

## LISTĂ PUBLICAȚII

### Publicații în reviste indexate WoS, cu Factor Impact

1. Patra S.K., Rizzi F., Silva A., **Rugină D.**, Bettuzzi S, 2008. Molecular targets of (-)-epigallocatechin-3-gallate (EGCG): specificity and interaction with membrane lipid rafts, *Journal of Physiology and Pharmacology*, 59 (9): 217-235; Accession number: WOS:000263169200020
2. Braicu C., **Rugină D.**, Chedea V.S., Tudoran O., Balacescu O., Neagoe I., Socaciu C., 2010. Protective action of different natural flavan-3-ols against aflatoxin B1-related cytotoxicity, *Journal of Food Biochemistry*, 34 (3): 595-610; Accession number: WOS: 000278524000009
3. Pinteana A., **Rugină D.**, Parlog R., Socaciu C., 2010. Catechin-rich green tea extract modulates the oxidative status of human retinal pigment epithelial cells, *Romanian Biotechnological Letters*, 15(1): 4964-4978; Accession number: WOS:000275272200007
4. Vicas S.I., **Rugină D.**, Leopold L., Pinteana A., Socaciu C., 2011. HPLC Fingerprint of bioactive compounds and antioxidant activities of *Viscum album* from different host trees. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 39 (1): 48-57; Accession number: WOS:000292056600007
5. Pinteana A., **Rugină D.**, Pârlog R., Socaciu C., 2011. Xanthophylls protect against induced oxidation in cultured human retinal pigment epithelial cells, *Journal of Food Composition and Analysis*, 24(6): 830-836; Accession number: WOS:000295442300012
6. Pinteana A., **Rugină D.**, Pop R., Bunea A., Socaciu C., Diehl H., 2011. Antioxidant effect of trans-resveratrol in cultured human retinal pigment epithelial cells, *Journal of Ocular Pharmacology and Therapeutics*, 27(4): 315-321; Accession number: WOS:000293388900001
7. Boca S., **Rugină D.**, Pinteana A., Barbu-Tudoran L., Aștilean S., 2011. Flower-shaped gold nanoparticles: synthesis, characterization and their application as SERS-active tags inside living cells, *Nanotechnology*, 22(5): 055702; Accession number: WOS:000285581600018
8. Bunea A., **Rugină D.**, Pinteana A., Sonta Z., Bunea C.I., Socaciu C., 2011. Comparative polyphenolic content and antioxidant activities of some wild and cultivated blueberries from Romania, *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 39(2): 70-76; Accession number: WOS:000297659600009
9. Bunea A., **Rugină D.**, Pinteana A., Andrei S., Bunea C., Pop R., Bele C., 2012. Carotenoid and fatty acid profiles of bilberries and cultivated blueberries from Romania, *Chemical Papers*, 66 (10): 935-939; Accession number: WOS:000306333200006
10. **Rugină D.**, Sonta Z., Leopold L., Bunea A., Pinteana A., Socaciu C., 2012. Antioxidant activities of chokeberry extracts and the antiproliferative potential of their anthocyanin fraction on HeLa human cervical tumor cells, *Journal of Medicinal Food*, 15(8): 700-706; Accession number: WOS:000307020300004
11. Coman C., **Rugină D.**, Socaciu C., 2012. Plants and natural compounds with diabetic action, *Notulae Botanicae Horti Agrobotanici*, 40(1): 314-325; Accession number: WOS:000306538900046

12. Bunea A., **Rugină D.\***, Sconța Z., Pop R.M., Pinteă A., Socaciu C., Tabăran F., Grootaert C., Struijs K., VanCamp J., 2013. Anthocyanin determination in blueberry extracts from various cultivars and their antiproliferative and apoptotic properties in B16-F10 metastatic murine melanoma cells, *Phytochemistry*, 95: 436-444; Accession number: WOS:000326901500041
13. Anton A.M., Pinteă A., **Rugină D.**, Sconța Z., Hanganu D., Vlase L., Benedec D., 2013. Preliminary studies on the chemical characterization and antioxidant capacity of polyphenols from *Sambucus sp.* *Digest Journal of Nanomaterials and Biostructures*, 8(3): 973-980; Accession number: WOS:000327816300007
14. Cavalu S., Ratiu C., Ponta O., Simon V., **Rugină D.**, Miclaus V., Akin I., Goller G., 2014. Improving osseointegration of alumina-zirconia ceramic implants by fluoride surface treatment, *Digest journal of nanomaterials and biostructures*, 9:2, 787-808; Accession number: WOS:000339050700035
15. Coman C., Leopold L.F., **Rugină O.D.**, Barbu-Tudoran L., Leopold N., Tofană M., Socaciu C., 2014. Green synthesis of gold nanoparticles by *Allium sativum* extract and their assesment as SERS substrate, *Journal of Nanoparticle Research*, 16 (1): 2158; Accession number: WOS:000328205300001
16. **Rugină D.**, Diaconeasa Z., Coman C., Bunea A., Socaciu C., Pinteă A., 2015. Chokeberry anthocyanin extract as pancreatic beta-cell protectors in two models of induced oxidative stress. *Oxidative Medicine and Cellular Longevity*, 429075, 10 pages; Accession number: WOS:000356689800001
17. Coman C., Leopold L., **Rugină D.**, Diaconeasa Z., Bolfă P.F., Leopold N., Tofană M., Socaciu C., 2015. Protein-capped gold nanoparticles obtained by a green synthesis method. *Studia Universitatis Babeș-Bolyai Chimia*, 60 (1): 119-126; Accession number: WOS:000369161500011
18. Diaconeasa Z., Barbu-Tudoran L., Coman C., Leopold L., Mesaros A., Pop O., **Rugină D.**, Ștefan R., Tăbăran F., Tripon S., Socaciu C., 2015. Cerium Oxide Nanoparticles and Its Cytotoxicity Human Lung Cancer Cells, *Romanian Biotechnological Letters*, 20 (4): 10679-10687; Accession number: WOS:000361481700015
19. Diaconeasa Z., Leopold L., **Rugină D.**, Ayvaz H., Socaciu C., 2015. Antiproliferative and Antioxidant Properties of Anthocyanin Rich Extracts from Blueberry and Blackcurrant Juice, *International Journal of Molecular Sciences*, 16 (2): 2352-2365; Accession number: WOS:000350333600005
20. Andrei S., Matei S., **Rugină D.**, Bogdan L., Ștefanuț C., 2016. Interrelationships between the content of oxidative markers, antioxidative status, and somatic cell count in cow's milk, *Czech Journal of Animal Science*, 61 (9): 407-413; Accession number: WOS:000386218800003
21. Diaconeasa Z., Ayvaz H., **Rugină D.\***, Leopold L., Stănilă A., Socaciu C., Tăbăran F., Luput L., Mada D.C., Pinteă A., Jefferson A., 2017. Melanoma Inhibition by Anthocyanins Is Associated with the Reduction of Oxidative Stress Biomarkers and Changes in Mitochondrial Membrane Potential, *Plant Foods for Human Nutrition*, 72(4): 404-410; Accession number: WOS:000417183700011

