

## Europass Curriculum Vitae



### Personal information

**First name(s) / Surname(s)** **Pinteana Adela Mariana**  
**Address(es)** Mănăştur 3-5, 400372, Cluj-Napoca, România  
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**Fax(es)** +40264593792  
**E-mail** [apinteana@usamvcluj.ro](mailto:apinteana@usamvcluj.ro); Adela\_Pinteana@yahoo.com  
**Nationality** Romanian  
**Date of birth** 10.08.1965

### Education and training

<p><b>Dates</b> <b>1985 - 1991</b></p> <p><b>Title of qualification awarded</b> Chemical engineer</p> <p><b>Principal subjects/occupational skills covered</b> Chemistry and Engineering of Organic Substances</p> <p><b>Name and type of organisation providing education and training</b> „Babeş-Bolyai” University, Faculty of Chemistry and Chemistry Engineering</p> <p><b>Level in national or international classification</b> Bachelor (Serie I, nr. 16166)</p>	<p><b>Dates</b> <b>1993 - 2001</b></p> <p><b>Title of qualification awarded</b> PhD Chemistry</p> <p><b>Principal subjects/occupational skills covered</b> Analytical chemistry (chromatography), biochemistry</p> <p><b>Name and type of organisation providing education and training</b> „Babeş-Bolyai” University, Faculty of Chemistry and Chemistry Engineering</p> <p><b>Level in national or international classification</b> PhD (Serie B, nr. 0000686)</p>
<p><b>Dates</b> <b>2017</b></p> <p><b>Title of qualification awarded</b> Habilitation</p> <p><b>Principal subjects/occupational skills covered</b> Biotechnology</p> <p><b>Name and type of organisation providing education and training</b> University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca</p> <p><b>Level in national or international classification</b> Habilitate (Ordin ministru Nr. 5110, 29.09.2017)</p>	

## Work experience

Dates	<b>2013 up to present</b>
Occupation or position held	Professor
Main activities and responsibilities	Lectures and practicals of Chemistry and Biochemistry
Name and address of employer	Faculty of Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca
Type of business or sector	Teaching and Research
Dates	<b>2005 -2013</b>
Occupation or position held	Associate professor
Main activities and responsibilities	Lectures and practicals of Chemistry and Biochemistry, Organic Chemistry, Food Chemistry
Name and address of employer	Faculty of Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca
Type of business or sector	Teaching and Research
Dates	<b>1999-2005</b>
Occupation or position held	Lecturer
Main activities and responsibilities	Lectures and practicals Chemistry, Biochemistry, Enzymology
Name and address of employer	Faculty of Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca
Type of business or sector	Teaching and Research
Dates	<b>1992-1999</b>
Occupation or position held	Teaching Assistant
Main activities and responsibilities	Practicals of Chemistry and Biochemistry
Name and address of employer	Faculty of Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca
Type of business or sector	Teaching and Research

## Teaching mobility and trainings

**December 1993 – mai 1994:** Tempus fellowship (individual mobility for teaching staff) in Laboratory of Plant Cellular Physiology, University I Bordeaux, France

**September 2001:** Erasmus teaching staff mobility, Faculty of Veterinary Medicine, Lisbon, Portugal

**Mai 2017:** Erasmus teaching staff mobility, Faculty of Veterinary Medicine, Cordoba, Spain

**Mai 2018:** Erasmus teaching staff mobility, Ecole Nationale Veterinaire D'Alfort, Paris, France

**November 2015:** "Program postuniversitar de formare și dezvoltare profesională " Dezvoltarea programelor de studii universitare și metode inovative de predare învățare în scopul creșterii relevanței calificărilor la nivelul învățământului superior – 4 credite; Certificat seria CA Nr. 0002372

## Research Fellowships and trainings

**August 1994 – September 1994:** Advanced Course in Chemistry of Natural Compounds, Institute of Organic Chemistry, University of Bern, Switzerland (2 months)

**March 1999 – May 1999:** Specialized Higher Education Course in Chemistry of Plant Compounds, University I Bordeaux, France (3 months)

**2002 – 2006:** Invited researcher, Post-Doctoral Research fellowships, University of Bremen, Institute of Biophysics, Germany, (totally 5 months)

**September 2012:** Course on Advances in Extraction Technologies (ExTech), School of Science, University of Messina, Italy

