

List of publications and Research Projects

(a) List of articles published ISI Thomson journals with impact factor

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, DOI: 10.1002/pca.600, Impact Factor – 0.973 (2001); 2.497 (2015) Q1 (Plant Sciences)
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; DOI: 10.1002/pca.844, Impact factor - 1.398 (2005); 2.497 (2015) Q1 Plant Sciences
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, DOI: 10.1016/j.bpc.2005.06.007, Impact Factor – 1.925 (2005), 2.363 (2015), Q2 – Chemistry, Physical
4. D. Hanganu, **Adela Pinte**a, A. Marculescu, C. Toma, S. Mirel, Chemical research of carotenoids from *Anthemis tinctoria* l. (*Asteraceae*), *Farmacia*, **2008**, Vol. LVI(3), 344-351, Impact Factor - 0.064 (2008), 1.162 (2015), Q4 - Pharmacology
5. G.D. Mogoșanu, **Adela Pinte**a, L.E. Bejenaru, C. Bejenaru, Gabriela Rău, H. Popescu, HPLC analysis of carotenoids from *Senecio vernalis* and *S. jacobaea* (*Asteraceae*), *Farmacia*, **2009**, 57(6), 780-786, WOS:000272294200012, Impact Factor - 0.144 (2009), 1.162 (2015), Q4 Pharmacology
6. P.L. Pap, C.I. Vagasi, G.A. Czirjak, A. Titilincu, **Adela Pinte**a, Z. Barta, Carotenoids modulate the effect of coccidian infection on the condition and immune response in moulting house sparrows, *Journal of Experimental Biology*, **2009**, 212 (20), 3228-3235, DOI: 10.1242/jeb.031948, Impact Factor – 2.722 (2009), 2.914 (2015), Q1-Biology
7. Liviu Bogdan, Ioan Groza, Sanda Andrei, **Adela Pinte**a, Simona Ciupe, Mihai Cenariu, Ileana Bogdan, Ioan Pașca, Sidonia Bogdan, Anamaria Petrean and Adrian Macri, Therapeutic and immunomodulatory effect of two complex homeopathic products used against chronic endometritis in Simmental cows, *Journal of Food Agriculture & Environment*, **2009**, 7(2), 243-246, 1459-0255, WOS:000266192600045, Impact Factor – 0.435 (2012), Q4 – Food Science and Technology
8. Iordache, M. Culea, M. Jimborean, **Adela Pinte**a, M. Chiriac, Cheese amino acids characterization by isotopic dilution GC-MS, *Journal of Environmental Protection and Ecology- JEPE*, **2009**, 10 (1) 149-155, ISSN 1311-5065, WOS:000265259400019, Impact Factor – 0.168 (2009), 0.734 (2015), Q4 – Environmental Sciences
9. **Adela Pinte**a, Rugină Dumitrița, Pop Raluca, Socaciu Carmen, Catechin-rich green tea extract modulates the oxidative status of human retinal pigment epithelial cells, *Romanian Biotechnological Letters*, **2010**, 15 (1), 4964-4978, WOS:000275272200007, Impact Factor – 0.219 (2010), 0.381 (2015), Q4 – Biotechnology Applied Microbiology

