Keuropass	Curriculum Vitae	Dana-Maria SABOU
PERSONAL INFORMATION	Dana-Maria SABOU	
	የ 11 Arany János Street, Cluj-Napoca, 400028, Roma	nia
	+40-264.593.833 (ext. 5730)	
	🔀 dana.sabou@ubbcluj.ro	
	Sex F Date of birth 02/09/1972 Nationality Romanian	
POSITION	Lecturer	
WORK EXPERIENCE		
February 2018 - present	Lecturer	
rebitary 2010 - present	Babeş-Bolyai University, 1 Mihail Kogălniceanu Street, C https://www.ubbcluj.ro/; Faculty of Chemistry and Chemic Napoca, RO-400028, http://chem.ubbcluj.ro/	luj-Napoca, RO-400084, Romania, cal Engineering, 11 Arany János Street, Cluj-
	<i>Teaching:</i> courses of Chemical Kinetics, Advanced Chemistry of Colloids and Surfaces; lab courses an (chemical kinetics, chemistry of colloids and surface Coordination of graduation theses. <i>Research areas:</i> chemical kinetics; homogeneous elect various commercially available products; adsorption fro	Physical Chemistry: Chemical Kinetics, ad exercises of physical chemistry es; chemistry of macromolecules). tron transfer reactions; solubility, stability of m solution.
	Business or sector Education and research	
February 2003 - February 2018	University assistant	
	Babeş-Bolyai University, 1 Mihail Kogălniceanu Street, C https://www.ubbcluj.ro/; Faculty of Chemistry and Chemic Napoca, RO-400028, http://chem.ubbcluj.ro/	lluj-Napoca, RO-400084, Romania, cal Engineering, 11 Arany János Street, Cluj-
	<i>Teaching:</i> lab courses and exercises of physical ch colloids and surfaces; chemistry of macromolecules Joint coordination of graduation theses. <i>Research</i> in chemical kinetics and mechanisms of hom	emistry (chemical kinetics, chemistry of s, chemical structure, electrochemistry). nogeneous phase electron-transfer reactions
	Business or sector Education and research	
November 1998 – February 2003	Ph.D student (full-time)	
	Babeş-Bolyai University, 1 Mihail Kogălniceanu Street, C https://www.ubbcluj.ro/; Faculty of Chemistry and Chemic Napoca, RO-400028, http://chem.ubbcluj.ro/	luj-Napoca, RO-400084, Romania, cal Engineering, 11 Arany János Street, Cluj-
	<i>Teaching:</i> lab courses and exercises of physical chemis chemistry, macromolecules chemistry) <i>Research</i> in the area of chemical kinetics, specifically th	stry (mostly chemical kinetics, colloidal nat of redox reactions in solution.
	Business or sector Education and research	
November 1997 –November 1998	Trainee Researcher	
	Institute for Isotopic and Molecular Technologies Cluj-Nap for Research and Development of Isotopic and Molecular	poca, Romania (at present: National Institute r Technologies (INCDTIM); <u>http://ro.itim-cj.ro/</u>
	Test samples analysis by gas chromatography, applicat (calibration, optimization).	tions in production of gas chromatographs
	Business or sector Research	



Curriculum Vitae

EDUCATION AND TRAINING			
1998- 2011	Ph.D. in Chemistry Babeş-Bolyai University, Faculty of Chem Ph.D. thesis: <i>A kinetic study of the oxidati</i>	istry and Chemical Engineering, Cluj-Na on of thiols and mercapto-acids by transi	EQF 8 poca, Romania 'tional metal ions
1.03.2002-31.06.2002	Research fellowship Technical University Graz, Institute of Phy Romanian Government Scholarship Kinetic studies of fast steps within some	rsical and Theoretical Chemistry, Austria	
1.11.2000-31.01.2001 1.10.2001-31.01.2002	Research fellowships Technical University Graz, Institute of Phy CEEPUS (SK-102) scholarships Monitorization techniques for fast reaction	sical and Theoretical Chemistry, Austria	
1996-1997	Master of Science in Chemistry EQ Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania Specialisation: Modern Methods of Analysis and Control of the Environment and Product Quality Dissertation thesis: <i>Applications of spectrophotometrical methods in chemical kinetics. Evidence of</i> <i>intermediates.</i>		
1991-1996	Bachelor of Science in Chemistry Babeş-Bolyai University, Faculty of Chem Subject area: Chemistry and Physics Diploma thesis: <i>Kinetics of the oxidation</i>	and Physics istry and Chemical Engineering, Cluj-Naj reaction of benzylmercaptane with Cr(Vi	EQF 6 poca, Romania I).
1986-1990	High school graduate - Baccalaureate High School of Natural Sciences, Cluj-Napoca, Romania Section: Chemistry and Biology General education		EQF 4
PERSONAL SKILLS			
Mother tongue	Romanian		
Other language(s)	UNDERSTANDING	SPEAKING	WRITING