22. Diaconeasa Z., **Rugină D.\***, Coman C., Socaciu C., Leopold L., Vulpoi A., Tabaran F., Suci M., Mesaros A., Popa L., Pop O.L., Simon S., Pinte A., 2017. New insights regarding the selectivity and the uptake potential of nanoceria by human cells, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 532: 132-139; Accession number: WOS:000412065600019
23. **Rugină D.**, Hanganu D., Diaconeasa Z., Tabaran F., Coman C., Leopold L., Bunea A., Pinte A., 2017. Antiproliferative and Apoptotic Potential of Cyanidin-Based Anthocyanins on Melanoma Cells, *International Journal of Molecular Sciences*, 18 (5): 949; Accession number: WOS:000404113900056
24. Leopold L., Tódor I.S., Diaconeasa Z., **Rugină D.**, Ștefancu A., Leopold N., Coman C., 2017. Assessment of PEG and BSA-PEG gold nanoparticles cellular interaction, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 532: 70-76; Accession number: WOS:000412065600011
25. Bunea, A., Copaciu F. M., Pascalau S., Dulf F., **Rugină D.**, Chira R., Pinte A., 2017. Chromatographic analysis of lypophilic compounds in eggs from organically fed hens, *Journal of Applied Poultry Research*, 26(4): 498-508; Accession number: WOS:000414698100006
26. Nagy A., Catoi C., Socaciu C., Pinte A., Oros N. A., Coman C., **Rugină D.**, Matea C.T., Mocan T., Coccini T., De Simone U., De Angelis I., Bertero A., Sambuy Y., Caloni F., 2018. From 3Rs to 3D: In Vitro Alternative Models for Replacement, *ALTEX-Alternatives to animal experimentation*, 35(3): 420-42; Accession number: WOS:000438331200009
27. Popescu M., Bogdan C., Pinte A., **Rugină D.**, Ionescu C., 2018. Antiangiogenic cytokines as potential new therapeutic targets for resveratrol in diabetic retinopathy, *Drug Design Development and Therapy*, 12: 1985–1996; Accession number: WOS:000437167000002
28. **Rugină D.**, Ghiman R., Focșan M., Tabaran F., Copaciu F., Suci M., Pinte A., Aștilean S., 2019. Resveratrol-delivery vehicle with anti-VEGF activity carried to human retinal pigmented epithelial cells exposed to high-glucose induced conditions, *Colloids and Surfaces B: Biointerfaces*, 181: 66-75; Accession number: WOS:000481565300009
29. Diaconeasa Z., Iuhas C. I., Ayvaz H., **Rugină D.\***, Stanilă A., Dulf F., Bunea A., Socaci S. A., Socaciu C., Pinte A., 2019. Phytochemical Characterization of Commercial Processed Blueberry, Blackberry, Blackcurrant, Cranberry, and Raspberry and Their Antioxidant Activity. *Antioxidants*, 8, (11), 15; Accession number: WOS:000502268400036
30. Gal A. F., Dumitras D. A., Tabaran F., **Rugină D.**, Andrei S., 2019. Dietary Polyphenon E modulates the markers of oxidative stress induced by administration of MNU in rats, *Journal of Biotechnology*, 305, S80-S80; Accession number: WOS:000491118400259
31. Leopold L. F., **Rugină D.**, Oprea I., Diaconeasa Z., Leopold N., Suci M., Coman V., Vodnar D. C., Pinte A., Coman C., 2019. Warfarin-Capped Gold Nanoparticles: Synthesis, Cytotoxicity, and Cellular Uptake, *Molecules*, 24, (22), 12; Accession number: WOS:000501529700134
32. Tudor C., Torsten B., Iddir M., Dulf F. V., Focșan M., **Rugină D.**, Pinte A., 2020, Sea Buckthorn Oil as a Valuable Source of Bioaccessible Xanthophylls, *Nutrients*, 12, 76; Accession number: WOS:000516825500076

