

Curriculum Vitae

Dr. Pavel Dan Turtureanu

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Nationality: Romanian

Age: 41

Education

- **2026** - Habilitation in Biology, Babes-Bolyai University, Cluj-Napoca
Topic: *Research on the ecology of plant ecosystems: from community diversity to species functional traits and landscape dynamics*
- **2009-2012** - PhD in Biology, Babes-Bolyai University, Cluj-Napoca
Topic: *Plant species diversity of nemoral forest gaps in the Trascau Mountains*
- **2003-2008** - Diploma in Forestry, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca
Topic: *Phytosociological classification of larch communities in the Apuseni Mountains*

International Research Internships

- **2026 (2 wks)** - Laboratoire d'Ecologie Alpine, Universite Joseph Fourier, France
Project: *GreenMount - Greening of the high mountains: long-term vegetation change in response to climate warming and land-use transformations*
Financed by UEFISCDI (Romania).
- **2023 (1 wk)** - Laboratoire d'Ecologie Alpine, Universite Joseph Fourier, France
Project: *MUGO - Comprendre les causes et les consequences de la dynamique du Pin mugo dans les Carpates*
Financed by Agence Universitaire de la Francophonie.
- **2022 (10 days)** - LTSER Zone Atelier Alpes
Project: *CHAT - Comparing thermal-based habitat patterns of alpine meadows in the Romanian Carpathians and the French Alps using ground temperature time series*
Financed by eLTER PLUS TA.

- **2016 (3 mos)** - Postdoctoral research, Laboratoire d'Ecologie Alpine, Université Joseph Fourier, France
Project: *Using a trait-based approach to reveal patterns in the functioning of alpine grasslands in Europe*
Financed by the Government of the French Republic.
- **2015 (2 wks)** - Laboratoire d'Ecologie Alpine, Université Joseph Fourier, France
Project: *ODYSSEE*
Financed by UEFISCDI (Romania).
- **2010 (5 mos)** - Biocenter Klein Flottbeck and Botanical Garden, University of Hamburg, Germany
PhD scholarship financed by the Sectorial Operational Programme Human Resources Development (Romania).

Professional Employment

- **2021-present** - Senior Researcher (CS II), Babes-Bolyai University, "A. Borza" Botanic Garden
- **2016-2021** - Researcher (CS III), Babes-Bolyai University, "A. Borza" Botanic Garden
- **2014-2016** - Research Assistant (ACS), Babes-Bolyai University
ODYSSEE project
- **2013-2014** - Biologist, Babes-Bolyai University
Conservation projects
- **2013-2014** - Biologist, Institute of Biological Research
Conservation projects
- **2008-2009** - Forestry Engineer, Forest Research and Management Institute (Romania)
- **2007-2014** - Freelance consultant in botany

Administrative and Institutional Responsibilities

- **2024-present** - Senator, Babes-Bolyai University Senate
- **2024** - Organizer, *Frontiers Unbound: Exploring Extreme Environments* symposium, Emil Racovita Institute, BBU, Cluj-Napoca
- **2023** - Referee for a PhD thesis (botany)
- **2021** - Member, Scientific Council of Babes-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 consequences de la dynamique du Pinus mugo dans les Carpates.
Funded by Agence Universitaire de la Francophonie, Babes-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)

- **2026-2030 - RECOVER** (PN-IV-P6-6.1-CoEx-2024-0124)
Romanian Centre of Excellence on Biodiversity, Ecosystem Services and Society.
Key person from Babeş-Bolyai University
Funded by UEFISCDI Romania.
- **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**
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.
Task leader: outreach and dissemination
Funded by UEFISCDI (Programme Blanc International France-Romania).
- **2014-2016 - BIODIVMOUNT** (PN-II-CT-ROFR-2014-2-0011)
Patternuri biogeografice ale diversitatii in cadrul ecosistemelor muntilor inalti din Europa: o abordare multidisciplinara.
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 [Master]
- **2024-present** - Remote Sensing in Ecology [Master]
- **2024-present** - Databases for Conservation of Terrestrial Ecosystems [Master]
- **2024-present** - Biodiversity and Climate Change Assessment [Master]
- **2021-present** - Spatial Data Analysis in R [PhD]
- **2019-2023** - Biogeography of Romania and Europe [Master]

Reviewing

- **Projects** - Research project reviewer, PRELUDIUM 20 programme (Life Sciences), Polish Academy of Sciences
- **Peer-reviewed journals** - *Science of the Total Environment*; *Journal of Vegetation Science*; *Applied Vegetation Science*; *Ecosystems*; *Agriculture, Ecosystems & Environment*; *Tuexenia*; *Biologia*; *Hacquetia*; *Studia Biologia Babes-Bolyai University*; *Contributii Botanice*; *Alpine Botany*

Publications

- **Profiles** - Google Scholar | Web of Science

Selected Publications

- Yue et al. (2026) - Contrasting thermophilization among forests, grasslands and alpine summits. *Nature*.
- Turtureanu et al. (2025) - A landscape-scale analysis of shrub encroachment to unveil the complexity of greening in the Carpathian Mountains. *Environmental Research Letters*.
- Turtureanu et al. (2023) - Extent of intraspecific trait variability in ecologically central and marginal populations of a dominant alpine plant across European mountains. *Annals of Botany*.
- Turtureanu et al. (2020) - Biogeography of intraspecific trait variability in matgrass (*Nardus stricta*): High phenotypic variation at the local scale exceeds large scale variability patterns. *Perspectives in Plant Ecology, Evolution and Systematics*.

- Turtureanu et al. (2014) - Scale- and taxon-dependent biodiversity patterns of dry grassland vegetation in Transylvania (Romania). *Agriculture, Ecosystems & Environment*.
- Turtureanu & Dengler (2012) - Different aspects of plant diversity show contrasting patterns in Carpathian forest openings. *Plant Ecology*.

Awards

- **2025** - Award for Excellence in Scientific Research, conferred by Babes-Bolyai University