



Vlad Penciu

Place of birth: Brasov

Nationality: Romanian

Gender: Male

CONTACT

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europass

EDUCATION AND TRAINING

2024 – CURRENT Cluj-Napoca, Romania

● **PhD Student in Organometallic Chemistry (Cotutella)** Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering

2024 – CURRENT Rennes, France

● **PhD Student in Organometallic Chemistry (Cotutella)** Université de Rennes, Institut des Sciences Chimiques de Rennes

2022 – 2024 Cluj-Napoca, Romania

● **Master degree in Advanced Chemistry** Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering

Address Str. Arany János nr. 11, 400028, Cluj-Napoca, Romania |

Field of study Chemistry | **Final grade** 10 | **Level in EQF** EQF level 7 |

Type of credits ECTS | **Number of credits** 120 | **Thesis** "Sinteza și caracterizarea structurală a unor noi alcoxizi, siloxizi și oxizi staniu(IV)-organici" ("Synthesis and structural characterization of new organotin(IV) alkoxides, siloxides and oxides")

2022 – 2024

● **Psycho-pedagogical training study programme - Level 2** Babeş-Bolyai University, Faculty of Psychology and Educational Sciences

Address Str. Sindicatelor nr. 7, 400029, Cluj-Napoca, Romania |

Type of credits ECTS | **Number of credits** 35

2019 – 2022 Cluj-Napoca, Romania

● **Bachelor degree in Chemistry** Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering

Address Str. Arany János nr. 11, 400028, Cluj-Napoca, Romania |

Field of study Chemistry | **Final grade** 10 | **Level in EQF** EQF level 6 |

Type of credits ECTS | **Number of credits** 180 | **Thesis** "Sinteza de noi compuși triorganostaniu(IV) - caracterizare structurală și proprietăți coordinative" ("Synthesis of new organotin(IV) compounds - structural characterization and coordinative properties")

2019 – 2022

● **Psycho-pedagogical training study programme - Level 1** Babeş-Bolyai University, Faculty of Psychology and Educational Sciences

Address Str. Sindicatelor nr. 7, 400029, Cluj-Napoca, Romania |

Type of credits ECTS | **Number of credits** 35

2015 – 2019 Braşov

● **Bacalaureat Diploma** Colegiul de Științe ale Naturii "Emil Racoviță" Braşov

Address Str. Armoniei nr. 6, 500189, Braşov, Romania, Braşov |

Field of study Științele Naturii, intensiv engleză (Natural sciences, english intensive) |

Final grade 8.93

LANGUAGE SKILLS

MOTHER TONGUE(S): Romanian

Other language(s):

English

Listening C1

Spoken production C1

Reading C1

Spoken interaction C1

Writing C1

German

Listening A1

Spoken production A1

Reading A1

Spoken interaction A1

Writing A1

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

SKILLS

Microsoft Office | Mestre Nova (NMR) | Crystallographic software: Diamond | Thermo - Xcalibur | Oracle Virtual Machine | Windows/Linux/Kali

CONFERENCES AND SEMINARS

21/04/2021 – 24/04/2021 Cluj-Napoca

International Conference "Students for Students" XVIIth Edition

Oral Presentation: "Synthesis and characterization of two new triorganotin(IV) halides"

[Vlad Penciu](#), [Adrian-A. Someșan](#).

26/04/2023 – 30/04/2023 Cluj-Napoca

International Conference "Students for Students" XIXth Edition

Oral Presentation: "Synthesis and structural characterization of organotin(IV) compounds with Sn-O-E bonds (E=C, Si)"

[Vlad Penciu](#), [Adrian-A. Someșan](#).

26/05/2023 – 27/05/2023 Bucharest

Sesiunea de Comunicări Științifice Studentești, Ediția a XVIII-a

Oral Presentation: "Organotin(IV) compounds with Sn-O-E bonds (E=C, Si)"

[Vlad Penciu](#), [Adrian-A. Someșan](#).

15/05/2024 – 16/05/2024 Rennes

CoFRO - workshop on Coordination chemistry between France and Romania

Poster: "Formation of Sn-O bonds: novel organotin(IV) alkoxides and siloxides"

[Vlad Penciu](#), [Adrian-A. Someșan](#).

25/09/2024 – 27/09/2024 Târgoviște

"National Conference of Chemistry" XXXVII Edition

Oral Presentation

[Vlad Penciu](#), [Adrian-A. Someșan](#)

PUBLICATIONS

2025

[Organotin\(IV\) Alkoxides, Siloxides, and Related Stannoxanes. Characterisation and Thermogravimetric Studies](#)

V. Penciu, L. Bizo, R. A. Varga, A.-A. Someșan, Chemistry Open, 2025, e202400494

WORK EXPERIENCE

Babeş-Bolyai University Cluj-Napoca, Romania

Research Assistant

05/2025 – Current

Project PN-IV-P2-2.1-TE-2023-0141

Cluj-Napoca, Romania

Research in organometallic chemistry

2019 – Current

- working in organometallic and inorganic chemistry research laboratories as a B.Sc., M.Sc. and Ph.D. student;
- synthesis and structural investigation of new organometallic compounds with tetrels (Sn), pnictogens (Sb) or triels (Al, In)

Skills:

- Organic and inorganic synthesis (reaction design, execution, and workup);
- manipulation of air- and moisture-sensitive compounds (Schlenk techniques);
- Glovebox operation;
- Bruker NMR spectrometer operation (manual mode).

HOBBIES AND INTERESTS

Chemistry, Physics, Astronomy, Astrochemistry, Classical guitar