33. Gal A.F., Stan L., Tabaran F., **Rugină D.\***, Catoi A.F., Andrei S., 2020. Chemopreventive Effects of Propolis in the MNU-Induced Rat Mammary Tumor Model, *Oxidative Medicine and Cellular Longevity* Article Number: 4014838; Accession number: WOS:000522431500002
34. Campu A., Focsan M., Lerouge F., Borlan R., Tie L., **Rugină D.**, Astilean S., 2020. ICG-loaded gold nano-bipyramids with NIR activatable dual PTT-PDT therapeutic potential in melanoma cells, *Colloids and Surfaces B-Biointerfaces*, Article Number: 111213, 194; Accession number: WOS:000564601500001
35. Todor I. S., Marisca O. T., **Rugină D.**, Diaconeasa Z., Leopold L. F., Coman C., Antonescu E., Szabo L., Iancu S. D., Balint Z., Leopold N., 2020. Photothermal property assessment of gold nanoparticle assemblies obtained by hydroxylamine reduction, *Colloid and Polymer Science*, 298 (10): 1369-1377; Accession number: WOS:000560274600001
36. Leopold L. F., Marisca O., Oprea I., **Rugină D.**, Suciuc M., Nistor M., Tofana M., Leopold N., Coman, C., 2020. Cellular Internalization of Beta-Carotene Loaded Polyelectrolyte Multilayer Capsules by Raman Mapping, *Molecules*, 25(7): 12; Accession number: WOS:000531833400002
37. Stoean B., **Rugină D.**, Focsan M., Craciun A.-M., Nistor M., Lovasz T., Turza A., Porumb I-D., Gál E., Cristea C., Silaghi-Dumitrescu L., Astilean S., Gaina L., 2021. Novel (Phenothiazinyl) Vinyl-Pyridinium Dyes and Their Potential Applications as Cellular Staining Agents, *International Journal of Molecular Sciences*, 22(6): 2985; Accession number: WOS:000645827300001
38. Ghiman R., Nistor M., Focșan M., Pinteaa A., Aștilean S., **Rugină D.\***, 2021. Fluorescent Polyelectrolyte System to Track Anthocyanins Delivery inside Melanoma Cells, *Nanomaterials*, 11 (3), 782; Accession number: WOS:000633933000001
39. Nistor M., Diaconeasa Z., Frond A. D., Stirbu I., Socaciu C., Pinteaa A., **Rugină D.**, 2021. Comparative efficiency of different solvents for the anthocyanins extraction from chokeberries and black carrots, to preserve their antioxidant activity, *Chemical Papers*, 75(2), 813-822; Accession number: WOS:000570116000001
40. Nistor M., Focsan M., Gaina L., Cenariu M., Pinteaa A., Socaciu C., **Rugină D.\***, 2021 Real-time fluorescence imaging of anthocyanins complexed with diphenylboric acid 2-aminoethyl inside B16-F10 melanoma cells, *Phytochemistry*, 189, 112849; WOS:000675482200005
41. Pop R., Daescu A., **Rugină D.\***, Pinteaa A, 2022. Resveratrol: Its Path from Isolation to Therapeutic Action in Eye Diseases, *Antioxidants*, 11, 2447; Accession number: WOS:000900322000001
42. Stoia D., Pop R., Campu A., Nistor M., Astilean S., Pinteaa A., Suciuc M., **Rugină D.**, Focsan M., 2022. Hybrid polymeric therapeutic microcarriers for thermoplasmonic-triggered release of resveratrol, *Colloids and Surfaces B-Interfaces*, 2022, 220, 112915; Accession number: WOS:000875413400003
43. Nistor M., Pop R., Daescu A., Pinteaa A., Socaciu C., **Rugină D.\***, 2022. Anthocyanins as Key Phytochemicals Acting for the Prevention of Metabolic Diseases: An Overview, *Molecules*, 27, 4254; Accession number: WOS:000823862100001

44. Ghiman R., Pop R., **Rugină D.\***, Focsan M., 2022. Recent progress in preparation of microcapsules with tailored structures for bio-medical applications, *Journal of Molecular Structure*, 1248, 131366; Accession number: WOS:000702899100016
45. Stoia D., Nistor M., Suciu M., Borlan R., Campu A., **Rugină D.**, Maniu D., Astilean S., Focsan M., 2023. NIR photothermal-activable drug-conjugated microcapsules for in vitro targeted delivery and release: an alternative treatment of diabetic retinopathy, *International Journal of Pharmaceutics*, 2023, 635 Pages 122700; Accession number: WOS:000948783400001
46. Nistor M., **Rugină D.**, Diaconeasa Z., Socaciu C., Socaciu M. A., 2023. Pentacyclic triterpenoid phytochemicals with anticancer activity: Updated studies on mechanisms and targeted delivery, *International Journal of Molecular Sciences* 24 (16), 12923; Accession number: WOS:001056358800001
47. Gherasim C. E., Dulf F. V., Bunea A., **Rugină D.**, Pinteaa A., 2023. Effect of addition of rich sources of lipids on the bioaccessibility of lutein and  $\beta$ -carotene from raw baby spinach leaves, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca-Food Science and Technology*, 80 (2): 37-48; Accession number: WOS:001181798400004
48. Dăescu A.M., Nistor M., Nicolescu A., Pop R., Bunea A., **Rugină D.**, Pinteaa A., 2024, Antioxidant, Enzyme Inhibitory, and Protective Effect of *Amelanchier lamarckii* Extract, *Plants-Basel*, 13 (10): 1347; Accession number: WOS:001231312000001
49. Gherasim C. E., Focșan M., Ciont C., Bunea A., **Rugină D.**, Pinteaa A., 2024. Stability and bioaccessibility of carotenoids from *Sea buckthorn* pomace encapsulated in alginate hydrogel beads, *Nutrients*, 16 (16): 2726; Accession number: WOS:001307287600001
50. **Rugină D.**, Socaciu M.A., Nistor M., Diaconeasa Z., Cenariu M., Tabaran F.A., Socaciu, C., 2024. Liposomal and nanostructured lipid nanoformulations of a pentacyclic triterpenoid birch bark extract: structural characterization and *in vitro* effects on melanoma B16-F10 and Walker 256 tumor cells apoptosis, *Pharmaceutics*, 17 (12): 1630; Accession number: WOS:001383964800001
51. Gal M., Gaina L., Lovasz T., Gal E., Craciun A. M., Focsan M., Turza A., **Rugină D.**, Branzanic A.M.V., Pesek S., Silaghi-Dumitrescu R., Cristea C., 2024. Sonochemical synthesis, optical properties and DFT studies on novel (N-arylamino)phenothiazinium dyes suitable for fluorescence cells imaging, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 322, 124768; Accession number: WOS:001269620300001

