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ACADEMIC EXPERIENCE

10/2024-Present **Teach@Tübingen Fellow**

Eberhard Karls Universität of Tübingen, Germany

Description

- Teaching: Cell Cultures and Electron Microscopy
- Research: Study of the interaction between plant-derived drugs and microtubules

03/2023-Present **Lecturer**

Babes-Bolyai University, Cluj-Napoca, Romania

Description

- Cell Cultures course for Industrial Biotechnology bachelor students and Molecular Biotechnology master students
- Histopathology and Electron Microscopy courses and laboratories for Medical Biology master students

04/2018-10/2024 **PostDoc Researcher**

National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania

Description:

- Biological sample preparation and analysis using light microscopy, transmission and scanning electron microscopy, and EDX spectroscopy (human normal and cancer cells, bacteria, plants etc.);

10/2021-02/2022

10/2020-02/2021

Associate teacher, biologist (hourly payment)

Babes-Bolyai University, Cluj-Napoca, Romania

Description:

- Cytology and microscopy practical laboratories.

EDUCATION AND TRAINING

25/02/2024-02/03/2024

14/06/2023-28/06/2023

Visiting scientist at: ZMBP-Cellular Nanoscience research laboratory,
University of Tübingen, Germany

09/2017 – 09/2021

Doctorate degree (Ph.D.): Integrative Biology, Biology and Geology
Faculty of 'Babes-Bolyai' University, Cluj-Napoca, Romania;

- *Vinca and Catharanthus plant extracts and their therapeutic potential applications; defended on 3rd of September, 2021; grade: Summa Cum Laude*

- 03/2019 – 06/2019 **Erasmus+ Research Exchange Program at:** ZMBP-Cellular Nanoscience research laboratory, University of Tübingen, Germany
- 10/2015 – 06/2017 **Master's degree:** Medical Biology, Biology and Geology Faculty of 'Babes-Bolyai' University, Cluj-Napoca, Romania; grade 10/10
- 10/2012 – 06/2015 **Bachelor's degree:** Biology, Science Faculty, 'Vasile Alecsandri' University, Bacau, Romania; graduated Valedictorian/head of promotion; grade 9.66/10
- 10/2009 – 06/2012 **High school degree:** 'Mihail Kogalniceanu' College, Galati, Romania and Sports High School, Bacau, Romania; baccalaureate degree with grade 9.40/10

PROFESSIONAL SKILLS

- Computer** **Applications:** Microsoft Suite, Google Docs, Image J, Origin Pro
C# - beginner level
Graphics: CorelDRAW
- Research**
 - Transmission and scanning electron microscopy; Interference reflection microscopy;
 - Microbiology; Cellular biology;

RELEVANT EXPERIENCE

- Member in research projects** **Starting with 2018, member in 6 research projects**, with various degrees of responsibilities (Project numbers: PN-III-P1-1.1-TE-2021-0358; PN-III-P1-1.1-TE-2021-0661; RO-NO-2019-0616; PN-III-P1-1.2-PCCDI-2017-0387; PN-III-P1-1.1-PD-2016-0484; PN II RU TE 2014-4-0608);
- Project proposals** **EMBO, Maria Skłodowska-Curie, and Alexander von Humboldt-Stiftung** postdoctoral fellowship applications
- Bachelor's and master's thesis supervision** **Supervised 10 Bachelor's students and 4 Master's students (2018-2023)**
- Conferences** **Participated at 11 conferences (5 international)** with either oral or poster presentations;
- Courses**
 - Psycho-pedagogical training study program
 - POCU 380/6/13/123886, Entrepreneurship for innovation through doctoral and postdoctoral research; 1 year course; won two prizes;
 - Creative engineering course; 6 intensive modules on virtual reality, 3D modeling and gaming using Blender, SolidWorks, Unity, and Visual Studio;
- Publications** **51 publications**, out of which **14** as main author ([Google Scholar](#))

AWARDS AND PRIZES

- Prizes**
 - **Gold medal** at the PROINVENT salon, 2020 (<https://proinvent.utcluj.ro/salon.html>);
 - **Main prize** at the third edition of National Conference of Doctoral Students (<https://conferinta.doctoranzi.geo.unibuc.ro/>);
 - **Main prize** at Individual Contest and **Second prize** at Team Contest organized by Entrepreneurial Program POCU 380/6/13/123886 (<https://fondurieuropea.centru.ubbcluj.ro/pocu-123886-antreprenoriat-pentru-inovare-prin-cercetare-doctorala-si-postdoctorala/>).