**Other teaching related activities**

Coordinator of Food Control and Security specialization (2010-2015)  
Participation in elaboration of SET for EAEVE accreditation of Faculty of Veterinary Medicine Cluj-Napoca (2014) and ARACIS evaluation 2015 (member of the team)  
3 PhD student enrolled  
Member in supervising committee of > 10 PhD students  
3 PhD students financed from Research projects (Dumitrita Rugina, Raluca Pop, Andreea Elena Pop)  
Official reviewer for 38 PhD thesis (USAMV Cluj; UBB Cluj-Napoca, UASMV Iași, UMF Cluj-Napoca) and 2 Habilitation thesis  
Coordinator of PostDoctoral Project (Socaci Sonia; POSDRU 60746, 2010-2013)  
Coordinator of 20 bachelor thesis  
Coordinator of Erasmus placement fellowship

**International collaboration in teaching and research**

University of Milano, Italy  
University of Messina, Italy  
Ecole Veterinaire D'Alfort , France  
University of Lublin, Poland  
Luxembourg Institute of Health

**Research projects**

9 Research projects: 6 as director; 3 as partner project manager  
600,000 Euro

Program and project number	ANSTI-T,
Period	2000-2001
Project title	Dynamics of lipophilic compounds accumulation in <i>Calendula officinalis</i> L (40.000 mii lei)
Program and project number	ANSTI Tip L
Period	2000-2001
Project title	Dynamics of terpenes accumulation in <i>Calendula officinalis</i> L
Program and project number	CNCSIS Tip A, 583
Period	2002-2004
Project title	Characterization and in vivo testing of polyunsaturated oil from <i>Calendula officinalis</i> L seeds (100.500 mii lei)
Program and project number	CNCSIS Tip A, 796
Period	2005-2007
Project title	In vitro testing of incorporation rate of carotenoids and their effect in RPE cell culture (450.000 mii lei)
Program and project number	PNCD II Idei ID_854
Period	2007-2010
Project title	Evaluation of potential antioxidant effect of some natural compounds (carotenoids and polyphenols) in cultured RPE cells (717.000 RON)
Program and project number	PN-II-ID-PCE-2011-3-0721
Period	2011-2014
Project title	Impact of esterification on the stability and antioxidant capacity of xanthophylls – from model systems to food systems (1.363.250 RON)
Program and project number	CEEX 161/2006, Partner project manager
Period	2006-2008
Project title	Biomarkers use in diagnosis and control research (BiomarkDiag) (150.000 RON)
Program and project number	CEEX-06-11-61/2006; Partner project manager
Period	2006-2008
Project title	Assessment of ecophysiological and cyto-genotoxic effects of several xenobiotics in polluted aquatic ecosystems (CITOGENOTOX) (99.989 RON)
Program and project number	PN II 51-067, Partner project manager

Period	2007-2010
Project title	Biodiversity conservation and characterization of apple genetic resources for gene bank preservation (CRIOGENBANC) (119.704 RON)
<b>Research projects as member</b>	Member in >20 national and 4 international research project
Program and project number	NATO Res. Project Ref.LST.CLG. 977807
Period	2001-2004
Project title	Extraction and Incorporation procedures for Carotenoid Pigments in Different Food and Drug matrices
Program and project number	FP5 CRAFT G5ST-CT
Period	2003-2005
Project title	Innovative Products obtained from Seabuckthorn
Program and project number	Bilateral Research Collaboration, Germany-Romania (DAAD)
Period	1997-2004
Project title	Investigations on food pigment actions on eye cell metabolism
Program and project number	COST CA15136
Period	2016-2020
Project title	European network to advance carotenoid research and applications in agro-food and health (EUROCAROTEN); MC substitute
<b>Patents</b>	-
<b>Articles</b>	<b>48</b> articles (extenso) in ISI journals with impact factor (15 as main author); <b>21</b> articles in ISI proceedings (extenso); <b>6</b> editorials in ISI indexed journals; <b>74</b> in extenso in journal indexed in other databases and other journals; <b>32</b> as abstract in proceeding books <b>Citations (excluding self-citations): &gt; 750</b> (Web of Science; without self-citation); >1100 in google scholar <b>Hirsch index 18 (Web of Science)</b> ResearcherID: C-4521-2011; <a href="http://orcid.org/0000-0002-9914-2070">http://orcid.org/0000-0002-9914-2070</a> ; brainmap U-1700-034Z-2615
<b>Conferences</b>	International Symposium Prospects for the 3rd Millenium Agriculture Cluj-Napoca, 2000-2017 International Symposium on Carotenoids, 2011 - Cracovia; 2014 - Park City, USA, 2017 – Lucerne International Congress "Pigments in Food": 2004 - Quimper, Franta; 2007- Hohenheim, Germania; 2010 - Budapesta; 2013 - Novara, Italia; 2016 - Cluj-Napoca Euro Fed Lipid Congress: 2002 - Strasbourg; 2006 - Madrid; 2007 - Gothenburg, 2008 - Atena; 2012 – Cracovia Belgrade Food International Conference – Food, health and well being, 2012, Belgrad 14th International Symposium on Advances in Extraction Technologies, 2012, Messina, Italia 21 International Symposium on Separation Sciences, 2015, Ljubljana, Slovenia Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology: 2007; 2017 - Timișoara, 2008 - Constanța, 2009 - Cluj; 2010, 2015 - București; 2014 – Oradea, 2017 - Timișoara Eurocaroten Workshop Carotenoids in foods, nutrition and health , Valencia 2018
<b>Member of professional association</b>	Romanian Society of Biochemistry and Molecular Biology – member of the National Board Romanian Society of Chemistry Romanian Society of Cell Biology EuroFedLipid International Society of Carotenoids; EPSO
<b>Member of editorial board</b>	Editor Bulletin of Agricultural Sciences and Veterinary Medicine – MV (2014-2016) Guest Editor Journal of Food Composition and Analysis (2016-2018)