#### Publicatii în reviste indexate ISI

1. **Preda D.**, Leopold L., Ranga F., Fetea F., Pop N., Socaciu C., 2006. Evaluation of residue composition in catechin compounds from wine industry through spectrometric and chromatographic methods, *Bulletin of University of Agricultural Sciences and Veterinary Medicine (Proceedings Series)*, 62: 338-343; Accession number: WOS:000245237700063

2. Vicaș S., Prokisch J., **Rugină D.**, Socaciu C., 2009. Hydrophilic and lipophilic antioxidant activities of mistletoe (*Viscum album*) as determined by FRAP method, *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 37 (2):112-116; Accession number: WOS:000272606600018
3. Vicaș S., **Rugină D.**, Socaciu C., 2011. Comparative study about antioxidant activities of *Viscum album* from different host trees, harvested in different seasons, *Journal of Medicinal Plants Research*, 5 (11): 2237-2244; Accession number: WOS:000297457600018
4. Diaconeasa Z., Tudoran L.B., Coman C., Leopold L., Mesaroș A., Pop O., **Rugină D.**, Socaciu C., 2015. Evaluation of antiproliferative potential of cerium oxide nanoparticles on HeLa human cervical tumor cell, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca-Food Science and Technology*, 72(1):109-114; Accession number: WOS:000422190500017
5. Diaconeasa Z., Ranga F., **Rugină D.**, Leopold L., Pop O., Vodnar D., Cuibus L., Socaciu C., 2015. Phenolic content and their antioxidant activity in various berries cultivated in Romania, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca-Food Science and Technology*, 72(1): 99-103; Accession number: WOS:000422190500015
6. Pop O. L., Leopold L. F., **Rugină D.**, Diaconeasa Z., Oprea I., Tăbăran F., Tofană M., Socaciu C., Coman C., 2016. Gold Nanoparticles Encapsulated in a Polymeric Matrix of Sodium Alginate, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca-Food Science and Technology* 73(2): 134-138; Accession number: WOS:000408454100013
7. Diaconeasa Z., **Rugină D.**, Socaciu C., 2016. High-Purity Anthocyanins Isolation Using Solid Phase Extraction Techniques, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca-Food Science and Technology*, 73:1, 1-6; Accession number: WOS:000408453000001
8. **Rugină D.**, Popescu M., Diaconeasa Z., Bunea A., Nistor M., Mada D., Ghiman R., Pinteana A., 2018. Resveratrol modulates oxidative status in Rose Bengal photosensitized retinal pigment epithelial cells, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca-Food Science and Technology*, 75(1): 61-66; Accession number: WOS:000438290300009
9. Nistor M., Ghiman R., Ayvaz H., **Rugină D.**, Mada D., Stănilă A., Socaciu C., Diaconeasa Z., 2018. Antiproliferative activity of anthocyanins pure extracts from mulberries and raspberries on HeLa and A2780 human cancer cell lines, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca-Food Science and Technology*, 75(2): 156-162; Accession number: WOS:000457209300006
10. Bunea A., **Rugină D.\***, Copaciu F., Dulf F., Veres A., Sonia S. Pinteana A., 2020. Comparative analysis of some bioactive compounds in leaves of different Aloe species, *BMC Chemistry*, 14 (1): Article Number: 67; Accession number: WOS:000583175200001.

#### Publicații indexate în baze de date internaționale (BDI)

1. **Rugină D.**, Braicu C., Ranga F., Fetea F., Petran M., Neagoe I., Socaciu C., 2007. Grape seed extract components induce stress signals in A2780 human ovarian cells, *Buletin UASMV*, Print ISSN 1843-5246, Electronic ISSN 1843-5386, 63-64: 581-587.

