

Curriculum Vitae

Dr. Pavel Dan Turtureanu

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Nationality: Romanian | Age: 41

Education

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| 2009–2012 | PhD in Biology, Babeş-Bolyai University, Cluj-Napoca [<i>topic: Plant species diversity of nemoral forest gaps in the Trascău Mountains</i>] |
| 2003–2008 | Diploma in Forestry, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca [<i>topic: Phytosociological classification of larch communities in the Apuseni Mountains</i>] |

International research internships

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| 2023 (1 week) | Laboratoire d'Écologie Alpine, Université Joseph Fourier, France [<i>project: MUGO — Comprendre les causes et les conséquences de la dynamique du Pin mugo dans les Carpates</i>]. Funded by Agence Universitaire de la Francophonie. |
| 2022 (10 days) | LTSER Zone Atelier Alpes [<i>project: CHAT — Comparing thermal-based habitat patterns of alpine meadows in the Romanian Carpathians and the French Alps using ground temperature time series</i>]. Financed by eLTER PLUS TA. |
| 2016 (3 months) | Postdoctoral research, Laboratoire d'Écologie Alpine, Université Joseph Fourier, France [<i>project: Using a trait-based approach to reveal patterns in the functioning of alpine grasslands in Europe</i>]. Financed by the Government of the French Republic. |
| 2015 (2 weeks) | Laboratoire d'Écologie Alpine, Université Joseph Fourier, France [<i>project: ODYSSEE</i>]. Financed by UEFISCDI (Romania). |
| 2010 (5 months) | Biocenter Klein Flottbeck and Botanical Garden, University of Hamburg, Germany. PhD scholarship financed by the Sectorial Operational Programme Human Resources Development (Romania). |

Professional employment

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| 2021–present | Senior Researcher (CS II), Babeş-Bolyai University, “A. Borza” Botanic Garden |
| 2016–2021 | Researcher (CS III), Babeş-Bolyai University, “A. Borza” Botanic Garden |
| 2014–2016 | Research Assistant (ACS), Babeş-Bolyai University [<i>ODYSSEE project</i>] |
| 2013–2014 | Biologist, Babeş-Bolyai University [<i>conservation projects</i>] |
| 2013–2014 | Biologist, Institute of Biological Research [<i>conservation projects</i>] |
| 2008–2009 | Forestry Engineer, Forest Research and Management Institute (Romania) |
| 2007–2014 | Freelance consultant in botany |

Administrative and institutional responsibilities

2024–present	Senator, Babeş-Bolyai University Senate
2024	Organizer, “Frontiers Unbound: Exploring Extreme Environments” symposium (Cluj-Napoca), Emil Racoviță Institute, BBU
2023	Referee for a PhD thesis (botany)
2021	Member, Scientific Council of Babeş-Bolyai University
2019–present	Member, Biodiversity and Sustainable Development Committee (BBU)
2018–present	Member of doctoral thesis supervision committees (5 PhD students)
2017	Organizer, “Biogeography of the Carpathians” conference (Cluj-Napoca)
2016–present	Scientific coordinator, Systematic and Economic Sections, “A. Borza” Botanic Garden
2015	Organizer, “Two Days with DNA Metabarcoding” workshop (Cluj-Napoca)
2013–2014	Member, Project Implementation Unit (BBU conservation project)
2008–2009	Team leader, National Forest Inventory, Forest Research and Management Institute (Cluj-Napoca)

Research projects (project leader)

2025–2026	GreenMount (PN-IV-P2-2.1-TE-2023-0726) — Greening of the high mountains: long-term vegetation change in response to climate warming and land-use transformations. Funded by the Executive Agency for the Financing of Higher Education, Research, Development and Innovation (UEFISCDI).
2023–2024	MUGO (AUF34073/16.08.2026) — Comprendre les causes et les conséquences de la dynamique du <i>Pinus mugo</i> dans les Carpates. Funded by Agence Universitaire de la Francophonie, Babeş-Bolyai University (Romania), and CNRS (France).
2018–2020	MEMOIRE (PN-III-P1-1.1-PD2016-0925) — Fine-scale Monitoring of climate change Effects on the high-MountaIn gRassland Ecosystem in the Romanian Carpathians. Funded by UEFISCDI.

Research projects (member)

2019–2020	36244/12.12.2018 — Conserving the endemic flora of the Carpathian region. Funded by the Millennium Seed Bank Partnership, Kew Gardens.
2014–2016	PN-II-ID-JRP-RO-FR-2012 [<i>task leader: outreach and dissemination</i>] — Opening new avenues to model the dynamics of species assemblages by integrating ecology and evolution: a case study from mountain ecosystems of the Alps and the Carpathians. Funded by UEFISCDI (Programme Blanc International France–Romania).
2014–2016	BIODIVMOUNT (PN-II-CT-ROFR-2014-2-0011) — Patternuri biogeografice ale diversității în cadrul ecosistemelor munților înalți din Europa: o abordare multidisciplinară. Funded by UEFISCDI.

Long-term monitoring initiatives (member)

2016–2019	TeaComposition — Global litter decomposition study
2015–present	GLORIA (2022, MICROCLIM ERC project) — Global Observation Research Initiative in Alpine environments
2014–present	LTER — Long-Term Ecosystem Research and Monitoring
2008–2009	NFI — National Forest Inventory (Romania)

Teaching

2024–present	Databases for Metacommunity Ecology [<i>Master</i>]
2024–present	Remote Sensing in Ecology [<i>Master</i>]
2024–present	Databases for Conservation of Terrestrial Ecosystems [<i>Master</i>]
2024–present	Biodiversity and Climate Change Assessment [<i>Master</i>]
2021–present	Spatial Data Analysis in R [<i>PhD</i>]
2019–2023	Biogeography of Romania and Europe [<i>Master</i>]

Reviewing

Projects	Research project reviewer, PRELUDIUM 20 programme (Life Sciences), Polish Academy of Sciences
Peer-reviewed journals	Sci Total Environ; J Veg Sci; Appl Veg Sci; Ecosystems; Agric Ecosyst Environ; Tuexenia; Biologia; Hacquetia; Studia Biol Babeş-Bolyai Univ; Contribuții Bot; Alpine Botany

Publications

Profiles	Google Scholar Web of Science
Selected publications	<ul style="list-style-type: none">• Yue et al. (2026) — Contrasting thermophilization among forests, grasslands and alpine summits. <i>Nature</i>.• Turtureanu et al. (2025) — A landscape-scale analysis of shrub encroachment to unveil the complexity of greening in the Carpathian Mountains. <i>Environmental Research Letters</i>.• Turtureanu et al. (2023) — Extent of intraspecific trait variability in ecologically central and marginal populations of a dominant alpine plant across European mountains. <i>Annals of Botany</i>.• Turtureanu et al. (2020) — Biogeography of intraspecific trait variability in matgrass (<i>Nardus stricta</i>): High phenotypic variation at the local scale exceeds large scale variability patterns. <i>Perspectives in Plant Ecology, Evolution and Systematics</i>.• Turtureanu et al. (2014) — Scale- and taxon-dependent biodiversity patterns of dry grassland vegetation in Transylvania (Romania). <i>Agriculture, Ecosystems & Environment</i>.• Turtureanu & Dengler (2012) — Different aspects of plant diversity show contrasting patterns in Carpathian forest openings. <i>Plant Ecology</i>.

Awards

2025

Award for Excellence in Scientific Research, conferred by Babeş-Bolyai University