**Reviewer** Journal of Food Composition and Analysis; Food Chemistry; Journal of Agricultural and Food Chemistry, Journal of Functional Food, Food Research International, International Journal of Molecular Sciences, Journal of Cellular Biochemistry, Molecules, Journal of Food Biochemistry, Natural Product Reports, Fruits, Molecular Vision, J Ocular Pharmacology Therapeutics, Bulletin of UASMV, Notulae Botanicae Agro., etc.

**Expert** Evaluation of national research projects:  
 Postdoctoral Research Projects (PED)  
 Research projects to stimulate young independent teams (TE)  
 EUREKA  
 Exploratory Research Projects, PCE Ideas)  
 Partnership in Priority Areas (PCCA)  
 Expert in CCCDI - commission Bioeconomy  
 Evaluator for OTKA - Hungarian Scientific Research Fund

**Prizes** Prize of National Authority for Research - **15 articles**  
 Prize “Gheorghe Ionescu-Sisești” of Academy of Agricultural and Forestry Sciences for the book “Stresul oxidative și antioxidanți naturali” 2014

**Personal skills and competences**

Mother tongue(s) Romanian

Other language(s)

Self-assessment  
*European level (\*)*

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	C1	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user

(\*) [Common European Framework of Reference for Languages](#)

*Certificates B2 (English) and C1 (French)*

Social skills and competences

Team spirit  
 Good communication skills  
 Good ability to adapt to multicultural environments, gained through my work experience abroad during doctoral and post doctoral fellowships

**Management, Organisational skills and competences**

Director of the Council for Doctoral Studies – since September 2018  
 Head of Department 1 Preclinical Sciences, 2015 - 2018  
 Vice dean for Research Faculty of Veterinary Medicine, 2014-2015  
 Coordinator CDS4 – Institute of Life Sciences  
 Member of the Council of the Faculty of Veterinary Medicine – 2001-2018  
 Member of the Senate of UASMV Cluj-Napoca 2012-2014, since 2019  
 Project management ability – gained as coordinator/principal investigator of several research grants  
 Sense of organisation – gained by organising scientific meetings:  
 Organisation of: Annual International Meeting of Romanian Society of Biochemistry and Molecular Biology 2001 and 2009;  
 UASMV International Symposium 2014, 2015,  
 8<sup>th</sup> International symposium Pigments in Food 2016 – co-chair

<b>Technical skills and competences</b>	Chromatography – CC, HPLC, GC, GC/MS Spectroscopy – UV-Vis, fluorescence, IR General biochemistry, enzyme activity assay, antioxidant methods Analysis of natural compounds: lipids, carotenoids, tocopherols, phenolic compounds In vitro bioaccessibility assay Cell culture: viability, cytotoxicity assay
<b>Computer skills and competences</b>	Microsof Office; ChemWin, Origin, Prism
<b>Additional information and Annexes</b>	List of publications (articles, books and chapters) ResearcherID: C-4521-2011; <a href="http://orcid.org/0000-0002-9914-2070">http://orcid.org/0000-0002-9914-2070</a>