10. **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, DOI: 10.1016/j.jfca.2011.03.007, Impact factor - 2.079 (2011); 2.780 (2015), Q1 - Food Science and Technology
11. **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, DOI: 10.1089/jop.2010.0144, Impact Factor – 1.509 (2011); 1.754 (2015), Q2 - Ophthalmology
12. Sanda Boca, Dumitrița Rugină, **Adela Pinte**a, Lucian Barbu-Tudoran, Simion Aștilean, Flower-shaped gold nanoparticles: synthesis, characterization and their application as SERS-active tags inside living cells, *Nanotechnology*, **2011**, 22(5):055702, DOI: 10.1088/0957-4484/22/5/055702, Factor – 3.979 (2011); 3.573 (2015), Q1-Physics Applied
13. Pap, P.L., Vagasi, C.I., Czirjak, G.A., Titilincu, A, **Pinte**a **Adela**, Osvath, G., Fulop, A., Barta A Z., The effect of coccidians on the condition and immune profile of molting house sparrows (*Passer domesticus*), *The Auk*, **2011**, 128(2), 330-339, DOI: 10.1525/auk.2011.10142, Impact factor – 2.156 (2011), 1.871 (2015), Q1 - Ornithology
14. Pompei Florin Bolfa, Caroline Leroux, **Adela Pinte**a, Sanda Andrei, Cornel Catoi, Marian Taulescu, Flaviu Tabaran, Marina Spînu, Oxidant–antioxidant imbalance in horses infected with equine infectious anaemia virus, *The Veterinary Journal*, **2012**, 192(3), 449-454, doi:10.1016/j.tvjl.2011.08.029, Impact Factor – 2.424 (2012), 1.68 (2015), Q1 – Veterinary Sciences
15. Vicaș Simona I., Rugină Dumitrița, Leopold Loredana, **Pinte**a **Adela**, Socaciu Carmen, HPLC fingerprint of bioactive compounds and antioxidant activities of *Viscum album* from different host trees, *Not Bot Hort Agrobot Cluj*, **2011**, 39(1), 48-57, WOS:000292056600007, Impact factor – 0.652(2011), 0.451 (2015), Q4 - Plant Sciences
16. Bunea A., Rugină D.O., **Pinte**a **Adela**, Sconța Z., Bunea C., Socaciu C., Comparative polyphenolic content and antioxidant activities of some wild and cultivated blueberries from Romania, *Not Bot Hort Agrobot Cluj*, **2011**, 39(2), 70-76, WOS:000297659600009, Factor de impact – 0.652 (2011); 0.451 (2015), Q4 – Plant Sciences
17. Giuffrida, D., **Pinte**a **Adela**, Dugo P., Torre, G., Pop Raluca Maria, Mondello, L. Determination of carotenoids and their esters in fruits of sea buckthorn (*Hippophae rhamnoides* L.) by HPLC-DAD-APCI-MS, *Phytochemical Analysis*, **2012**, 23, 267-273; DOI: 10.1002/pca.1353, Impact factor – 2.480 (2012), 2.497 (2015), Q1 - Plant Sciences
18. **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*, **2012**, 66(10), 955-963, DOI: 10.2478/s11696-012-0219-2, Impact Factor – 1.312 (2012), 2.552 (2015); Q2 – Chemistry-Multidisciplinary
19. Andrea Bunea, Dumitrița Rugină, **Adela Pinte**a, 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, DOI: 10.2478/s11696-012-0162-2, Impact Factor – 1.312 (2012), 2.552 (2015); Q2 – Chemistry-Multidisciplinary

20. Dumitrița Rugină, Zorița Sconța, Loredana Leopold, Andrea Bunea, **Adela Pinte**a, Carmen Socaciu, Antioxidant activities of chokeberry extracts and the antiproliferative potential of their anthocyanin fraction on HeLa human cervical tumor cells, *Journal of Medicinal Food*, **2012**, 15(8), 700-706, DOI: 10.1089/jmf.2011.0246 Impact Factor – 1.642 (2012); 1.844 (2015), Q2-Food Science and Technology
21. Monica Nan, **Adela Pinte**a, Andrea Bunea, Sigrid Eșianu, Mircea Tămaș, HPLC analysis of carotenoids from *Inula helenium* l. flowers and leaves, *Farmac*ia, **2012**, 60(4), 501-509 WOS 000315931200007, Impact Factor - 0.578 (2012) 1,162 (2015), Q4 Pharmacology
22. Sonia A. Socaci,, Carmen Socaciu, Maria Tofană, Ioan Rați, **Adela Pinte**a, In-tube Extraction and GC–MS Analysis of Volatile Components from Wild and Cultivated sea buckthorn (*Hippophae rhamnoides* L. ssp. *Carpatica*) Berry Varieties and Juice, *Phytochemical Analysis*, 2013, 24(4), 319-328, DOI: 10.1002/pca.2413, Impact factor - 2.450 (2013); 2,497(2015), Q1 (Plant Sciences)
23. Dulf F.V., Pamfil Doru, Adriana D. Baci, **Adela Pinte**a, Fatty acid composition of lipids in pot marigold (*Calendula officinalis* L.) seed genotypes. *Chemistry Central Journal*, **2013**, 7:8, DOI: 10.1186/1752-153X-7-8, Impact Factor – 1.663 (2013), 2.552 (2015); Q2 – Chemistry -Multidisciplinary
24. Daniela Hanganu, Neli Olah, Laurian Vlase, Angela Mărculescu, **Adela Pinte**a, Chemical research of carotenoids from *Chenopodium Bonus Henricus* L. (Chenopodiaceae) – *Farmac*ia, **2012**, 60(6), 840-848, WOS:000315931200007, Impact factor - 0.578 (2012) 1,162 (2015), Q4 - Pharmacology
25. Andrea Bunea, Dumitrița Rugină, Zorița Sconța, Raluca M Pop, **Adela Pinte**a, 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**, 95, 436-444, DOI: 10.1016/j.phytochem.2013.06.018; Impact factor - 3,350 (2013); 2,779 (2015), Q1 - Plant Sciences
26. Anton, A.M., **Pinte**a, A.M., Rugină, D.O., Sconța, Z.M., Hanganu, D., Vlase, L., Benedec, D., Preliminary studies on the chemical characterization and antioxidant capacity of polyphenols from *Sambucus* Sp., *Digest Journal of Nanomaterials and Biostructures*, **2013**, 8(3), 973-980; Impact Factor – 1,123 (2013), 0,756 (2015), WOS:000327816300007, Q4 – Nanoscience and Nanotechnology
27. Pop, R.M., Socaciu, C., **Pinte**a, 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, DOI 10.1002/pca.2460; Impact factor - 2.450 (2013); 2.497(2015), Q1 - Plant Sciences
28. Raluca Pop, Yannick Weesepeel, Socaciu Carmen, **Adela Pinte**a, Jean-Paul Vincken, carotenoid composition of berries and leaves from six Romanian Sea Buckthorn (*Hippophae rhamnoides* L.) varieties, *Food Chemistry*, 2014, 147, Impact Factor – 3.391 (2014), 4.052 (2015); DOI: 10.1016/j.foodchem.2013.09.083, Q1 – Food Science and Technology, Applied Chemistry

