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Research interest: I am a botanist, and my research focuses mainly on biogeography and alpine ecology. In particular, I am interested in the structure, functioning, and dynamics of alpine herbaceous ecosystems. My main research topics include: (i) the phylogeography and taxonomy of alpine plants in Europe, with a focus on the Carpathians; (ii) the spatial and temporal distribution of high-mountain species diversity within the European Alpine System; and (iii) long-term monitoring and the effects of climate change on the structure of alpine ecosystems.

PROFESSIONAL ACTIVITY

2024-present **Professor**, Department of Taxonomy and Ecology, Faculty of Biology and Geology, Babeș-Bolyai University in Cluj-Napoca (Romania)

2017-2024 **Associate Professor**, Department of Taxonomy and Ecology, Faculty of Biology and Geology, Babeș-Bolyai University in Cluj-Napoca (Romania)

2019-present **Director**, A. Borza Botanic Garden, Babeș-Bolyai University in Cluj-Napoca

2009-present **Senior Researcher (CSII)**, curator of CL Herbarium, A. Borza Botanic Garden, Babeș-Bolyai University in Cluj-Napoca (Romania)

2000-2009 **Biologist**, curator of CL Herbarium, A. Borza Botanic Garden, Babeș-Bolyai University in Cluj-Napoca (Romania)

1997–2000 **high school teacher**, Brassai Samuel Secondary School, Cluj-Napoca (Romania)

EDUCATION

2016 **Habilitation** at Babeș-Bolyai University, Cluj-Napoca, in the field of Biology

2000-2008 **Doctoral Studies**
Joint PhD (Cotutelle) between **Babeș-Bolyai University** (Cluj-Napoca, Romania) and **Université Joseph Fourier** (Grenoble, France – currently Université Grenoble Alpes)
- **Ph.D. in Biodiversity – Ecology – Environment** (*Diplôme National de Docteur Spécialité Biodiversité – Ecologie - Environnement*), **Université Joseph Fourier Grenoble**
- **Ph.D. in Biology**, Graduated *Summa Cum Laude* from **Babeș-Bolyai University**

1997–1998 **Master (Studii Aprofundate) in Biology (Biocenology)**, Faculty of Biology and Geology, Babeș-Bolyai University

1993–1997 **Bachelor of Science in Biology**, specializing in Biology, Faculty of Biology and Geology, Babeș-Bolyai University in Cluj-Napoca

ORGANIZATIONAL / MANAGERIAL SKILLS IN RESEARCH

PROJECT DIRECTOR/RESPONSIBLE (PI)

1. Project director

- **2014-2016 - ODYSSEE**, UEFISCDI-funded project (Romania) - via collaboration programme Romania-France - *Opening new avenues to model the DYNamics of Species aSsemblages by integrating Ecology and Evolution: a case study from the mountain ecosystems of the Alps and the Carpathians*
- **2015-2016 – BioDivMount**, UEFISCDI-funded project (Romania) - via collaboration programme Romania-France - *Biogeographical patterns of diversity in high mountain ecosystems in Europe: a multidisciplinary approach*
- **2010-2012 - Postdoc** CNCSIS-founded project (Romania): *Integrating phylogeny, phylogeography and distribution modelling in testing alternative biogeographical hypotheses: the alpine complex Carex curvula within the European Alpine System, as a study model*

2. Project responsible

(i) National Projects

- **2008-2011 - Carpatobiodiv** (MECT-funded project, Romania): *Study of the mountain flora in Romanian Carpathian in order to optimize the genetic and species biodiversity conservation strategies* (responsible for Partner 1, Babeş-Bolyai University, Project Leader Dr. Coldea Gheorghe ICB Cluj-Napoca)

(ii) International Projects

- **2019-2021 - Conserving the endemic flora of the carpathian region** (Project granted by ROYAL BOTANIC GARDENS, KEW – UK, Project leader: Dr Elinor Breman RBG Kew) - responsible for Partner 3, Babeş-Bolyai University
- **2022 – national responsible for UBB, Project ERC - MICROCLIM** (*A micro-scale perspective on alpine floras under climate change. Linking observations and models to improve our understanding of the future of European high mountain plants*, European Research Council –ERC - under the European Union’s Horizon 2020 research and innovation programme, Project Leader and PI Prof. Dr. Stefan Dullinger, University of Vienna)

COORDINATION OF LONG-TERM MONITORING NETWORKS

- **2014 – present:** Head of the Eastern Carpathians target region within the international **GLORIA project** (*The Global Observation Research Initiative in Alpine Environments* – <https://www.gloria.ac.at/>)
- **2014 – present: DEIMS-SDR Site Manager – Rodna Mountains Alpine Zone**, Romania (*Dynamic Ecological Information Management System – Site and Dataset Registry, part of the eLTER Research Infrastructure*), DEIMS iD: <https://deims.org/b6698523-3869-48d4-b6f5-34cd7be67fb8>

TEACHING

Lectures and laboratory classes for **Systematic Botany (Cormophytes)** – Bachelor level, and **Phylogeography** – Master level.

PUBLICATIONS

- 63 peer-reviewed publications (46 Web of Science), 5 books
- 7550 citations; h-index = 34 (Google Scholar)

See my full profile on

<https://scholar.google.ro/citations?user=VaFydREAAAAJ&hl=ro>

<https://www.webofscience.com/wos/author/record/C-4689-2012>

<https://orcid.org/0000-0002-2632-640X>

Cluj-Napoca,
15 January 2026