### List of selected publications

#### Books and chapters:

1. Socaciu C. and **Adela Pinte**, Supramolecular organization and chemical composition of different carotenoid-lipo-protein structures isolated from seabuckthorn berries, in: Seabuckthorn, A Multipurpose Wonder Plant, ed. V.Singh, vol.II, 2005, Indus International, India, p. 525-559, ISBN 81-7387-156-6.
2. **Adela Pinte**, *Food Colorants: Chemical and Functional Properties*, Socaciu C. (editor), CRC Press - Taylor & Francis Group, Boca Raton, 2008, ISBN: 978-0-8493-9357-0: **3 chapters** (total 53 pag.)
3. **Pinte Adela**, Biochimie structurală – Biomolecule plastice (Structural Biochemsitry), Ed. AcademicPress, Cluj Napoca, 2005, 2010.
4. **Adela Pinte**, two chapters Lipids and Vitamins (80 pages) in “Fiziologia si patologia glandei mamare la vaca”, Editura Academic Press, 2010 – coordinated by Sanda Andrei and Ioan Stefan Groza
5. Sanda Andrei, Andrea Bunea, **Adela Pinte**, Stresul oxidativ și antioxidanți naturali, Editura AcademicPres Cluj, 2014, ISBN: 978-973-744-354-0S
6. **Adela Pinte** and Dumitrița Rugină, chapter “Resveratrol and the human retina” în *Handbook of Diet, Nutrition and the Eye*; Editor Victor R. Preedy, Elsevier, 2014, pages 481-491; 2<sup>nd</sup> edition revised published in 2019
7. Sonia Ancuța Socaci, Dumitrița Olivia Rugină, Zorița Maria Diaconeasa, Oana Lelia Pop, Anca Corina Fărcaș, Adriana Păucean, Maria Tofană, **Adela Pinte**, capitolul Antioxidant Compounds Recovered from Food Wastes, In: Functional Food - Improve Health through Adequate Food, p. 3-21, ISBN 978-953-51-3440-4
8. **Adela Pinte**, Dumitrita Rugina, Zorița Diaconeasa, Chapter “Pharmacologically-active plant-derived natural products” in *Smart Nanoparticles for Biomedicine*, Editor: Gianni Ciofani, pages 49-64, eBook ISBN: 9780128141571, Paperback ISBN: 9780128141564, Elsevier

#### Articles:

1. **Adela Pinte**, Anne Marpeau, Monique Faye, Carmen Socaciu and Michel Gleizes - Polar lipids and fatty acids distribution in carotenolipoprotein complexes extracted from Sea Buckthorn fruits, *Phytochemical Analysis*, **2001**, 12, 293-298
2. **Adela Pinte**, Andrea Varga, Piotr Stepnowski, Carmen 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
3. **Adela Pinte**, Horst A. Diehl, Carmen Momeu, Lisa Aberle, Carmen Socaciu, Incorporation of carotenoid esters into liposomes, *Biophysical Chemistry*, **2005**, 118(1), 7-14
4. **Adela Pinte**, Rugină Dumitrița, Pârlog Raluca, Andrea Bunea, Socaciu Carmen, Xanthophylls protect against induced oxidation in cultured human retinal pigment epithelial cells, *Journal of Food Composition and Analysis*, **2011**, 24(6), 830-836
5. **Adela Pinte**, Rugină, D., Pop, R., Bunea, A., Socaciu, C., Diehl, H.A., Antioxidant effect of trans-resveratrol in cultured human retinal pigment epithelial cells, *Journal of Ocular Pharmacology and Therapeutics*, **2011**, 27(4), 315-321
6. **Adela Pinte**, Francisc V. Dulf, Andrea Bunea, Cristian Matea, Sanda Andrei, Comparative analysis of lipophilic compounds in eggs of organically raised Isa Brown and Araucana hens, *Chemical Papers*, **2011**, 66(10), 955-963
7. Sanda Boca, Dumitrița Rugină, **Adela Pinte**, Lucian Barbu-Tudoran, Simion Aștilean, Simion Aștilean, Flower-shaped gold nanoparticles: synthesis, characterization and their application as SERS-active tags inside living cells, *Nanotechnology*, **2011**, 22(5):055702