29. Francisc Vasile Dulf, Ioan Oroian, Dan Cristian Vodnar, Carmen Socaciu, **Adela Pinte**, Lipid Classes and Fatty Acid Regiodistribution in Triacylglycerols of Seed Oils of Two Sambucus Species (*S. nigra* L. and *S. ebulus* L.), *Molecules*, **2013**, 18(10):11768-11782, DOI: 10.3390/molecules181011768, Impact Factor - 2.095 (2013); 2.465 (2015), 2.497 (2015), Q2 (Chemistry Organic)
30. Sonia A Socaci, Carmen Socaciu, Crina Mureşan, Anca Fărcaş, Maria Tofană, Simona Vicaş, **Adela Pinte**, Chemometric Discrimination of Different Tomato Cultivars Based on Their Volatile Fingerprint in Relation to Lycopene and Total Phenolics Content, *Phytochemical Analysis*, **2014**, 25(2):161-169; DOI: 10.1002/pca.2483; Factor de impact - 2.341 (2014); 2.497(2015), 2.497 (2015), Q1 - Plant Sciences
31. Veronica Sanda Chedea, **Adela Pinte**, Andrea Bunea, Cornelia Braicu, Andreea Stanila, Carmen Socaciu, *Physalis alkekengi* Carotenoidic Extract Inhibitor of Soybean Lipoxygenase-1 Activity, *BioMed Research international*, 2014, 1, 9; DOI: 10.1155/2014/589168, Impact Factor – 1.579 (2014), 2.134 (2015), Q3-Biotechnology, Applied Microbiology
32. Bunea Andrea, Socaciu Carmen, **Pinte Adela**, Xanthophyll Esters in Fruits and Vegetables, *Not Bot Horti Agrobo*, 2014, 42(2):310-324. DOI:10.1583/nbha4229700, Impact Factor – 0,547 (2014), 0.451 (2015), Q4 - Plant Sciences,
33. Rugina, D., Diaconeasa, Z., Coman, C., Bunea, A., Socaciu, C., and **Pinte, A.***, Chokeberry Anthocyanin Extract as Pancreatic beta-Cell Protectors in Two Models of Induced Oxidative Stress, *Oxid Med Cell Longev*, **2015**, 429075; DOI: 10.1155/2015/429075; Impact Factor – 4.492, Q2 – Cell Biology
34. A Cozma, S Andrei, **A Pinte**, 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; DOI: 10.17221/8275-CJAS; Impact factor – 0.809 (2015), Q2 - Agriculture, Dairy & Animal Science
35. Diana Cenariu, Eva Fischer-Fodor, Piroska Virag, Corina Tatomir, Mihai Cenariu, Pall Emoke, **Adela Pinte**, Andrei Mocan, Ioan Simon, Gianina Crisan, **2015**, In vitro Antitumour Activity of Tomato-Extracted Carotenoids on Human Colorectal Carcinoma, *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 43 (2), 293-301, WOS:000366877100001, Impact Factor – 0.451 (2015), Q4 - Plant Sciences

(b) Other papers/editorials published in ISI journals with impact factor:

1. Dufosse, L., Adela Pinte, Third International Congress on Pigments in Food, *Food Research International*, 38(8-9), 831-832, DOI: 10.1016/j.foodres.2005.05.003
2. Dufosse, L., Pinte A., Pigments in Food, more than colours..., *Trends In Food Science & Technology*, 2005, 16(9) 368-369, DOI: 10.1016/j.tifs.2005.06.002

