

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Pinteana Adela Mariana**
Address(es) Mănăştur 3-5, 400372, Cluj-Napoca, România
Telephone(s) +40264596384/126 – university **Mobile:** -
Fax(es) +40264593792
E-mail apinteana@usamvcluj.ro; Adela_Pinteana@yahoo.com
Nationality Romanian
Date of birth

Education and training

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

Work experience

Dates	2013 up to present
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	2005 -2013
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	1999-2005
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	1992-1999
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)
5 PhD student enrolled
Member in supervising committee of > 10 PhD students
5 PhD students financed from Research projects
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)
Program and project number	Project PNIII-P4-IDPCE-2020-1172
Period	2021-2024
Project title	Nanostrategies to enhance zeaxanthin stability and bioaccessibility
Research projects as member	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 Sea buckthorn
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
Patents	-
Articles	105 articles in ISI journals (76 articles in ISI journals/proceedings with impact factor, 19 as main author; 6 editorials in ISI indexed journals); 74 in extenso in journals indexed in other databases and other journals; 32 as abstract in proceeding books Citations (excluding self-citations): >1800 (Web of Science); > 3700 Google Scjolar Hirsch index 27 (Web of Science), 33 (Google Scholar) ResearcherID: C-4521-2011; http://orcid.org/0000-0002-9914-2070 ; brainmap U-1700-034Z-2615
Conferences	International Symposium Prospects for the 3rd Millenium Agriculture Cluj-Napoca, 2000-2017 International Symposium on Carotenoids, 2011 - Cracovia; 2014 - Park City, USA, 2017 – Lucerne, 2023 – Toyama, Japan International Congress “Pigments in Food”: 2004 - Quimper, Franta; 2007- Hohenheim, Germania; 2010 - Budapest; 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; 2023 -Cluj-Napoca Eurocaroten Workshop Carotenoids in foods, nutrition and health , Valencia 2018, Cyprus 2019
Member of professional association	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

Member of editorial board

Editor Bulletin of Agricultural Sciences and Veterinary Medicine – MV (2014-2016)
 Guest Editor Journal of Food Composition and Analysis (2016-2018), Guest editor Molecules (2023-2024); Guest editor Agriculture – 2024; Revista de Chimie (2020)

Reviewer

For over 30 journals: 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, Antioxidants, Journal of Food Biochemistry, Natural Product Reports, Critical Reviews in Food Science, Molecular Vision, J Ocular Pharmacology Therapeutics, Experimental Eye Research, etc. .

Expert

Member of Romanian National Research Council – Life Sciences (CNCS)
 Member of Advisory College for Research-Development and Innovation CCCDI - commission Bioeconomy

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)

Prizes

Evaluator for OTKA - Hungarian Scientific Research Fund, National Science Centre Poland

Prize of National Authority for Research **25 articles**

Prize “Gheorghe Ionescu-Sisești” of Academy of Agricultural and Forestry Sciences for the book “Stresul oxidativ și antioxidanți naturali” 2014; Pteze “Paul Riegler” of Academy of Agricultural and Forestry Sciences 2023

