folia Geobotanica; Forest Ecology and Management; iForest; Journal of Bryology, Journal of Limnology; Journal of Vegetation Science; Kitaibelia; Lindbergia; Mycological Research; Oikos; Plant Ecology; Plant Ecology and Diversity; PlosOne; Scientific World Journal; Studia Botanica Hungarica, Természetvédelmi Közlemények; Web Ecology.

Proposal reviews:

Hungarian Science Foundation (OTKA, NKFI): 19
Czech Science foundation: 2
Polish Science foundation: 3
European Science Foundation: 1
Hungarian Academy of Sciences (Momentum and Postdoctoral Programs): 4
Postdoctoral Programme of the Hungarian Government: 7
Evaluation Panel member: Hungarian Science Foundation (2019, 2020), Polish Science foundation Diana 2 Panel (2020).