3. Farcal, L, Busquet, F , Coecke, S , Hristescu, L, Chesne, C, Pellevoisin, C, Orasanu, A, Diaconeasa, Z; Oros, A., Pinte, A, Socaciu, C; Finding Opportunities in the Area of Alternative Methods to Animal Testing for Romania and Inauguration of the Romanian Center for Alternative Test Methods (ROCAM), *Altex* 32 (4), 392-393; DOI: 10.14573/altex.1509281
4. Andras-Laszlo Nagy, Nechita Adrian Oros, Lucian Farcal, Carmen Socaciu, Adela Pinte, Yula Sambuy, Isabella De Angelis, Francesca Caloni, 3Rs in Education, *ALTEX* 33 (2), 185-186, DOI: 10.14573/altex.1602011

(c) List of articles published in extenso in ISI indexed journals/Proceedings without impact factor

1. Carmen Socaciu, Adela Pinte, Andrea Varga, Floricuța Ranta, Sanda Cristurean, Horst Diehl, Sea Buckthorn – new ways to use its bioactive components in food and pharmaceutical industry, *Bulletin USAMV-CN, A*, 2002, 57, 271-278, WOS:000229582200061, ISI PROCEEDING
2. Zegrean, G; Bele, C, Pinte, A; et al., Contributions to the study of the composition of fatty acids from milk and acid milk products, *Bulletin USAMV-CN MV series*, 2002, 61, 257-261, WOS:000232873800055, ISI PROCEEDING
3. Carmen Momeu, Adela Pinte, Andreea Stănilă, Otilia Bobiș, Carmen Socaciu, HPLC Analysis of Phospholipids from Soybean (*Glycine max*) Extract, *Buletin USAMV-CN, A*, 2002, 57, 278-283, WOS:000229582200062, ISI PROCEEDING
4. Sanda Andrei, Adela Pinte, Catoi C., Sevastre B., Varga A., Baba A.I., Antioxidant enzymes activities, lipids and proteins oxidation – markers of oxidative stress in rats i.p. treated with asbestos, *Buletin USAMV, seria MV*, 2002, 598-603, WOS:000229582100105 ISI PROCEEDING
5. Sanda Andrei, Joanta A., Krausz T., Filip A., Adela Pinte, Varga A., Influence of naturals antioxidants administration on enzymatic antioxidant systems in experimental hypertyroidism on rats, *Buletin USAMV, seria MV*, 2002, 604-609, WOS:000229582100106, ISI PROCEEDING
6. Adela Pinte, Bara A., Sanda Andrei, Bele C., The evaluation of hepatoprotective effect of *Calendula officinalis* L. seeds oil.I, *Bulletin USAMV, series MV*, 2003, 60, 125-131, WOS:000232872200027, ISI PROCEEDING
7. Sanda Andrei, Adela Pinte, Sevastre B., Catoi C., Baba A.I., Influence of lycopene administration on fatty acids and cholesterol content in rats i.p. treated with asbestos, *Bulletin USAMV, series MV*, 2003, 60: 24-28, WOS:000232872200006, ISI PROCEEDING
8. Bele C., Muntean E., Pinte A., Influence of 8-hydroxyquinoline on some foliar polar lipids in etiolated radish seedlings, *Bulletin USAMV, series Agriculture*, 2003, 59, 38-42, WOS:000229586700006, ISI PROCEEDING

9. Bele, C., E. Muntean, Adela Pinte, Antonia Odagiu, New synthetic substrates for determination of lipase activity, Bulletin USAMV, series MV, 2003, 60, 42-47, WOS:000232872200010, ISI PROCEEDING
10. Adela Pinte, Bara Adela, Andrei Sanda, Bele C., The evaluation of hepatoprotective effect of Calendula officinalis L. seeds oil.II. Bulletin USAMV, series MV, 2004, 61, 116-121, WOS:000232873800024, ISI PROCEEDING
11. Sanda Andrei, Joanta Adela, Adela Pinte, Varga Andrea, Studies regarding antioxidant administration on fatty acids and cholesterol content in rats i.p. treated with L-thyroxin, Bulletin USAMV, series MV, 2004, 61, 6-22, WOS:000232873800004, ISI PROCEEDING
12. Adela Pinte, Dietary xanthophylls in the prevention of age-related macular degeneration (minireview), Bulletin USAMV-CN MV series, 2005, 62, 253-258, WOS:000237249200050, ISI PROCEEDING
13. Andrei Sanda, Adela Pinte, Catoi C., Florina Bolos, Baba A.I., Comparative studies on lipids and lipids components in dog hepatic tumors, Bulletin USAMV Cluj Napoca, 2005, 62, 17-22, WOS:000237249200003, ISI PROCEEDING
14. Rotar A.M, Semeniuc, C. Gus, C., Pinte, A., Bele, C., Apostu, S., Lipolytic modifications appreciation through fatty acids determination of fermented dairy, Bulletin USAMV Cluj Napoca – Series Agriculture, 2006, 62, 440-445, WOS:000245237700130, ISI PROCEEDING
15. Adela Pinte, Daniela Zinveliu, R.Al. Pop, Andrei Sanda, Kiss, E., Antioxidant status in dairy cows during lactation, Bulletin USAMV Cluj Napoca series MV, 2006, 63, 130-136, WOS:000245240300028, ISI PROCEEDING
16. Scurtu I., Andrei Sanda, Adela Pinte, Daniela Zinveliu, Popovici C., Oxidative stress – following administration of oxidized sunflower oil in diet in broiler, Bulletin USAMV Cluj Napoca series MV, 2006, 63, 391-395, WOS:000245240300077, ISI PROCEEDING
17. Bunea Andrea, Pinte Adela, Andrei Sanda, Augusta Lujerdean, Carmen Socaciu, Enzymatic hydrolysis of zeaxanthin esters from Physalis Alkekengi. Bulletin of the University of Agricultural Sciences and Veterinary Medicine, 2006, 62: 282-286, WOS:000245239500066, ISI PROCEEDING
18. Sanda Boca, Dumitrita Rugina, Adela Pinte, Nicolae Leopold and Simion Astilean, Designing gold nanoparticle-ensembles as surface-enhanced Raman scattering (SERS)-tags inside human retinal cells, *Journal of Nanotechnology*, **2012**, Article ID 961216, 10 pages; doi:10.1155/2012/961216 (revista indexată ISI, fără factor de impact)

