



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) Valentin / Badea

Address(es)

Telephone(s)

Fax(es)

E-mail

Nationality

Date of birth

Gender

Occupational field Education and research

Work experience

Dates February 2015 - present

Occupation or position held Lecturer

Main activities and responsibilities Course: Organic Chemistry I, Organic Chemistry II, Reaction of Organic Compounds, Analysis and Control by Spectroscopic Methods, Fine Organic Synthesis
Laboratory and Discussion Classes in: Advanced Techniques for Physico-Chemical Analysis, Analysis and Control by Spectroscopic Methods, Reaction of Organic Compounds
Research activity: organic chemistry, heterocyclic synthesis, NMR spectroscopy

Name and address of employer University Politehnica Timisoara, Faculty of Industrial Chemistry and Environmental Engineering; Str. Vasile Pärvan No. 6, Timișoara, România

Dates February 1998 – February 2015

Occupation or position held Assistant Professor

Main activities and responsibilities Course: Chemistry of Natural Compounds, Analysis and Control (Spectroscopic and Chromatographic methods)
Laboratory and Discussion Classes in: General Organic Chemistry, Chemistry of Natural Compounds, Spectroscopic Methods in Organic Chemistry, Reaction Mechanisms in Organic Chemistry, General Biochemistry.
Research activity in organic chemistry.

Name and address of employer University Politehnica Timisoara, Faculty of Industrial Chemistry and Environmental Engineering; Str. Vasile Pärvan No. 6, Timișoara, România

Type of business or sector Education and research

Dates May 1995 - February 1998

Occupation or position held Research Assistant

Main activities and responsibilities Chemical research

Name and address of employer National Institute of Research and Development for Electrochemistry and Condensed Matter, Str. Prof. dr. Aurel Păunescu Pödeanu No. 144, Timișoara

Type of business or sector	Research in organic chemical synthesis
Dates	October 1994 - May 1995
Occupation or position held	Research assistant intern
Main activities and responsibilities	Chemical research
Name and address of employer	Chemical Institute of Romanian Academy, Bvd. Mihai Viteazul No. 24, Timișoara
Type of business or sector	Research in organic chemical synthesis
Education and Training	
Dates	2004
Qualification /diploma obtained	Ph.D. degree / Ph. D. diploma
Disciplines/ professional competencies gained	Organic Chemistry / Title of thesis: "Synthesis and properties of heterocyclic compounds containing 1-4 N atoms", Scientific Director: Prof. Dr. Carol Csunderlik.
Name and type of educational institution	University Politehnica Timișoara, Faculty of Industrial Chemistry and Environmental Engineering
Dates	1995
Qualification/diploma obtained	Diploma of Master in Organic Chemistry
Disciplines/ professional competencies gained	Organic Chemistry / Specialization: "Fine Organic Synthesis Compounds"
Name and type of educational institution	University Politehnica Timișoara, Faculty of Industrial Chemistry and Environmental Engineering
Dates	1994
Qualification/diploma obtained	Engineer / Diploma of Bachelor
Disciplines/ professional competencies gained	Organic Chemistry / Specialization: "Organic Chemical Technology"
Name and type of educational institution	University Politehnica Timișoara, Faculty of Industrial Chemistry and Environmental Engineering
Dates	1988
Qualification/diploma obtained	Diploma of Graduation
Disciplines / professional competencies gained	
Name and type of educational institution	High-school "Traian" Drobeta Turnu-Severin
Expertise field	
Grants and fellowships:	2002 - A stage of one month at Department of Chemistry, University of Braunschweig, Germany, as part of a World Bank project. September 3-7, 2012 – Avance / TopSpin Basic NMR Training Course, Bruker BioSpin, Rheinstetten, Germany February 14-19, 2016 – AVANCE / TopSpin, Advanced Course, Bruker BioSpin GmbH, Rheinstetten, Germania.
Research and education programs	
Professional memberships	Member of the Romanian Chemical Society Member of Editorial Board of Referees of the Arkivoc Journal for Organic Chemistry
Peer review activity	
Personal skills and competences	

Mother language (s)	Romanian							
Other language(s)	(*) Common European Framework of Reference for Languages							
Self-assessment	Understanding				Speaking			Writing
European level (*)	Listening		Reading		Spoken interaction		Spoken production	
English	C1	Experimented user	C1	Experimented user	C1	Experimented user	C1	Experimented user
Social skills and competences	Team spirit Good communication skills, obtained as a result of teaching experience							
Organizational skills and competences	Organization of chemical documentation and chemical research Organization of laboratory practice Sense of organization, gained from the lab activities with students							
Technical skills and competences	Spectroscopic methods: FT-IR, UV-VIS, NMR, MS, GC-MS I work on a NMR Bruker instruments: AVANCE 500 MHz and FOURIER 300 MHz, I worked on a mass spectrometer Varian FINNIGAN MAT. Chromatographic methods: TLC, preparative column chromatography, GC, HPLC Organic synthesis of heterocyclic compounds and intermediates (1,2,4-triazoles, pyrazolo[5,1-c][1,2,4]triazoles, etc.) Natural compounds extraction, isolation and purification							
Other skills and competences	Computing abilities: Windows, Microsoft Office, Internet, ChemOffice, MestreNova, TopSpin							
Additional information	Driving license: B category							
Annexes	<ul style="list-style-type: none"> - Book published by Publishing Houses recognized at national level: Chemistry of Natural Compounds. Theoretical Concepts and Practical Applications, "Politehnica" Publishing House, Timișoara, 2011, ISBN 978-606-554-241-9 - 60 Articles published in national and international journals (ISI ranked and included in international data bases) - h-index = 19 (according to web of science, January 04, .2022) - Sum of times cited without self-citations = 234 (according to web of science, January 04, .2020) - Research grants: - Project Director: 1 national grant of scientific research of type PN-III-P2-2.1-PED-2019-3414 - Participation as a member in 6 national grants of scientific research of type CEEX and PN2 during the period 2005-present. - 2014 - Short-term expert for thematic workshops, within the POSDRU project for doctoral and postdoctoral fellowships ID 137070 ATTRACTING. Workshop theme: "Research and determination of the structure of organic compounds using 1D and 2D Nuclear Magnetic Resonance (NMR) spectroscopy" - Invited speaker at the 21th Central European NMR Symposium & Bruker users meeting, September 4-5, 2019, Belgrade, Serbia 							

Date: March 08, 2022