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	<p>Director of the Council for Doctoral Studies – since September 2018</p> <p>Head of Department 1 Preclinical Sciences, 2015 - 2018</p> <p>Vice dean for Research Faculty of Veterinary Medicine, 2014-2015</p> <p>Coordinator CDS4 – Institute of Life Sciences</p> <p>Member of the Council of the Faculty of Veterinary Medicine – 2001-2018</p> <p>Member of the Senate of UASMV Cluj-Napoca 2012-2014, since 2019</p> <p>Project management ability – gained as coordinator/principal investigator of several research grants</p> <p>Sense of organisation – gained by organising scientific meetings:</p> <p>Organisation of: Annual International Meeting of Romanian Society of Biochemistry and Molecular Biology 2001 and 2009;</p> <p>UASMV International Symposium 2014, 2015,</p> <p>8th International symposium Pigments in Food 2016 – co-chair</p> <p>Annual International Meeting of RSBMB Cluj-Napoca, 2023 - chair</p>
Technical skills and competences	<p>Chromatography – CC, HPLC, GC, GC/MS</p> <p>Spectroscopy – UV-Vis, fluorescence, IR</p> <p>General biochemistry, enzyme activity assay, antioxidant methods</p> <p>Analysis of natural compounds: lipids, carotenoids, tocopherols, phenolic compounds</p> <p>In vitro bioaccessibility assay</p> <p>Cell culture: viability, cytotoxicity assay</p>
Computer skills and competences	<p>Microsoft Office; ChemWin, Origin, Prism</p>
Additional information and Annexes	<p>List of publications (articles, books and chapters)</p> <p>ResearcherID: C-4521-2011; http://orcid.org/0000-0002-9914-2070</p>

List of selected publications

Books and chapters:

1. Socaciu C. and **Adela Pinte**a, 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**a, *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**a **Adela**, Biochimie structurală – Biomolecule plastice (Structural Biochemistry), Ed. Academic Press, Cluj Napoca, 2005, 2010.
4. **Adela Pinte**a, 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**a, Stresul oxidativ și antioxidanți naturali, Editura Academic Press Cluj, 2014, ISBN: 978-973-744-354-0S
6. **Adela Pinte**a and Dumitrița Rugină, chapter "Resveratrol and the human retina" in *Handbook of Diet, Nutrition and the Eye*; Editor Victor R. Preedy, Elsevier, 2014, pages 481-491; 2nd 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**a, 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**a, 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
9. **Pinte**a, **A.M.**, Magdas, D.A. (2022). Analytical Techniques for the Biochemical Profiling in Seabuckthorn. In: Sharma, P.C. (eds) The Seabuckthorn Genome. Compendium of Plant Genomes. Springer, Cham. https://doi.org/10.1007/978-3-031-11276-8_4, Online ISBN978-3-031-11276-8, Print ISBN978-3-031-11275
10. Dumitrita Rugină **Adela Pinte**a, Chemistry and structural biochemistry: short course for veterinary students, 2019, Ed. Academic Press Cluj, ISBN 978-973-744-775-3