(d) List of articles (short/abstracts) published in ISI journals with impact factor – proceedings

1. **Pintea Adela**, Dulf F.V., Bele C., Andrei Sanda, Fatty acids distribution in the lipid fractions of *Calendula officinalis* L. seeds oil, *Chemicke Listy*, **2008**, 102 (SPEC. ISS. S3), s749-s750, (http://www.chemicke-listy.cz/docs/full/2008_s3_s537-s821.pdf); Impact Factor 0.453
2. Andrei Sanda, Joanta A., **Pintea Adela.**, Sarlea M.M., Protective effect of lycopene from tomatoes powder in oxidative stres induced by administration of L-thyroxin in rats, *Chemicke Listy*, **2008**, 102 (15 SPEC. ISS.), s579-s580, (http://www.chemicke-listy.cz/docs/full/2008_s3_s537-s821.pdf); Impact Factor 0.453
3. C. Toma, **Adela Pintea**, C. Bele, F. Dulf, Characterization of neutral lipids composition of *Nigella sativa* L. seeds oil, *Chemicke Listy*, **2008**, 102 (15 SPEC. ISS.), s803-s804, (http://www.chemicke-listy.cz/docs/full/2008_s3_s537-s821.pdf); Impact Factor 0.453;
4. C. Bele, O.Negrea, **Adela Pintea**, F. V. Dulf, D. Lupu, Al. R. Biris, Quantitative determination of sulfonamide residues in chicken meat by a new solid phase extraction and HPLC-UV for detection, *Chemicke Listy*, **2008**, 102 (15 SPEC. ISS.), s589-s591, (http://www.chemicke-listy.cz/docs/full/2008_s3_s537-s821.pdf); Impact Factor 0.453;
5. F.V. Dulf, C. Socaciu, C. Bele, **Adela Pintea**, M. Unguresan, Phytosterols and fatty acid profile of four edible oils processed in Romania, *Chemicke Listy*, **2008**, 102 (15 SPEC. ISS.), s619-s621, (http://www.chemicke-listy.cz/docs/full/2008_s3_s537-s821.pdf); Impact Factor 0.453;
6. M. Culea, E. Culea, P. Chereches-Panta, **Adela Pintea**, Leukotriene quantitation by GC-MS, *Chemicke Listy*, **2008**, 102 (15 SPEC. ISS.), s963-s964, http://www.chemicke-listy.cz/docs/full/2008_s3_s933-s982.pdf; Impact Factor 0.453;
7. **Adela Pintea**, Dumitrita Rugina, Andrea Bunea, Sanda Andrei, Lutein and Zeaxanthin protect against induced photosensitization in retinal pigment epithelial cells, *Acta Biologica Cracoviensia*, series Botanica, 16th International Symposium on Carotenoids – Towards a Brighter Side of Life, Krakow, 17-22 July, 2011, Vol. 53 Suppl. 1, 101-102, Impact factor 0.586 (**abstract**)
8. Andrei Sanda, Sorana Matei, **Adela Pintea**, Andrea Bunea, Dumitrita Rugina, Razvan Stefan, Ioan Stefan Groza, Total antioxidant status, lipid and proteins oxidation levels in subclinical mastitis cow's milk, *Chemicke Listy*, Issues 18, pag. S1047, 2011, Impact Factor 0.620 (**abstract**)
9. Andrei Sanda, Crainic Diana, Bunea Andrea and **Pintea Adela**, Antioxidant Activity of Oxygenated Normal and Retro-carotenoids in Vegetal Oils, Online Only Supplement – Book of abstracts of the 10th EuroFed Lipid Congress, Cracow, Poland 23-26 September 2012. *Eur. J. Lipid Sci. Technol.*, 114: n/a., DOI: 10.1002/ejlt.20239003414215, ISSN 1438-7697 · EJLST (2012), Vol. 114, pag. 284 (**abstract**)