- <http://journals.usamvcluj.ro/index.php/agriculture/article/view/1470>
2. Vicaș S., **Rugină D.**, Socaciu C., 2008. Antioxidant activities of *Viscum album*'s leaves from various host trees, *Buletin UASMV*, Print ISSN 1843-5246, Electronic ISSN 1843-5386, 65(1): 327-332.  
<http://journals.usamvcluj.ro/index.php/agriculture/article/viewFile/685/701>
  3. Pintea A., **Rugină D.**, Momeu C., 2008. Beta-cryptoxanthin uptake in retinal pigmented epithelial cells, *Buletin UASMV*, Print ISSN 1843-5270, Electronic ISSN 1843-5378, 65(1): 182-187.  
<http://journals.usamvcluj.ro/index.php/veterinary/article/view/2521>
  4. **Rugină D.**, Pintea A., Momeu C., 2008. Epigallocatechin gallate antioxidant effect in retinal pigment epithelial cells, *Buletin UASMV*, Print ISSN 1843-5246, Electronic ISSN 1843-5386, 65(2): 379-385.  
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/947/5116>
  5. Pintea A., **Rugină D.**, Rop R, Varga A., 2009. Chlorogenic acid reduces oxidative stress in RPE cells, *Buletin UASMV*, Print ISSN 1843-5270, Electronic ISSN 1843-5378, 66(1): 220-226.  
<http://journals.usamvcluj.ro/index.php/veterinary/article/view/3891>
  6. **Rugină D.**, Pintea A., Parlog R., Varga A., 2009. Caffeic acid - potential antioxidant in cultured human retinal pigment epithelial cells, *Buletin UASMV*, Print ISSN 1843-5246, Electronic ISSN 1843-5386, 66(2): 437-443.  
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/4010>
  7. Braicu C., Berindan-Neagoe I., Tudoran O., Balacescu O., **Rugină D.**, Gherman C., Socaciu C., Irimie A., 2009. *In vitro* evaluation of the chemoprotective action of flavan-3-ols against deoxynivalenol related toxicity, *Archiva Zootehnical*, 12(3): 45-55.  
<http://www.ibna.ro/arhiva/AZ%2012-3/AZ%2012-3%2006%20Braicu.pdf>
  8. Vicaș S., Pantea S., **Rugină D.**, Socaciu C., 2009. The morphological features and UV-Vis analysis of some taxonomic markers of genus *Viscum*, *Buletin UASMV*, Print ISSN 1843-5246, Electronic ISSN 1843-5386, 66(1): 193-200.
  9. **Rugină D.**, Pintea A., Braicu C., Fârcal L., Andrei S., Socaciu C., 2009. Rosmarinic acid reduces oxidation of human retinal epithelial cells, *Lucrări Științifice USAMV, Iași, Romania* 52(11), 250-254.  
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/3770>
  10. Pintea A., **Rugină D.**, Bunea A., Andrei S., 2010. Assessment of the antioxidant potential effect of caffeic acid in retinal pigmented epithelial cells, *Bulletin UASMV*, ISSN 1843-5270; Electronic ISSN 1843-5378, 67(1): 210-216.  
<http://journals.usamvcluj.ro/index.php/veterinary/article/view/5950>
  11. Socaciu C., Trif M., **Rugină D.**, Bunea A., Aștilean S., 2010. *In vitro* behaviour and effects on cells induced by functionalized nanogold and nanosilver particles II. *In vitro* comparative studies for nanogold conjugated with glutathion in RPE D407 cell line and *Saccharomyces cerevisiae*, *UASMV*, Print ISSN 1843-5246; Electronic ISSN 1843-5386, 67(2): 413-418.

- <http://journals.usamvcluj.ro/index.php/agriculture/article/view/5156>
12. **Rugină D.**, Vicaș S., Petran M., Pinteă A., Bunea A., Socaciu C., 2010. Preliminary research regarding the antitumor effects of mistletoe on A2780 cells, *Bulletin UASVM - Animal Science and Biotechnologies*, Print ISSN 1843-5262; Electronic ISSN 1843-536X , 67(1-2): 429-436.  
<http://journals.usamvcluj.ro/index.php/zootehnie/article/view/5336>
  13. Pinteă A., **Rugină D.**, Bunea A., Andrei S., 2011. Lutein and Zeaxanthin protect against induced photosensitization in retinal pigment epithelial cells, *Acta Biologica Cracoviensia, series Botanica*, 53: 1, 101-102.  
<https://www.infona.pl/resource/bwmeta1.element.agro-861fb68a-8b35-4ddd-abdd-113f42dd5a1e>
  14. **Rugină D.**, Sconța Z., Pinteă A., Bunea A., Socaciu C., 2011. Protective effect of chokeberry anthocyanin-rich fraction at nanomolar concentrations against oxidative stress induced by high doses of glucose in pancreatic  $\beta$ -cells, *Buletin UASMV*, Print ISSN 1843-5270; Electronic ISSN 1843-5378, 68 (1): 313-319.  
<http://journals.usamvcluj.ro/index.php/veterinary/article/view/6792>
  15. Vicaș S., **Rugină D.**, Sconța Z., Pinteă A., Socaciu C., 2011. The *In Vitro* antioxidant and anti-proliferative effect and induction of phase II enzymes by a mistletoe (*Viscum Album* ) extract, *Bulletin UASVM*, Print ISSN 1843-5246; Electronic ISSN 1843-5386, 68(2): 482-491.  
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/6603>
  16. Sconța Z., **Rugină D.**, Ranga F., Pinteă A., Bunea A., 2011. Preliminary data regarding phenolic acid contain some wild and cultivated blueberries, *Bulletin UASVM*, Print ISSN 1843-5262; Electronic ISSN 1843-536X, 68(1-2): 376-380.  
<http://journals.usamvcluj.ro/index.php/zootehnie/article/view/6741>
  17. Sconța Z., Bunea A., **Rugină D.**, Pinteă A., Socaciu C., 2012. Identification and quantification of blueberry antocyanidin and their radical-scavenging activity, *Bulletin UASMV*, Print ISSN 1843-5262; Electronic ISSN 1843-536X, 69(1-2): 277-281.  
<http://journals.usamvcluj.ro/index.php/zootehnie/article/view/8500>
  18. Boca S., **Rugină D.**, Pinteă A., Leopold N., Aștilean S., 2012. Designing gold nanoparticle-ensembles as Surface Enhanced Raman Scattering tags inside human retinal cells, *Journal of Nanotechnology*, 10 pages, Article ID 961216.  
<http://www.hindawi.com/journals/jnt/2012/961216/>
  19. Pinteă A., **Rugină D.**, Bunea A., Andrei S., 2013. Impact of esterification on the antioxidant capacity of  $\beta$ -cryptoxanthin, *Bulletin UASMV*, Print ISSN 1843-5262; Electronic ISSN 1843-536X, 70(1): 79-85.  
<http://journals.usamvcluj.ro/index.php/zootehnie/article/view/9637>
  20. Sconța Z., **Rugină D.**, Ranga F., Pinteă A., Bunea A., Socaciu C., 2013. Antioxidant and antiproliferative potential of anthocyanin-rich fraction obtained from comercial juices. *Bulletin UASMV*, 52(2): 361.  
[http://www.uaiasi.ro/revista\\_horti/files/arhiva/Vol-56-2\\_2013.pdf](http://www.uaiasi.ro/revista_horti/files/arhiva/Vol-56-2_2013.pdf)

