

BIOGRAPHICAL SKETCH

NAME: LUCAU-DANILA, Anca

POSITION TITLE : Associate Professor, Faculty of Science and Technology, Biology Dpt – Cité Scientifique SN2/311 - 59653 Villeneuve d'Ascq, France

Researcher in UMRt 1158 BioEcoAgro and Joint Laboratory CHIC41H University of Lille-Florimond-Desprez, Cité scientifique, 59655 Villeneuve d'Ascq, France

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EDUCATION/TRAINING

Institution and Location	Degree	Completion date	Field
University of Lille, France	HDR	2014	Omics
ENS Paris, France	Postdoc	2004	Omics
UCL Louvain-la-Neuve, Belgium	Postdoc	2000	Molecular biology
University Transilvania, Brasov, Romania	PhD	1996	Agronomy
University of Bucharest, Romania	M.S.	1991	Cell Biology
University of Bucharest, Romania	B.S.	1990	Biology

A. Positions, Scientific Appointments and Honors

2004 – Present	Assistant Professor in plant physiology, molecular biology and omics at the University of Lille (France)
2024 – Present	Director of the SOPHYA International Associated Laboratory (Soil and Physiology of Agronomic Plants), a collaboration between the University of Lille (ULille) and Alexandru Ioan Cuza University of Iași (UAIC)
2024 - Present	Team leader of “Chicory for one health” joint team (University of Lille and Florimond Desprez Co
2004 – Present	Head of Transcriptomic Platform of UMRt BioEcoAgro
2017 – 2023	Expert for ANSES project evaluations
2006-2009	Member of the Coordinator Board of the Summer School <i>Pathology and molecular pharmacology</i> at the University of Arad
2008 – Present	Associated Editor of <i>Annals of Forest Research</i> , ISSN: 1844-8135
2010 – 2018	Member of <i>Conseil Scientifique de l'Environnement du Nord Pas de Calais</i>
2018 – Present	Member of <i>Société Botanique du Nord de la France</i>

B. Contributions to Science

My scientific activities are organized into three main topics within BioEcoAgro:

- 1) transcriptomic responses of plants to biotic and abiotic stresses,
- 2) nutrigenomic studies based on DNA microarrays and RNA-seq, and
- 3) studies of microbial ecosystems in a One Health approach, based on metagenomic analyses.

I was the coordinator of 6 projects and participated in 6 other collaborative projects, which enabled me to supervise 12 PhD students, 6 postdoctoral researchers, and 26 trainees. These activities led to the publication of 37 peer-reviewed international manuscripts, 9 articles in national peer-reviewed journals, 1 book, and 1 book chapter. I have given 37 presentations at conferences and symposia (including 11 invited talks) and contributed to 32 poster presentations.

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Scopus ID: 6507895012 ; citations : 7,467 ; h index 16

C. Contributions to Teaching

Most of my teaching activities (lectures, tutorials, practicals, internship supervision, and student projects) are closely aligned with my research field and focus on functional genomics in microorganisms (yeast, bacteria), plants, and animals. I also develop topics related to genome and transcriptome analysis, molecular markers, nanotechnologies, synthetic biology, immunology, and infectious diseases.

For the past four years, I have also been teaching subjects related to changes in microbial ecosystems, the analysis of holobionts, microbiota, and dysbiosis through metagenomics and metatranscriptomics. These courses are intended for undergraduate students (third-year, L3), but primarily for master's students (M1 and M2 levels).

In parallel, I teach lectures, tutorials, and practicals, and supervise internships and projects in plant biology for students in the DEUST GNM (Multilingual Nature Guide) program, as well as for M2 students in the Master's program in Biodiversity, Ecology, and Evolution.