10. Cozma Anamaria, Andrei Sanda, **Pintea Adela**, Miere Doina, Filip Lorena, Blanc Roxana, Loghin Felicia, Ferlay Anne, The effect of hemp seed oil supplementation on fatty acid profile in milk fat from dairy goats, Online Only Supplement – Book of abstracts of the 10th EuroFed Lipid Congress, Cracow, Poland 23-26 September 2012. Eur. J. Lipid Sci. Technol., 114: n/a., DOI: 10.1002/ejlt.20239003414215 · ISSN 1438-7697 · EJLST (2012), Vol. 114, pag. 339 (abstract)

(e) Articles published in journals indexed in other databases

- 1. Adela Pintea**, Constantin Bele, Sanda Andrei, Carmen Socaciu - HPLC analysis of carotenoids in four varieties of *Calendula Officinalis L.* flowers, *Acta Biologica Szegediensis*, **2003**, 47(1-4), 37-40
- V. Tămaș, C. Bele, **Adela Borza**, S. Apahidean – Cercetări asupra pigmentilor carotinoidici din fasole (Nota III), *Buletin USAMV-ZMV*, **1993**, 47(2), 51-54; Punctaj MV
- Adela Borza**, Crenguța Tăbăcaru, C. Bele, G. Neamțu, Carmen Socaciu - Isolation and partial characterization of some maize kernel carotenoproteins - *Buletin USAMV-ZMV*, 1995, 49, 185-194
- Victoria Ciurdu, Augusta Lujerdean, Sanda Andrei, **Adela Borza**, C. Bele, Doina Oșianu, A.I. Baba - Studiul protecției antioxidante în țesuturile tumorale. II. Date preliminare privind activitatea unor enzime antioxidante - *Buletin USAMV-ZMV*, **1995**, 49, 213-217
- C. Bele, T. Kalin, I. Hopârtean, **Adela Borza** - Ftalazine biologic active. Nota I. Sinteza 4(4'Metil)Fenil-((3-dietilaminoetil)-4"Metil-7"Cumariniloxi))Ftalazinei- *Buletin USAMV-ZMV*, **1995**, 49, 195-198
- C. Bele, I. Oprean, **A. Pintea**, S. Apahidean - Ftalazine cu activitate biologică. II. Efectul unui nou derivat ftalazinic FC1 asupra compoziției acizilor grași din plantule de ridiche (*Raphanus sativus*) - *Buletin USAMV-AH*, **1995**, 49/2, 51-56
- Adela Pintea**, G. Neamțu, I. Oprean - Variația compoziției în acizi grași pe parcursul dezvoltării plantei în *Calendula officinalis L.* - *Buletin USAMV-AH*, **1995**, 49/2, 57-62
- Viorica Hodișan, Daniela Hanganu, R. Oprean, **Adela Pintea** – Cercetări fitochimice asupra acizilor grași din *Nigellae damascenae* semen – *Clujul Medical*, **1997**, Vol. LXX, 4, 638-641
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27. Dulf F., Bunea A., Pop Elena Andrea, Opriță, A. Al., Pinte A., Fatty acids in some apricot cultivars, 2014, Romanian Journal of Biochemistry, Vol. 51. Supplementa, The Annual International Conference of the SRBMB, p. 64 (poster)
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30. Rugină Dumitrița, Hanganu Dana, Diaconeasa Zorița, Coman Cristina, Leopold Loredana, Bunea Andrea, Pinte Adela, Elderberry-derived anthocyanins induce apoptosis and inhibit cell proliferation in melanoma cells, 2016, Cluj-Napoca 28th June- 01st July, 8th Pigments in Food, ISBN 978-606-8778-11-2; 2016, p.104
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32. Cristina Coman, Loredana Florina Leopold, Olivia Dumitrița Rugină, Zorița Diaconeasa, Oana Lelia Pop, Maria Tofană, Carmen Socaciu, Adela Pinte, Nicolae Leopold, Raman imaging of norbixin after cellular internalization in D407 retinal pigment epithelial cells Cluj-Napoca 28th June- 01st July, 8th Pigments in Food, Cluj-Napoca, Romania, ISBN 978-606-8778-11-2; 2016, p.63
33. Francisc V. Dulf, Dan C. Vodnar, Andrea Bunea, Adela Pinte, Carmen Socaciu, Phenolic compounds, flavonoids, carotenoids and antioxidant capacity of apricot (*Prunus armeniaca* L.) pomace fermented by two filamentous fungi in solid state system, 8th International Congress on Pigments in Food – Coloured Food for Health Benefits, held 28 June – 1 July, 2016 in Cluj-Napoca, Romania, ISBN 978-606-8778-11-2; 2016, p.73
34. Elena Andreea Pop, Andrea Bunea, Adela Pinte, Stability of carotenoids in frozen and dried seabuckthorn (*Hippophae Rhamnoides* L.) berries, 8th International Congress Pigment in Food, Cluj-Napoca, Romania, ISBN 978-606-8778-11-2; 2016, p.93
35. Sanda Andrei, Andrea Bunea, Constantin Bele, Adela Pinte, The variation of chlorophylls, carotenoids and antioxidant activity in fresh, frozen and dried aromatic

