



## Curriculum Vitae

### Personal information

Surname(s) / First name(s) Cobzac Simona Codruta Aurora  
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 Nationality(-ies) Romanian  
 Date of birth 27 August 1963

**Workplace / Occupational field** Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, ROMANIA/ engineer, lecturer, Dr.

### Work experience

	Dates	01.10.1987- 01.12.1990	01.12.1990- 24.02.1992	24.02.1992- 23.02.1998	23.02.1998-present
Occupation and position held		engineer	researcher	Teaching assistant	Lecturer
Main activities and responsibilities		Quality control of the products	Analyses of underground water and soils	<b>Teaching activity:</b> Qualitative and quantitative analytical chemistry, Environmental chemistry, Environmental analytical chemistry, Analytical control of products, Sample preparation - courses, laboratory work; scientific advisor for BSc and MSc diploma works <b>Research activity:</b> environmental analysis of water, soil, and vegetal material – pollutant determination; food additives determination (synthetic dyes); vegetal material analysis – bioactive compounds determination by TLC.	
Name and address of employer		Metallurgical Plant for non iron metals, IMMN, Baia Mare	Polytechnic Institute, Cluj-Napoca	Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca	
Type of business or sector activity		industry	research	university	university

### Education and training

Dates	09.2009– 06.2011	11.1994– 09. 2000	09.1982 - 06.1987
Title of qualification awarded	MSc diploma: Kinetotherapy of the locomotion system	Doctor diploma in chemistry	Engineer state diploma for

Name and type of organisation providing education and training	dieses Babeş-Bolyai University, Faculty of physical education and sports, Cluj-Napoca, Romania	Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania	chemistry Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania
<b>Personal skills and competences</b>			
Mother tongue(s)	Romanian		
Other language(s)	English, German		
Organisational skills and competences	Good organizer of students work in classes and laboratory; coordination of over 40 BSc and MSc diploma work; good organisation of laboratory equipment; coordination of the staff's research activity in laboratory; good capacity of socializing, establishing cordial relations with colleagues, both in Romania and abroad.		
Computer skills and competences	Good competence in PC utilization: Microsoft Office: Excel, Word, Power Point, Statistica		
Other skills and competences			
<b>Afiliation</b>	Member in Rumanian Chemical Society		
<b>Anexe</b>	List of published papers 2016-2021		

## List of published papers 2016-2021

1. Simona Codruta Aurora Cobzac, Neli Kinga Olah, Dorina Casoni, Application of HPTLC Multiwavelength Imaging and Color Scale Fingerprinting Approach Combined with Multivariate Chemometric Methods for Medicinal Plant Clustering According to Their Species, *Molecules*, **2021**, 26, 7225
2. Simona Codruța Aurora Cobzac, Tiberiu Frențiu, Bilijana Balabanova, Natalja Markova Ruzdik, Dorina Casoni, Regional Pattern and Characteristics of Essential Elements in Several Medicinal Plants Using Spectrometric Methods Combined with Multivariate Statistical Approaches, *Studia UBB Chemia*, LXVI(2), **2021**, 9-22
3. Dorina Casoni, Mihaela Badea, Simona Codruta Cobzac, Fish Roe Sample Preparation for Synthetic Food Dyes Determination by HPTLC, *Studia UBB Chemia*, LXVI(2), **2021**, 265-275
4. Covaci Eniko, Senila Marin, Leopold Florina, Olah Neli, Cobzac Simona Codruta Aurora, Ivanova Violeta, Balabanova Biljana, Cadar Oana, Becze Anca, Ponta Michaelaele, Mot Augustin, Frentui Tiberiu, Characterization of *Lycium Barbarum* L. Berry Cultivated in North Macedonia: A Chemometric Approach, *Journal of Berry Research*, 10, **2020**, 223-242
5. Simona Codruța Aurora Cobzac, Dorina Casoni, Mihaela Badea, Biljana Balabanova, Natalija Markova Ruzdik, Ultraviolet-Visible (Uv-Vis) Spectroscopy and Cluster Analysis as a Rapid Tool for Classification of Medicinal Plants, *Studia UBB Chemia*, LXIV(4), **2019**, 191-203,
6. Neli-Kinga Olah, Daniela Hanganu, Ede Bodokic, Radu Oprean, Claudia Toma, Claudiu Morgovan, Elisabeta Chișe, Andreea Brașovand, Simona Codruța Aurora Cobzac, Simion Gocan, Characterization of *Orthosiphon Stamineus* Benth Extracts by Reversed-Phase Thin Layer Chromatographic Methods, *Studia UBB Chemia*, LXII(3), **2017**, 9-18
7. Dorina Casonia, Neli Olah, Loredana Soran, Simona Codruta Aurora Cobzac, Comparison of Different Extraction Techniques for the Evaluation of Polyphenols Content in Summer Savory Extracts, *Studia UBB Chemia*, LXII(3), **2017**, 45-56
8. Neli-Kinga Olah, Ramona Burtescu, Sorina Petrescu, Andreea Brașovan, Elisabeta Chișe, Daniela Hanganu, Simona Codruța Aurora Cobzac, Phytochemical Screening of Different *Crataegus Oxyacantha* Extracts, *Studia UBB Chemia*, LXII(3), **2017**, 57-73
9. Dorina Casoni, Mihaela Badea, Ildiko Bros, Simona Codruta Aurora Cobzac, Investigation on Image Processing Parameters for Plate Evaluation in TLC Analysis Of Mycotoxins, *Studia UBB Chemia*, LXI(3), **2017**, 89-102
10. Maria Simion, Dorina Casoni, Simona Codruta Aurora Cobzac, Image Analysis Approaches to Improve the Thin Layer Chromatography – Chemometric-Based Investigations of Natural Extracts, *Studia UBB Chemia*, LXII(2), **2017**, 67-80
11. Elisabeta Chișe, Ramona Flavia Câmpean, Simona Codruta Cobzac, Daniela Hanganu, Neli Olah, Violeta Turcuș, Aurel Ardelean, Quality Control Parameters of *Ribes Nigrum* L. Buds for Establishing the Optimal Harvesting Period, *Studia UBB Chemia*, LXI(4), **2016**, 285-294
12. Mihaela Badea, Laura Florian, Patrizia Restani, Simona Codruta Aurora Cobzac, Marius Moga, Ochratoxin A Detection on Antibody-Immobilized on BSA-Functionalized Gold Electrodes, *PLOS ONE*, DOI:10.1371/journal.pone.0160021 July 28, **2016**

02.12.2021

Lector Dr.  
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