21. Sconța Z., **Rugină D.**, Ranga F., Pinteș A., Bunea A., Socaciu C., 2013. HPLC characterization of commercial available juices from Romania, *Bulletin UASMV* 56 (1): 373.  
[http://www.uaiasi.ro/revista\\_horti/files/arhiva/Vol-56-2\\_2013.pdf](http://www.uaiasi.ro/revista_horti/files/arhiva/Vol-56-2_2013.pdf)
22. Andrei S., Pinteș A., **Rugină D.**, Ștefănuț C., Bunea A., Gal A. F., 2014. Protective activity of Polyphenon E against liver protein oxidation in rats after Mnu I.P. administration, *Bulletin UASVM*, Print ISSN 1843-5270; Electronic ISSN 1843-5378, 71(1): 15-18.  
<http://journals.usamvcluj.ro/index.php/veterinary/article/view/10128>
23. Diaconeasa Z., Ranga F., **Rugină D.**, Cuiș L., Socaciu C., 2014. HPLC/PDA–ESI/MS Identification of Phenolic Acids, Flavonol Glycosides and Antioxidant Potential in Blueberry, Blackberry, Raspberries and Cranberries, *Journal of Food and Nutrition Research*, 2(11): 781-785.  
<http://pubs.sciepub.com/jfnr/2/11/4/>
24. Gherasim C. E., Bunea A., **Rugină D.**, Pinteș A., 2023. Green Extraction of Carotenoids from Sea Buckthorn Pomace-the Effect of Solvent and Extraction Method, *ProEnvironment Promediu*, 16(54): 41-50.
25. Dăescu A. M., Bunea A., **Rugină D.**, Pinteș A., 2024. *In vitro* Antioxidant Activity of Anthocyanidins from Cultivated Blueberries, *ProEnvironment Promediu* 17 (57), 57-67.

#### **Cărți științifice și contribuții în capitole de carte internațională**

1. Vicaș S., **Rugină D.**, Socaciu C., 2012. Chapter title: Antioxidant Activity of European Mistletoe (*Viscum album*), Bok title: Phytochemicals as Nutraceuticals - Global Approaches to Their Role in Nutrition and Health, Publisher: InTech, Editor: Dr Venketeshwer Rao, Pages: 115-134. ISBN: 978-953-51-0203-8.
2. Pinteș A. M., **Rugină O. D.**, 2014. Chapter title: Resveratrol and the Human Retina, Book title: Handbook of Nutrition, Diet and the Eye, Publisher: Elsevier, Editor: Victor Preedy, Pages: 481-491, ISBN: 978-0-12-401717-7.
3. Socaci S., **Rugină D.**, Zorita D., Pop O., Farcaș A., Păucean A., Tofană M., Pinteș A., 2017. Chapter title: Antioxidant compounds recovered from food wastes, Book title: Functional Food - Improve Health through Adequate Food, Publisher: Intech, ISBN 978-953-51-3440-4, Pages: 3-21, DOI: 10.5772/intechopen.69124.
4. Pinteș A., **Rugină D.**, Diaconeasa Z., 2018. Chapter title: Pharmacologically-active plant-derived natural products, Book title: Smart Nanoparticles for Biomedicine, 1st Edition, Publisher: Elsevier, Editor: Gianni Ciofani, Pages: 49-64, Paperback ISBN: 9780128141564, eBook ISBN: 9780128141571, DOI: 10.1016/B978-0-12-814156-4.00004-5
5. Diaconeasa Z. M., Frond A. D., Știrbu I., **Rugină D.**, Socaciu C., 2018. Chapter title: Anthocyanins-Smart Molecules for Cancer Prevention, Book title: Phytochemicals, Editors: T. Asao, M. Asaduzzaman, Publisher: InTech, ISBN: 978-1-78984-37, Pages: 75-93, DOI: 10.5772/intechopen.72985

6. PinteA A. M., **Rugină O. D.**, 2019. Book title: Handbook of Nutrition, Diet, and the Eye, Second Edition, Chapter 11: Resveratrol and the human retina, Section B: Macular Degeneration, Publisher: Elsevier, Editor: Victor R. Preedy and Ronald Ross Watson, ISBN: 978-0-12-815245-4, Pages: 127-145, DOI: <https://doi.org/10.1016/C2017-0-01652-X> (The Second Edition of the book contain 80% new and up-to-date information in the field).
7. **Rugină D.**, 2025. Metabolism energetic integrativ, Publisher: AcademicPress Cluj-Napoca, ISBN 978-630-309-170-9.
8. **Rugină O. D.**, PinteA A. M., 2025. Microalgae and One Health, Fundamentals, Biocompounds, and Health and Environmental Applications, Chapter 14: Antioxidant potential of microalgae, First Edition, Publisher: Academic Press, Editors: Antonio Pérez-Gálvez, Eduardo Jacob-Lopes, Leila Queiroz Zepka, María Roca, ISBN: 9780443220807, eBook ISBN: 9780443220791.