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(h). Books, chapters and handbooks

Chapters in books published in international publishers

1. **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.): Other Natural Pigments (p.101-126); Food Colorants Derived from natural Sources by Processing (p.329-346); Synthetic Colorants (p. 603-616)
2. 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, **2004**, Indus International, ISBN 81-7387-156-6, India
3. **Adela Pinte**a și Dumitrița Rugină, capitolul “Resveratrol and the human retina” în *Handbook of Diet, Nutrition and the Eye*; Editor Victor R. Preedy, Elsevier, 2014, ISBN 978-0-12-401717-7, p. 481-491; DOI: 10.1016/B978-0-12-401717-7.00049-6

Books and chapters published in national publishers

1. **Adela Pinte**a, *Calendula officinalis* L. - Principii active și utilizări în fitoterapie, Ed. AcademicPres, Cluj-Napoca, Romania, 978-973-744-310-6, 20132013
2. **Adela Pinte**a, în Sanda Andrei, Ioan Stefan Groza – coordonatori, *Fiziologia si patologia glandei mamare la vaca*, Editura Academic Press, 2010, Editura AcademicPress, Cluj-Napoca, Romania, ISBN 978-973-744-232-1; Contribution pag. 73-124; 168-188; 2 chapters (71 pages)
3. Sanda, Andrei, Andrea Bunea, **Adela Pinte**a - *Stresul oxidativ și antioxidanți naturali*, Editura AcademicPres Cluj, 2014, ISBN: 978-973-744-354-0, Contribution – 3 chapters (77 pages)

Handbooks for students

1. **Adela Pinte**a, *Biochimie structurală – Biomolecule plastice*, Ed. AcademicPres, Cluj Napoca, Romania, ISBN 973-7950-97-6, **2005**, p. 194
2. **Adela Pinte**a, *Structural Biochemistry*, Ed. AcademicPres, Cluj-Napoca, Romania, ISBN 978-973-744-196-6, **2009**, p. **182**

Handbooks for students - practical works

1. Victoria Ciurdaru, Sanda Andrei, **Adela Pinte**a, C. Bele – *Biochimie medicală veterinară – metode și tehnici de laborator*, Editura Academic Pres, Cluj-Napoca, **2001**, 190 p., ISBN: 973-8266-20-3
2. Sanda Andrei, **Adela Pinte**a – *Vitamine, Enzime, Hormonii – Analize Biochimice*, Editura Clusium, **2004**, 160 p, ISBN 973-555-434-8
3. **Pinte**a Adela, Sanda Andrei, Constantin Bele, *Biochimie Medical-Veterinară – Lucrări practice*, Ed. AcademicPress, Cluj Napoca, **2008**, p. 138, ISBN 978-973-744-101-0
4. Andrei Sanda, **Pinte**a Adela, Bele Constantin, *Veterinary Biochemistry – practical works*, Editura AcademicPres, Cluj-Napoca, **2012**, p.139, ISBN: 978-973-744-283-3
5. **Adela Pinte**a, Sanda Andrei, Constantin Bele, Dumitrita Rugina, *Chimie si Biochimie - caiet de lucrari practice*; Editura AcademicPres, Cluj-Napoca, **2014**, p. 244, Romania, ISBN 978-973-744-461-5

