



## Curriculum Vitae

### Informatii personale

Nume si prenume	Cobzac Simona Codruta Aurora
Adresa	Str.Cardinal Iuliu Hossu 18/B, 400028, Cluj-Napoca, Romania
Telefon	-
Fax(es)	-
E-mail	codruta.cobzac@yahoo.com
Nationalitate	Romana
Data si locul nasterii	27 August 1963, Cluj-Napoca
Loc de munca/ Ocupatia	Universitatea Babes-Bolyai, Facultatea de Chimie si Inginerie Chimica, Cluj-Napoca, cadru didactic universitar (lector, Dr)

### Experienta

Perioada	01.10.1987- 01.12.1990	01.12.1990- 24.02.1992	24.02.1992- 23.02.1998	23.02.1998-present
Pozitia ocupata	inginer	cercetator	asistent	lector

### Activitati didactice desfasurate la nivel Licenta si Master:

-cursuri/laboratoare: Chimie analitica calitativa si cantitativa, Metode de separare, Chimia mediului, Analiza chimica a mediului, Controlul chimic al calitatii produselor alimentare, Controlul analitic al calitatii produselor organice, Metode de prelevare si pregatire a probelor, Metode de analiza si controlul produselor farmaceutice si fitofarmaceutice.  
-conducator stiintific: lucrari de Licenta si Dizertatie.

**Activitate stiintifica:** determinarea unor poluanti din probe de mediu (apa, sol, material vegetal), determinarea colorantilor sintetici din alimente, determinarea compusilor bioactivi din plante medicinale, metode chemometrice de analiza multivariata a datelor.

Numele angajatorului	Intreprinderea Metalurgica de Metale Neferoase, Baia Mare	Institutul Politehnic, Cluj-Napoca	Universitatea Babes-Bolyai, Facultatea de Chimie si Inginerie Chimica, Cluj-Napoca
Sector activitate	industrie	cercetare	invatamant

### Educatie

Perioada	09.2009– 06.2011	11.1994– 09. 2000	09.1982 - 06.1987
Titlul obtinut	Diploma masterat:	Diploma	Diploma de stat

Kinetoterapia afectiunilor  
aparaturii locomotor

Doctor in Chimie

Inginer Chimist

Numele si tipul  
organizatiei care a  
acordat diploma

Universitatea Babes-Bolyai,  
Facultatea de Educatie Fizica  
si Sport, Cluj-Napoca

Universitatea Babes-Bolyai, Facultatea de  
Chimie si Inginerie Chimica, Cluj-Napoca

Limba materna

Romana

Alte limbi

Engleza, germana

Competente si abilitati  
organizationale

Bun organizator al activitatilor didactice si de cercetare  
Abilitatea de a se acomoda in diverse colective de cercetare  
Capacitatea de a dezvolta relatii colegiale cu cercetatori romani si din  
strainatate.

Alte competente

Operare pe PC utilizare programe specifice domeniului de activitate si  
programe Micro Soft: Word, Excel, PowerPoint, PhotoScape, Statistica.

Afiliere Societati  
profesionale

Membru - Societatea de Chimie din Romania

**Anexe**

1. Lista articolelor publicate 2017-2021

## Articole 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 Michaela, 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 Brașovan, 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 Casoni, 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.  
Simona Codruta Aurora Cobzac