






PERSONAL INFORMATION

Nationality: Hungarian | Gender: male

Marital status: married with one child

 31 August 1987

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EDUCATION AND CAREER HISTORY

2019-ongoing: research fellow at MTA Centre of Ecological Research, Institute of Ecology and Botany, Vácrátót

2012-2019: assistant research fellow at MTA Centre of Ecological Research, Institute of Ecology and Botany, Vácrátót

2012-2013: research assistant at Department of Plant Systematics, Ecology and Theoretical Biology, Eötvös Loránd University, Budapest

2009-2012: Master of Science, Environmental Sciences, Eötvös Loránd University, Budapest

2006-2009: Bachelor of Science Environmental Sciences, Eötvös Loránd University, Budapest

2000-2006: Secondary School, Kaposvár

1994-2000: Grammar School, Kaposvár

WORK EXPERIENCE AND SCIENTIFIC EDUCATION

CURRENT POSITION

2014-: Participant researcher at MTA Centre for Ecological Research, Institute of Ecology and Botany (Forest Ecological Research Group) in the projects “*Experimental investigation of the effects of forestry treatments on the forest site, regeneration and biodiversity*” and “*Open-field experiments supporting ecologically sustainable forest management*”

ACADEMIC RESEARCH TRAINING

09/2013-09/2016: PhD scholarship (defence: 04/2019, result: *summa cum laude*) Eötvös Loránd University (Ecology, Conservation Biology and Systematics PhD Programme)

Research topic: The effect of management on microclimate in mature, managed forests: observational and experimental approaches

Supervisor: Péter Ódor DSc (MTA Centre for Ecological Research, Institute of Ecology and Botany, head of Department of Terrestrial Ecology, group leader of Forest Ecological Research Group) Institute: Department of Plant Systematics, Ecology and Theoretical Biology, Eötvös Loránd University, Budapest, Hungary

09/2009-07/2012: Master of Science

Environmental Sciences Eötvös Loránd University

Research topic: The effects of large-scale conversion from even-aged to continuous cover forestry by gap-cutting in the Királyrét forest directorate on natural regeneration

Supervisor: Tibor Standovár PhD (Associate professor, Head of Department of Plant Systematics, Ecology and Theoretical Biology)

Institute: Eötvös Loránd University, Department of Plant Systematics, Ecology and Theoretical Biology, Budapest, Hungary

09/2006-07/2009: Bachelor of Science

Environmental Sciences, Eötvös Loránd University

Research topic: Radioactivity of artificial materials

Supervisor: Ottó Csorba† (Engineer-lecturer, Department of Atomic Physics)

Institute: Eötvös Loránd University, Department of Atomic Physics, Budapest, Hungary

PROFESSIONAL EXPERIENCE

2012-2014: assistant at MTA Centre for Ecological Research, Institute of Ecology and Botany, Vácrátót, Hungary as a participant in project „*Traits for understanding plant community assembly: a new theoretical framework and testing with field data*” (OTKA K 83595); supervisor: Zoltán Botta-Dukát DSc

2012-2013: assistant research fellow at Department of Plant Systematics, Ecology and Theoretical Biology, Eötvös Loránd University, Budapest, Hungary as a participant in project „*Multipurpose assessment serving forest biodiversity conservation in the Carpathian region of Hungary*” (SH/4/13); supervisor: Tibor Standovár PhD

TEACHING EXPERIENCE

2021: Lectures in forest ecology, PhD course at Eötvös Loránd University, Hungary

2020: Methods in ecology at University of Veterinary Medicine, Budapest

2015-2016, 2018: Field practice in plant ecology for MSc students and foreign MSc students (in English) at Department of Plant Systematics, Ecology and Theoretical Biology, Eötvös Loránd University, Hungary

2013-2016: Plant systematics for BSc students at Department of Plant Systematics, Ecology and Theoretical Biology, Eötvös Loránd University, Hungary

2013-2015: Field practice in plant systematics for BSc students at Department of Plant Systematics, Ecology and Theoretical Biology, Eötvös Loránd University, Hungary



FELLOWSHIPS AND AWARDS

New National Excellence Program of the Ministry of Human Capacities (2017)

Outstanding Conference Poster at the 10th Hungarian Ecological Congress (2015)

Fellowship of the Hungarian Republic (2011-12, by the Ministry of National Resources of the Hungarian Republic for outstanding educational and scientific achievement)

Outstanding Student of the Faculty Award (2012, Eötvös Loránd University, Faculty of Science)

Third Prize at the Scientific Conference of Undergraduates (2012, Eötvös Loránd University, section: Environmental Sciences)

Special Prize at the Scientific Conference of Undergraduates (2010, Eötvös Loránd University, section: Ecology)

Special Prize at the 29th National Scientific Conference of Undergraduates (2009, Szombathely, section: Meteorology)