Articles – relevant publications

1. **Adela Pinte**a, 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**a, 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**a, 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**a, 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**a, 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**a, 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. Rugină, D., Diaconeasa, Z., Coman, C., Bunea, A., Socaciu, C., and **Pinte**a, A.*, Chokeberry Anthocyanin Extract as Pancreatic beta-Cell Protectors in Two Models of Induced Oxidative Stress, *Oxid Med Cell Longev*, **2015**, 429075
8. D Rugină, D Hanganu, Z Diaconeasa, F Tăbăran, C Coman, L Leopold, A. Bunea, **Adela Pinte**a*, Antiproliferative and Apoptotic Potential of Cyanidin-Based Anthocyanins on Melanoma Cells, *International journal of molecular sciences*, **2017**, 18 (5), 0949
9. Dumitrița Rugină, Raluca Ghiman, Monica Focșan, Flaviu Tăbăran, Florina Copaciu, Maria Suci, **Adela Pinte**a*, Simion Așticlean**, 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
10. Cristina Tudor, T. Bohn, M Iddir, FV Dulf, Monica Focșan, Dumitrița Rugină **Adela Pinte**a*, Sea buckthorn Oil as a valuable source of bioaccessible xanthophylls, *Nutrients*, **2020**, 12(1), 76
11. Cristina Tudor, **Adela Pinte**a*, A Brief Overview of Dietary Zeaxanthin Occurrence and Bioaccessibility, *Molecules*, **2020**, 25, 4067
12. **Adela Pinte**a, Francisc Vasile Dulf, Andrea Bunea, Sonia Ancuța Socaci, Elena Andreea Pop, Vlăduț-Alexandru Opriță, Daniele Giuffrida, Francesco Cacciola, Giovanni Bartolomeo, Luigi Mondello, Carotenoids, Fatty Acids, and Volatile Compounds in Apricot Cultivars from Romania-A Chemometric Approach, *Antioxidants*, **2020**, 9(7), 562
13. AJ Meléndez-Martínez, A. I Mandić, Filippos Bantis, V Böhm, GIA Borge, M Brnčić, A Bysted, M Pilar Cano, M Graça Dias, A Elgersma, M Fikselová, J García-Alonso, D Giuffrida, VSS Gonçalves, D Hornero-Méndez, K Kljak, V Lavelli, GA Manganaris, P Mapelli-Brahm, M Marounek, B Olmedilla-Alonso, MJ Periago-Castón, **A Pinte**a, JJ Sheehan, V Tumbas Šaponjac, M Valšíková-Frey, L Van Meulebroek, N O'Brien, A comprehensive review on carotenoids in foods and feeds: status quo, applications, patents, and research needs, *Critical Reviews in Food Science and Nutrition*, **2020**, 1-51
14. Cristina Tudor, Elena Cristina Gherasim, Francisc Vasile Dulf, **Adela Pinte**a*, In vitro bioaccessibility of macular xanthophylls from commercial microalgal powders of *Arthrospira platensis* and *Chlorella pyrenoidosa*, *Food Science & Nutrition*, **2021**, DOI: 10.1002/fsn3.2150
15. AJ Meléndez-Martínez, V Böhm, GIA Borge, M Pilar Cano, M Fikselová, R Gruskiene, V Lavelli, M Rosa Loizzo, AI Mandić, P Mapelli Brahm, AČ Mišan, **A Pinte**a, J Sereikaitė, L Vargas-Murga, SS Vlasisavljević, JJ Vulić, NM O'Brien, *Annual Review of Food Science and Technology*, **2021**, 12, <https://doi.org/10.1146/annurev-food-062220-013218>
16. Dias, M.G.; Borge, G.I.A.; Kljak, K.; Mandić, A.I.; Mapelli-Brahm, P.; Olmedilla-Alonso, B.; **Pinte**a, A.M.; Ravasco, F.; Tumbas Šaponjac, V.; Sereikaite, J.; et al. European Database of Carotenoid Levels in Foods. Factors Affecting Carotenoid Content. *Foods* **2021**, *10*, 912. <https://doi.org/10.3390/foods10050912>,
17. A Baricz, EA Levei, M Șenilă, S Cîntă Pînzaru, M Aluș, A Vulpoi, C Filip, C Tripon, D Dădârlat, DM Buda, FV Dulf, **A Pinte**a, A Cristea, V Muntean, ZG Keresztes, M Alexe, HL Banciu, Comprehensive mineralogical and physicochemical characterization of recent sapropels from Romanian saline lakes for potential use in pelotherapy, *SCIENTIFIC REPORTS*, **2021**, 11(1), 18633
18. C Socaciu, F Dulf, S Socaci, F Ranga, A Bunea, F Fetea, **A Pinte**a, Phytochemical profile of eight categories of functional edible oils: A metabolomic approach based on chromatography coupled with mass spectrometry, *Applied Sciences*, **2022**, 12 (4), 1933
19. D Stoia, R Pop, A Campu, M Nistor, S Asticlean, A Pinte, M Suci, D. Rugina, M. Focsan, Hybrid polymeric therapeutic microcarriers for thermoplasmonic-triggered release of resveratrol, *Colloids and Surfaces B: Biointerfaces*, **2022**, 220, 112915
20. Roxana Pop, Adela Daescu, Dumitrita Rugina, **Adela Pinte**a, Resveratrol: Its Path from Isolation to Therapeutic Action in Eye Diseases, *Antioxidants*, **2022**, 11(12), 2447; <https://doi.org/10.3390/antiox11122447>

Cluj-Napoca, 10.02.2024

Prof. Habil. PhD. Adela Pinte