Dana Emanuela Tiodar (married Lushnykov)

[10/06/2024 - 12/06/2024] **options - Training School**

WORK EXPERIENCE	
[01/10/2020 – Current]	PhD Student
	Doctoral School of Integrative Biology, Babeș-Bolyai University
	City: Cluj-Napoca Country: Romania
	Research activities in bioinformatics, molecular biology, biochemistry and plant physiology:
	Plant and microorganisms cultivation, different media (hydroponics, in vitro, soil).
	Heavy metal treatment. Soil samples manipulation and analyses.
	DNA extraction and manipulation (PCR, electrophoresis, cloning), ARN extraction (qPCR), protein extraction (SDS-PAGE electrophoresis, enzyme activity measurements).
	Data collection and analysis (Biostatistics) and visualization (R). Bioinformatic analyses (Metabarcoding amplicon sequencing).
	Writing reports, review/ science papers.
[16/10/2023 – Current]	Research assistant
	ARAGORN - Achieving Remediation And GOverning Restoration of contaminated soils Now, HORIZON
	City: Cluj-Napoca Country: Romania
	eDNA sampling design, field sampling, data manipulation and analysis, bioinformatic processing of eDNA data
[01/10/2024 – Current]	University teaching assistant - Plant Biochemistry practical courses
	Babeș-Bolyai University, Faculty of Biology and Geology
	City: Cluj-Napoca Country: Romania
[07/12/2021 - 31/08/2022]	Research assistant
	BioPhyt Research Project - PN-III-P2-2.1-PED-2019-5254
	City: Cluj Country: Romania
	Research project "Decontamination of heavy metal polluted soils by exploiting the plant rhizosphere interactions." Project Director: Dorina Podar
[15/12/2021 - 14/03/2022]	Short Term Scientific Mission - Lab of Prof. Dr. Ute Krämer, Ruhr University
	COST Action 19116
	City: Bochum Country: Germany
[01/09/2020 - 31/10/2021]	Research fellowship - Prof. Dr. Ute Krämer Lab, Ruhr University
	Deutsches Bundesstiftung Umwelt (DBU) - MOE mobility
	City: Bochum Country: Germany
EDUCATION AND TRAIN- ING	
	Plant cultivation in metal polluted environments: soil-plant metal transfer assessment, human health exposure and risks, and phytomanagement

EU COST Action 19116

City: Cluj-Napoca | Country: Romania |

Open Course - Plotting Literacy for genomics: from raw data to plotting and

[27/11/2023 – 29/11/2023] **vice versa**

Babes-Bolyai University

City: Cluj-Napoca | Country: Romania |

[23/10/2023 - 25/10/2023] **Practical Course of Pathogen Genomics**

Babeș-Bolyai University

City: Cluj-Napoca | Country: Romania |

[03/07/2023 - 30/09/2023] Erasmus+ Traineeship - Bioinformatic Analyses of Environmental Samples

Biology Center of the Czech Academy of Sciences

City: Ceske Budejovice | **Country:** Czechia

[24/04/2023 - 26/04/2023] Advanced Genomic Techniques - Nanopore Technology - Course

Babeș-Bolyai University

City: Cluj | Country: Romania

[2016 – 2019] Master in Molecular Biotechnology

Faculty of Biology and Geology, Babeș-Bolyai University

City: Cluj-Napoca | Country: Romania

[2013 – 2017] Bachelor Degree in Biology, Biochemistry major

Faculty of Biology and Geology, Babeș-Bolyai University

[2008 – 2013] High School Diploma

Avram Iancu 2009 - 2013

City: Cluj-Napoca | Country: Romania |

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

German

LISTENING B1 READING B1 WRITING A2

SPOKEN PRODUCTION A2 **SPOKEN INTERACTION** A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

My Digital Skills

Microsoft Office | R (Rstudio) | PAST (Mulitivariate data analysis program) | Bash - Shell | Linux

PUBLICATIONS	
	Tiodar, E.D., Chiriac, C.M., Pošćić, F., Văcar, C.L., Balázs, Z.R., Coman, C., Weindorf,
	D.C., Banciu, M., Krämer, U. and Podar, D. (2024). Plant colonizers of a mercury contaminated site: trace metals and associated rhizosphere bacteria. Plant and
[2024]	Soil, pp.1-24.
	Tiodar, E. D., Văcar, C. L., & Podar, D. (2021). Phytoremediation and microorganisms-assisted phytoremediation of mercury-contaminated soils: Challenges and perspectives. International Journal of Environmental Research and Public Health,
[2021]	<u>18(5), 2435.</u>
CONFERENCES AND SEM- INARS	
[17/05/2024 – 18/05/2024]	BIOTA - Biodiversity, Traditions, and Present, 9th Edition Cluj-Napoca, Romania
	Oral Presentation "Insights into Plant Colonization in Mercury-Contaminated Sites: Trace Metals and Rhizosphere Microbiome Interactions" - awarded Best Oral Presentation for section Molecular Biotechnology - Health and Environment
[12/04/2024 – 13/04/2024]	The 2024 RoBioinfo Conferance - atendant Cluj-Napoca, Romania
[05/06/2023 – 06/06/2023]	BIO.T.A - biodiversity, traditions, and curent progress symposium Cluj-Napoca, Romania
	Oral Presentation "Screening spontaneous native flora for phytomanagement purposes at a heavily mercury contaminated polymetallic site"
[13/04/2023 - 14/04/2023]	COST CA 19116 Spring Meeting Smolenice Castle, Slovakia
	Poster "Plant Colonizers at a Former Chlor-Alkali Plant Brownfield: Trace Metals and Associated Rhizosphere Bacteria"
[21/10/2022 – 23/10/2022]	The International Conference of the Romanian Scociety for Cell Biology 2022 Cluj-Napoca, Romania
	Oral Presentation "Plant Colonizers of a Mercury Hotspot Site: Trace Metals and Associated Rhizosphere Bacteria"
VOLUNTEERING	7.530clated Mil203pHere Bacteria
[30/09/2024 – 30/09/2024]	ReCoNnect Researchers Night - Colours of pH Workshop Cluj-Napoca, Romania
[27/09/2024 – 27/09/2024]	European Researchers Night - How to extract DNA from fruits Workshop Cluj-Napoca, Romania
	Faculty of Biology and Geology, Babeș-Bolyai University
[30/09/2022]	European Researchers Night - DNA Extraction Workshop Cluj-Napoca
[28/07/2022 – 31/07/2022]	Teaching assistant at ROSE Summer School for high-school students Faculty of Biology and Geology, Babeş-Bolyai University
[14/09/2019 – 17/09/2019]	Teaching assistant in the training of the Saudi Arabia national team for the International Biology Olympiad Faculty of Biology and Geology, Babeş-Bolyai University

[2014 – 2016] **Assisting children with homework and learning** Casa familială "A-Mic", Centru de

plasament pentru copii, Cluj-Napoca, Strada Rarău, Nr. 24