8. Bunea, A., Rugină, D., Sconța, Z., Pop, R.M., **Pintea, A.**, Socaciu, C., Tăbăran, F., Grootaert, C., Struijs, VanCamp, J., Anthocyanin determination in blueberry extracts from various cultivars and their antiproliferative and apoptotic properties in B16-F10 metastatic murine melanoma cells, *Phytochemistry*, **2013**, 85, 436-444
9. Pop, R.M., Socaciu, C., **Pintea, A.**, Buzoianu, A.D., Sanders, M.G., Gruppen, H., Vincken, J.P., UHPLC/PDA-ESI/MS analysis of the main berry and leaf flavonol glycosides from different Carpathian *Hippophae rhamnoides* L. varieties, *Phytochemical Analysis*, **2013**, 24, 484-492,
10. Raluca Pop, Yannick Weesepeel, Socaciu Carmen, **Adela Pintea**, Jean-Paul Vincken, Carotenoid composition of berries and leaves from six Romanian Sea Buckthorn (*Hippophae rhamnoides* L.) varieties, *Food Chemistry*, **2014**, 147, 1-9.
11. A Cozma, S Andrei, **A Pintea**, D Miere, L Filip, F Loghin, A Ferlay, **2015**, Effect of hemp seed oil supplementation on plasma lipid profile, liver function, milk fatty acid, cholesterol, and vitamin A concentrations in Carpathian goats, *Czech J. Anim. Sci*, 60, 289-301
12. Rugina, D., Diaconeasa, Z., Coman, C., Bunea, A., Socaciu, C., and **Pintea, A.\***, Chokeberry Anthocyanin Extract as Pancreatic beta-Cell Protectors in Two Models of Induced Oxidative Stress, *Oxid Med Cell Longev*, **2015**, 429075
13. D Rugină, D Hanganu, Z Diaconeasa, F Tăbăran, C Coman, L Leopold, A. Bunea, **Adela Pintea\***, Antiproliferative and Apoptotic Potential of Cyanidin-Based Anthocyanins on Melanoma Cells, *International journal of molecular sciences*, **2017**, 18 (5), 0949
14. Z Diaconeasa, D Rugină, C Coman, C Socaciu, LF Leopold, A Vulpoi, F Tăbăran, M Suci, A Mesaroș, L Mirea Popa, OL Pop, S Simon, **A Pintea**, **2017**, New insights regarding the selectivity and the uptake potential of nanoceria by human cells, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2017**, 532, 132-139,
15. Z. Diaconeasa, H. Ayvaz, D. Rugină L. Leopold, A. Stănilă C. Socaciu, F. Tăbăran, L. Luput, D.C. Mada, **A. Pintea**, A. Jefferson, Melanoma Inhibition by Anthocyanins Is Associated with the Reduction of Oxidative Stress Biomarkers and Changes in Mitochondrial Membrane Potential, *Plant Foods for Human Nutrition*, **2017**, 72(4), 404-410, doi: 10.1007/s11130-017-0638, Impact Factor 2.368,
16. Francisc Vasile Dulf, Dan Cristian Vodnar, Eva-Henrietta Dulf, **Adela Pintea**, Phenolic compounds, flavonoids, lipids and antioxidant potential of apricot (*Prunus armeniaca* L.) pomace fermented by two filamentous fungal strains in solid state system, *Chemistry Central Journal*, **2017**, 11 (1), 92
17. A Bunea, FM Copaciu, S Pașcalău, F Dulf, D Rugină, R Chira, **A Pintea**, Chromatographic analysis of lypophilic compounds in eggs from organically fed hens, *The Journal of Applied Poultry Research*, **2017**, 26 (4), 498–508.
18. M. Popescu, C. Bogdan, **A. Pintea**, D. Rugină, C. Ionescu, Antiangiogenic cytokines as potential new therapeutic targets for resveratrol in diabetic retinopathy, *Drug design, development and therapy*, **2018**, 12, 1985-1996,
19. Dumitrița Rugină, Raluca Ghiman, Monica Focșan, Flaviu Tăbăran, Florina Copaciu, Maria Suci, **Adela Pintea\***, Simion Aștilean\*\*, Resveratrol-delivery vehicle with anti-VEGF activity carried to human retinal pigmented epithelial cells exposed to high-glucose induced conditions, **2019**, *Colloids and Surfaces B: Biointerfaces* 181 (2019) 66–75
20. Cristina Tudor, T. Bohn, M Iddir, FV Dulf, Monica Focșan, Dumitrița Rugină, **Adela Pintea\***, Sea buckthorn Oil as a valuable source of bioaccessible xanthophylls, *Nutrients*, 2020, 12(1), 76

Cluj-Napoca, 26.06.2020

Prof. Habil. PhD. Adela Pintea