Member of the Bolyai College (2006-2013, Eötvös Loránd University, Faculty of Science)

Member of the Hungarian Ecological Society

SUPERVISORY EXPERIENCE

2021- : Bálint Zátyonyi – BSc: biology (University of Veterinary Medicine, Budapest)

2017-2019: Bence Tóth – MSc: biology-chemistry teacher (Eötvös Loránd University, Faculty of Science, Budapest)

LANGUAGE SKILLS

English (B2)

German (B2)

Hungarian (native)

SOFTWARE SKILLS

R & RStudio with RMarkdown

ArcGIS

QGIS

SQLite

Field-Map

Windows/ OS X, Office

SCIENTOMETRICS

Scientific journals: 17; Other journals: 3;

Book chapters: 4; Conference presentations: 38.

Impact factor: 50.926; Citations: 268; *h*-index: 8.

SELECTED PUBLICATIONS

Deák, B., Kovács, B., Rádai, Z., Apostolova, I., Kelemen, A., Kiss, R., Lukács, K., Palpurina, S., Sopotlieva, D., Báthori, F., Valkó, O. (2021). Linking environmental heterogeneity and plant diversity: the ecological role of small natural features in homogeneous landscapes. SCIENCE OF THE TOTAL ENVIRONMENT. 763: 144199. (SJR Scopus – Environmental Science: D1, IF 2019=6.551, citations: 4)

Táborská, M., Kovács, B., Németh, C., Ódor, P. 2020. The relationship between epiphytic bryophyte communities and microclimate. JOURNAL OF VEGETATION SCIENCE. 31: pp. 1170–1181. (SJR Scopus – Ecology: Q1, IF 2019=2.698, citations: 3)

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. (SJR Scopus – Forestry: D1, IF 2019=3.170, citations: 5)

Kovács, B., Tinya, F., Németh, C., & Ódor, P. (2020). Unfolding the effects of different forestry treatments on microclimate in oak forests: results of a 4-yr experiment. ECOLOGICAL APPLICATIONS, 30(2), e02043. (SJR Scopus – Ecology: D1, IF 2019=4.248, citations: 7)

Boros G., Kovács, B., Ódor P. (2019): Green tree retention enhances negative short-term effects of clear-cutting on enchytraeid assemblages in a temperate forest. APPLIED SOIL ECOLOGY 136: pp. 106-115 (SJR Scopus - Ecology: Q1, IF 2018=2.916; citations: 4)

Tinya F., Kovács, B., Prättälä, A., Farkas P., Aszalós R., Ódor P. (2019): Initial understory response to experimental silvicultural treatments in a temperate oak-dominated forest. EUROPEAN JOURNAL OF FOREST RESEARCH 138:(1) pp. 65-77. (SJR Scopus - Agronomy and Crop Science: D1, IF=2.409; citations: 16)

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 Paper: 16990, 10 p. (SJR Scopus - Multidisciplinary: D1, IF=4.122; citations: 19)

Erdős, L., Kröel-Dulay Gy., Bátori Z., Kovács, B., Németh Cs., Kiss P.J., Tölgyesi Cs. (2018): Habitat heterogeneity as a key to high conservation value in forest-grassland mosaics. BIOLOGICAL CONSERVATION 226: pp. 72–80. (SJR Scopus - Ecology, Evolution, Behavior and Systematics: D1, IF=4.660; citations: 36)

Kovács, B., Tinya F., Németh Cs., Guba E., Sass V., Bidló A., Ódor P. (2018): The short-term effects of experimental forestry treatments on site conditions in an oak–hornbeam forest. FORESTS 9(7): Paper 406. (SJR Scopus - Forestry: Q1, IF=1.956; citations: 14)

Kovács, B., Tinya F., Ódor P. (2017): Stand structural drivers of microclimate in mature temperate mixed forests. AGRICULTURAL AND FOREST METEOROLOGY 234-235: pp. 11–21. (SJR Scopus - Agronomy and Crop Science: D1, IF=4.039; citations: 65)

Lhotsky B., Kovács, B., Ónodi G., Csecserits A., Rédei T., Lengyel A., Kertész M., Botta-Dukát Z. (2016): Changes in assembly rules along a stress gradient from open dry grasslands to wetlands. JOURNAL OF ECOLOGY 104:(2) pp. 507–517. (SJR Scopus - Ecology, Evolution, Behavior and Systematics: D1, IF=5.810; citations: 54)

Standovár T., Szmorad F., Kovács, B., Kelemen K., Plattner M., Roth T., Pataki Zs. (2016): A novel forest state assessment methodology to support conservation and forest management planning. COMMUNITY ECOLOGY 17:(2) pp. 167–177. (SJR Scopus - Ecology: Q2, IF=0.782; citations: 8)