### Cărți și îndrumătoare de laborator – materiale didactice

1. Andrei S., **Rugină D.**, 2014. Biochimie si biologie moleculară, Publisher: AcademicPress, ISBN 978-973-744-353-3.
2. PinteA A., Andrei S., Bele C., **Rugină D.**, 2015. Caiet de lucrări practice: Chimie și Biochimie, Publisher: AcademicPress, ISBN 978-973-744-461-5.
3. **Rugină D.** and PinteA A., 2019. Chemistry and Structural Biochemistry: short course for veterinary students, Publisher: Academic Pres Cluj, ISBN 978-973-744-775-3.
4. **Rugină D.**, Andrei S., Nan M., PinteA A., 2024. Biochimie și Biologie Moleculară - Îndrumător de lucrări practice, Ed.Academic Pres Cluj, eISBN: 978-630-309-121-1.
5. Nan M., Andrei S., **Rugină D.**, PinteA A., 2024. Cahier de Travaux Pratique et Test pour Vérifies les Connaissances Ed.Academic Pres Cluj, e ISBN: 978-630-309-135-8.
6. **Rugină D.**, Andrei S., Pop R., PinteA A. 2024. Biochemistry and Molecular Biology - Practical workbook, Ed.Academic Pres Cluj, eISBN 978-630-309-122-8.

### Lucrări prezentate la conferințe

1. Socaciu C., Leopold L., **Preda (căs Rugină) D.**, Ranga F., Fetea F., Drăgan S., Phenolics HPLC fingerprint in functional containing different plants, in relation to their antioxidant action in vitro, Molecular and physiological effects of bioactive food compounds, COST 926/927 Conference, Vienna, Austria, 2006, 216.
2. **Preda (căs Rugină) D.**, Leopold L., Socaciu C., HPLC, TLC and UV-VIS analysis on flavan-3-ols from grape seed extract, Advanced Spectroscopies on Biomedical and Nanostructured Systems, Book of Abstracts, Cluj-Napoca, Romania, 2006, 65.
3. **Preda (căs Rugină) D.**, Ranga F., Fetea F., Socaciu C., Evaluation of grape seeds extracts in catechin compounds through spectometric and cromathographic methods, Lozenec, Bulgaria, 2007.
4. **Rugină D.**, Socaciu C., Berindan-Neagoe I., Bălăcescu O., Structure and dose related stability and antioxidant activity of catechins in abiotic vs cell environments: HPLC fingerprint and cellular markers,

- 3<sup>rd</sup> International Conference on Polyphenols and Health, 25-28 November 2007, Kyoto, Japan, 287 (P262).
5. Socaciu C., Dragan S., Ranga F., Fetea F., **Rugină D.**, HPLC/UV-VIS/ FT-IR fingerprints of antioxidants as markers of functional food authenticity, quality and functionality, 3<sup>rd</sup> International Conference on Polyphenols and Health, 25-28 November 2007, Kyoto, Japan, 179 (P72).
  6. **Rugină D.**, Momeu C., Pinteana A., Socaciu C., Galloylated catechins influence over cellular metabolism in ovarian tumor cells, 24<sup>th</sup> International Conference on Polyphenols, 8-11 July 2008, Salamanca, Spain, 2 /T5.16: (701-702).
  7. Vicaș S., **Rugină D.**, Prokisch J., Pinteana A., Socaciu C., Antioxidant activity of European Mistletoe (*Viscum album*) from different host trees, Romanian Journal of Biochemistry, SRBBM Congress, 1-3 October 2009, Cluj-Napoca, Romania 138 (P 68).
  8. Vicaș S., **Rugină D.**, Prokisch J., Socaciu C., Comparative antioxidant activity of European Mistletoe (*Viscum album*) from different host trees, The FEBS Journal – Life’s molecular interaction, 34<sup>th</sup> FEBS Congress, 4-9 July 2009, Prague Czech Republic, 276 (1):130. (P8-2972).
  9. Silva A., Rizzi F., **Rugină D.**, Coletta M., Bettuzzi S., Clusterin as a possible biomarker of response to treatment of prostate cancer cells with Polyphenon E, The FEBS Journal – Life’s molecular interaction, 34<sup>th</sup> FEBS Congress, 4-9 July 2009, Prague Czech Republic, 276 (1): 389. (YSF-96).
  10. Pinteana A., **Rugină D.**, Bunea A., Socaciu C., Xanthophylls protect against induced oxidation in cultured human RPE cells, “Pigments in Food” Budapest, Hungary, 2010, Proceeding book ISBN 978-633-9970-04-5, 283-285.
  11. **Rugină D.**, Sconța Z., Pinteana A., Bunea A., Socaciu C., Preliminary studies regarding the protective effect of cyanidin glycosides from chokeberries on  $\beta$ -pancreatic cells in high glucose oxidative stress conditions, Romanian Journal of Biochemistry 48 (*Suppl.*): 46, RSBMB International Conference, Cluj-Napoca, Romania, 2011.
  12. Coman C., Leopold L., **Rugină D.**, Socaciu C., Leopold N., Spectroscopic characterization and biocompatibility of gold nanoparticles obtained by biosynthesis using *Allium sativum*, 31<sup>st</sup> European Congress on Molecular Spectroscopy, Cluj-Napoca, Romania, 2012.
  13. Bunea A., Andrei S., **Rugină D.**, Pinteana A., Thermal and light stability of  $\beta$ -cryptoxanthin esters, “7<sup>th</sup> International Congress of Pigments in Food”, 18-21 June 2013, Novara, Italy, 170-173.
  14. **Rugină D.**, Coman C., Marișca O., Copaciu F., Diaconeasa Z., Leopold L., Leopold N., Pinteana A., An alternative diabetic retinopathy therapy: a laser triggered microsystem for controlled release of resveratrol, 30<sup>th</sup> Conference of the European Colloid and Interface Society, 4-9 September 2016, Rome, Italy.
  15. **Rugină D.**, Hanganu D., Diaconeasa Z., Coman C., Leopold L., Bunea A., Pinteana A., Elderberry-derived anthocyanins induce apoptosis and inhibit cell proliferation in melanoma cells. Pigments in Food, 28 June- 01 July 2016, Cluj-Napoca, Romania.