	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C2	C1	C1
French	A2	A2	A1	A1	A1
	Levels: A1/2: Basic user - Common European Fram				

Communication skills Very good communication skills, gained through teaching experience.



Curriculum Vitae

Organisational / managerial skills	Member in research teams. Coordinator of graduation theses. Part of the two-member team for making the timetable of the faculty (over 10 years).	
Job-related skills	Specific research methods in the field of chemical kinetics; ultraviolet and visible spectrophotometry; methods for monitoring fast reactions in solution (continuous and stopped-flow techniques), coupled with detection by spectrophotometry and/or ESR; gas chromatography. Peer reviewer.	
Computer skills	Good knowledge of Microsoft Office™ tools, Origin, specific software, internet browsing.	
Other skills	Interpersonal abilities, responsibility, attention to detail.	
ADDITIONAL INFORMATION		
Memberships	Romanian Chemical Society	
Selected publications	 DM. Sabou, I. Bâldea, "Kinetic and Mechanistic Features of the Thiolactic Acid Oxidation Chromium(VI) in Acidic Environment", Studia UBB Chemia, 2018, 63(4), 31-50. DM. Sabou, A. A. Csavdári, "Combined kinetic response of two substrates with similar reac patterns", Studia UBB Chemia, 2017, 62(1), 19-33. DM. Sabou, SA. Dorneanu, P. Ilea, "Spectral Graphite as Electrode Material for the Vanadium Redox Flow Battery", Studia UBB Chemia, 2015, 60(3), 193-203. DM. Sabou, I. Bâldea, "On the Oxidation of Glutathione by Chromium (VI) in Aquet Solution of Perchloric Acid", Studia UBB Chemia, 2013, 58(4), 81-99. I. Bâldea, DM. Sabou*, A. Csavdári, "Oxidation of 2-mercaptopropionic acid hexacyanoferrate-(III). Mechanistic interpretation on the basis of one-plus rate equation", Rev. Rot Chim., 2009, 54(10), 791-798. I. Bâldea, DM. Sabou, A. Csavdári, "One-Plus Rate Equation, an Useful Tool to Elucidate Reaction Mechanism", Studia UBB Chemia, 2007, 52(1), 19-34. DM. Sabou, I. Bâldea, "Kinetics of thiolactic acid oxidation by decavanadate and VO2 acidic media", Studia UBB Chemia, 2004, 49(1), 55-64. G. Grampp, S. Landgraf, T. Wesierski, B. Jankowska, E. Kalisz, DM. Sabou, B. Mladence "Kinetics of the formation of the blue complex, CrO(O₂)₂ formed by dichromate and H₂O₂ in a solutions. A stopped-flow investigation using rapid-scan UV-VIS detection", Monatsh. Chem., 20 (133(10), 1363-1372. G. Grampp, S. Landgraf, D. Sabou, D. Dvoranova, "Application of Marcus cross-relation mixed inorganic-organic redox couples. A stopped-flow study of the oxidation of N,N,N tetramethyl-p-phenylenediammine with various oxidants", J. Chem. Soc., Perkin Trans. 2, 2002, 1 180. I. Bâldea, D. M. Sabou, "A comparative study on the oxidation of hydroxy- and merca, compounds by Cr(VI)", Studia UBB Chemia, 2001, 46(1), 17-33. 	