

## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s) **ANDREA BUNEA**  
 Address(es) Cluj-Napoca, Mănăştur Street 3-5, 400372, Cluj-Napoca  
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 Fax(es) +40 264 593792  
 E-mail andrea\_bunea@yahoo.com  
 Nationality Romanian  
 Date of birth 22.04.1974  
 Gender Female

**Desired employment / Occupational field** (remove if not relevant, see instructions)

### Work experience

Dates Lecturer – since 2005  
 Teaching Assistant (since 1999), Department of Biochemistry, Animal Husbandry Faculty, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca  
 Occupation or position held Lecturer PhD  
 Main activities and responsibilities (Practicals in Biochemistry, Organic Chemistry and Enzimology – with the first and second year students)  
 Name and address of employer University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca  
 Type of business or sector Teaching

### Education and training

Dates 2002 Socrates Fellowship (3 months), Biophysics Laboratory, Bremen University, Germany (Prof. Dr. H. Diehl)  
 2003 (2 months) Fellowship in Gent University, Belgium (Prof. Dr. John VanCamp)  
 2004 (2 months) Fellowship in Gent University, Belgium (Prof. Dr. John VanCamp)  
 2005 (2 months) Fellowship in Gent University, Belgium (Prof. Dr. John VanCamp)  
 2004, 1998-1999/ 1993-1998/ 1989-1993/  
 Title of qualification awarded PhD in Biotechnology/ Master degree/ Chemical engineering Diploma/ Bachelor of Arts

Principal subjects/occupational skills covered	Biotechnology/Organic and general chemistry, Biochemistry																																
Name and type of organisation providing education and training	USAMV Cluj-Napoca, Chemical and Chemical Engineering Faculty, Babes-Bolyai University, Emil Racovita Highschool, Cluj-Napoca																																
Level in national or international classification																																	
<b>Personal skills and competences</b>																																	
Mother tongue(s)	<b>Romanian</b>																																
Other language(s)	<b>English</b>																																
Self-assessment																																	
European level (*)																																	
<b>Language</b>																																	
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	<table border="1"> <thead> <tr> <th colspan="2">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> </tr> </thead> <tbody> <tr> <td>B<sub>2</sub></td> <td></td> <td>B<sub>2</sub></td> <td></td> <td>B<sub>2</sub></td> <td></td> <td>B<sub>2</sub></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Understanding		Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production		B <sub>2</sub>		B <sub>2</sub>		B <sub>2</sub>		B <sub>2</sub>									
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	(*) <a href="#">Common European Framework of Reference for Languages</a>																																
Social skills and competences	<p>Project Manager:  <b>2003-2004 – Theme</b> : “Separation, characterization and enzymatic hydrolysis of some carotenoid esters with biomedical applications”  CNCSIS, AT, nr.64, cod: 62</p> <p><b>2010-2013 – Theme</b> :“TESTING THE ANTIOXIDANT, ANTIPROLIFERATIVE AND PROAPOPTOTIC PROPERTIES OF BLUEBERRY POLYPHENOL EXTRACT ON TUMORAL CELL CULTURE”  CNCSIS, TE, nr.168</p>																																
Organisational skills and competences	Enzymatic hydrolysis, High Performance Liquid Chromatography, Polyphenols																																
Technical skills and competences	Word, Excell, Power point, Adobe, Chemwin, Origin																																
Computer skills and competences																																	
Artistic skills and competences																																	
Other skills and competences																																	
Driving licence	No																																
<b>Additional information</b>	65 articles published: 5 – ISI - 4 books ( co-autor)																																
<b>Annexes</b>	List any items attached. (Remove heading if not relevant, see instructions)																																

## 1. Publications (selected list)

**In Romanian:** 4 books

**International:** 5 articles *in extenso* in international journals and International Conference Proceedings

Books:

1. Augusta Lujerdean, Andrea Varga – Laboratory methods and techniques in biochemistry, Ed. AcademicPres, Cluj-Napoca, 2002 (in romanian).
2. Augusta Lujerdean, Andrea Varga – Biochemistry, Ed. Napoca Star, Cluj-Napoca, 2003. (in romanian).
3. Augusta Lujerdean, Andrea Varga – General and organic chemistry, Ed. Todesco, Cluj-Napoca, 2004 (in romanian).
4. Augusta Lujerdean, Andrea Bunea – Water and soil chemistry, Ed. AcademicPres, Cluj-Napoca, 2005 (in romanian).

Publications (selected list):

- Pinteada Adela, **Andrea Varga**, Piotr Stepnowski, C.Socaciu, Monica Culea, Horst A. Diehl, Chromatographic analysis (HPLC, GC) of Carotenol Fatty Acids Esters in *Physalis alkekengi* and *Hippophae rhamnoides*, *Phytochemical Analysis*, 2005, 16, 188-195.
- Neacsu M., **Varga A.**, Socaciu C., Van Camp J., Analysis of Antioxidant Phytochemicals From Brussels Sprout, 10<sup>th</sup> Symp. Appl. Biology, September 2004 Gent, Comm.Agr.Appl.Biol.Sci., 69, 2004, 257-261.
- Ion Grosu, Loic Toupet, Gerard Ple, Sorin Mager, Eugen Mesaros, **Andrea Varga**, Elena Bogdan, Synthesis and Stereochemistry of Novel Dibrominated 1,5-Dioxaspiro[5.5]undecane Derivatives , Monatshefte fur Chemie-Chemical Monthly, vol 131, 277-286, 2000.
- **Andrea Bunea**, Mirjana Andjelkovic, Carmen Socaciu, Otilia Bobis, Madalina Neacsu, Roland Verhé, John van Camp – *Total and individual carotenoids and phenolic acids in fresh, refrigerated and processed spinach (Spinacia oleracea L.)*, Food chemistry 108 (2008), 649-656
- **Andrea Bunea**, Dumitrița Rugină, Zorița Sconța, Raluca M Pop, Adela Pinteada, Carmen Socaciu, Flaviu Tăbăran, Charlotte Grootaert, Karin Struijs, John VanCamp. Anthocyanin determination in blueberry extracts from various cultivars and their antiproliferative and apoptotic properties in B16-F10 metastatic murine melanoma cells, *Phytochemistry*, 2013, <http://dx.doi.org/10.1016/j.phytochem.2013.06.018>, 95, 436-444;
- Claudiu Ioan Bunea, Daniela Popescu, **Andrea Bunea**, Marin Ardelean, Variation of attack degree of downy mildew (*Plasmopara viticola*) in five wine grape varieties, under conventional and organic control treatments, *Journal of Food, Agriculture & Environment* Vol.11 (3& 4 ) : 1 1 6 6 - 1 1 7 0 , 2 0 1 3, Helsinki, Finlanda.
- **Andrea Bunea**, Dumitrița Rugină, Adela Pinteada, Sanda Andrei, Raluca Pop, Claudiu Bunea, Constantin Bele, Carotenoid and fatty acids profile of bilberries and cultivated blueberries from Romania. *Chemical Papers*, 2012, 66(10), 935-939
- FRANCISC VASILE DULF, SANDA ANDREI, **ANDREA BUNEA**, CARMEN SOCACIU, Fatty acid and phytosterol contents of some Romanian wild and cultivated berry pomaces, *Chemical Papers*, 2012, 10 pag., DOI: 10.2478/s11696-012-0156-0

Cluj-Napoca,  
20.09.2014