(i). List of research projects

As project director

Nr.	Project title	Level of funding	Source of funding	Period
1.	Dynamics of lipophilic compounds accumulation in <i>Calendula officinalis</i> L	40.000 lei	ANSTI Tip T	2000-2001
2.	Dynamics of terpenes accumulation in <i>Calendula officinalis</i> L	4.000 lei	ANSTI Tip L	2000-2001
3.	Characterization and <i>in vivo</i> testing of polyunsaturated oil from <i>Calendula officinalis</i> L seeds	93.000 lei	CNCSIS Tip A	2002-2004
4.	In vitro testing of incorporation rate of carotenoids and their effect in RPE cell culture	450.000 lei	CNCSIS Tip A	2005-2007
5.	Evaluation of potential antioxidant effect of some natural compounds (carotenoids and polyphenols) in cultured RPE cells	717.000 RON	PNCD II Idei ID_854	2007-2010
6.	Impact of esterification on the stability and antioxidant capacity of xanthophylls – from model systems to food systems	1.363.250 RON	PN-II-ID- PCE- 2011-3- 0721	2011-2014

Projects as partner project manager:

1. Biomarkers use in diagnosis and control research (BiomarkDiag) 2006-2008; 150.000 RON (UASMV)
2. Assessment of ecophysiological and cyto-genotoxic effects of several xenobiotics in polluted aquatic ecosystems (CITOGENOTOX) 2006-2008; 99.989 RON (UASMV)
3. Biodiversity conservation and characterization of apple genetic resources for gene bank preservation (CRIOGENBANC) 2007-2010; 119.704 RON (UASMV)

Member in International Research Projects:

1. NATO Res. Project Ref.LST.CLG. 977807 - "*Extraction and Incorporation procedures for Carotenoid Pigments in Different Food and Drug matrices*", Coordinator – Prof. H.A. Diehl, Univ. Bremen, Germany; Partner – Department of Chemistry and Biochemistry USAMV Cluj-Napoca (Prof. dr. Carmen Socaciu) 2001-2004
2. FP5 CRAFT G5ST-CT – "*Innovative Products obtained from Sea buckthorn*" 2003-2005
3. Bilateral Research Collaboration, Germany-Romania (DAAD) - "Investigations on food pigment actions on eye cell metabolism" 2004
4. COST Action EUROCAROTEN

Member in National Research Projects:

1. Research grant CNCSIS Tip A (Cod 758) – 2004-2007: "Metode performante de analiza și control al calității și activității compușilor bioactivi din resurse vegetale și produse agroalimentare"
2. CEEEX Modul IV- 109/2006: Extinderea competenței laboratoarelor Agrial pentru evaluarea și certificarea autenticității, calității și conformității unor produse alimentare funcționale, conform normelor UE – (AGRIALCERT)
3. CEEEX Modul IV – 270/2006: Dezvoltarea laboratorului regional de control și diagnoza apicola în conformitate cu legislația UE
4. CEEEX Modul I - 103/2006 (Viasan): Steroizii animalii și implicația lor asupra tumorilor genitale la om
5. CEEEX Modul I – 73/2006: Potențialul osteoinductiv al cornului caduc de cerb utilizabil în regenerarea osoasă
6. CEEEX Modul I – 63/2006 (Agral): Tehnici avansate de determinare a reziduurilor chimice din alimente de origine animală
7. PNCD II – Parteneriate în domenii prioritare – 2488: Influența microundelor asupra compușilor bioactivi prezenți în plantele autohtone

8. PNCD II – Parteneriate, Nanoterapia fototermica selectiva a hepatocarcinomului prin internalizarea intracelulara si mecanism de activare laser a nanotuburilor de carbon bio-ligand functionalizate, 2008-2011
9. PNCD II 51-061/2007 - Studiul diversitatii biologice si ecologice a speciilor de plante perene si reconsiderarea utilitatii lor multiple (culinare, medicinale, decorative etc.), in contextul dezvoltarii sustenabile socio - economice si alinierea la tendintele U. E. – BIOOPERUTILE (Duda)
10. PNCD II 51-032/2007 - Implementarea sistemului de standardizare a materiei prime vegetale pentru creșterea competitivității la specii de plante medicinale valorificabile în industria farmaceutică și cosmetică - PLAMEDCOMPET (Varban)
11. PNCD II Parteneriate - 42-112/2008, Evaluarea si modularea biodistributiei si citotoxicitatii nanotuburilor de carbon cu aplicatii biomoleculare (NANOCITOX) (2008 – 2011);
12. PNCD II Idei 1482/2009 – Identificarea unor noi markeri ai stresului oxidativ utilizati in diagnosticarea mamitelor subclinice la vaci
13. PNCD II Idei 696/2009 - Evaluarea in vitro a efectelor antioxidante si anticancerigene a unor extracte de vasc european (Viscum album) caracterizate prin markeri taxonomici
14. Programul Postdoctoral interdisciplinar "Biotehnologii celulare si moleculare cu aplicatii in medicina", POSDRU 60746 (2010-2013) – expert și tutore

Cluj-Napoca, 27th of March 2017

Prof. PhD Adela Pintea