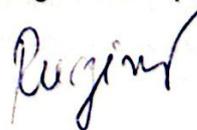
16. Diaconeasa Z., Coman C., Leopold L., **Rugină D.**, Stănilă A., Socaciu C., 2016. Anthocyanin from selected fruit inhibit cell proliferation, 7<sup>th</sup> CASEE Conference "The Role of Life Sciences in Europe's 2020 Strategy", 22-24 May 2020, Timisoara, Romania.
17. Diaconeasa Z., Leopold L., **Rugină D.**, Coman C., Suci M., Potara M., Luca L., Socaciu C., 2016. An insight into liposome-encapsulated anthocyanins formulation, 27<sup>th</sup> International Conference on Polyphenols, 11-15 July 2016, Vienna, Austria.
18. Diaconeasa Z., **Rugină D.**, Leopold L., Bunea A., Stănilă A., Socaciu C., Identification and quantification of anthocyanins in wild berries by HPLC-PDA-ESI-MS, 8<sup>th</sup> International Congress on Pigments in Food – Coloured Food for Health Benefits, 28 June – 1 July 2016, Cluj-Napoca, Romania.
19. Diaconeasa Z., Loredana L., **Rugină D.**, Coman C., Suci M., Potara M., Novel formulation of liposome-encapsulated anthocyanin, 30<sup>th</sup> Conference of the European Colloid and Interface Society, 4-9 September 2016, Rome, Italy.
20. Coman C., Leopold L., **Rugină D.**, Diaconeasa Z., Pop O.L., Tofană M., Socaciu C., Pinte A., N. Leopold, RAMAN imaging of norbixin after cellular internalization in D407 retinal pigment epithelial cells, 8<sup>th</sup> Pigments in Food, 28 June - 01 July 2016, Cluj-Napoca, Romania,
21. Oprea I., Pop O.L., Leopold L., **Rugină D.**, Tăbăran F., Tofană M., Socaciu C., Coman C., Polyelectrolyte Multilayer Capsules for Targeted Delivery of Bioactive Molecules, 15<sup>th</sup> International symposium "Prospects for 3<sup>rd</sup> milenium agriculture", Cluj-Napoca, Romania, 2016.
22. Coman C., Leopold L., **Rugină D.**, Oprea I., Diaconeasa Z., Pop O.L., Leopold N., Tofană M., Socaciu C., RAMAN imaging of carotenoids and encapsulated carotenoids after cellular uptake, 15<sup>th</sup> International symposium "Prospects for 3<sup>rd</sup> milenium agriculture", Cluj-Napoca, Romania, 2016.
23. **Rugină D.**, Diaconeasa Z., Coman C. Leopold L., Copaciu F., Truica O., Biris A., Ghiman R., Nistor M., Pinte A., Encapsulated or non-encapsulated resveratrol protects retina cells in hyperglycemia-induced stress conditions, CASEE - The ICA Regional Network for Central and South Eastern Europe, Warsaw, Poland, 2017.
24. **Rugină D.**, Diaconeasa Z., Focșan M., Copaciu F., Truică O., Ghiman R., Nistor M., Pinte A., Effects of resveratrol-loaded into polyelectrolyte multilayer microcapsules and resveratrol-free molecules in hyperglycemia-induced conditions on retina pigmented epithelial cells, 11<sup>th</sup> ISANH World Congress on Polyphenols Applications, Vienna, Austria, 2017.
25. **Rugină D.**, Diaconeasa Z., Coman C., Leopold L., Copaciu F., Truică O., Biriș A., Ghiman R., Nistor M., Pinte A., Resveratrol attenuates hyperglycemia-induced stress in human retinal cells, Annual International Conference of the Romanian Society for Biochemistry & Molecular Biology, Timișoara, Romania, 2017.
26. Socaci S., Farcas A., **Rugină D.**, Diaconeasa Z., Pop O.L., Tofana M., Influence of brewing technique on the content in bioactive compounds of spent coffee grounds, 11<sup>th</sup> World Congress on Polyphenols Applications, Vienna, Austria, 2017.

27. Diaconeasa Z., Potara M., **Rugină D.**, Leopold L., Luca L., Suci M., Stanila A., Socaciu C., Liposome-encapsulated anthocyanins inhibit cell proliferation, 8<sup>th</sup> International Conference on Polyphenols and Health, Québec, Canada, 2017.
28. Diaconeasa Z., Potara M., **Rugină D.**, Leopold L., Luca L., Suci M., Stanila A., Socaciu C., Liposome-encapsulated anthocyanins inhibit cell proliferation, melanogenesis and tyrosinase production in melanoma, 11<sup>th</sup> World Congress on Polyphenols Applications, Vienna, Austria, 2017.
29. Diaconeasa Z., **Rugină D.**, Mada D., Nistor M., Ghiman R., Stănilă A., Socaciu C., Antiproliferative activity of isolated anthocyanins on HeLa and A2780 human cancer cell lines, 16th International Symposium” Prospects for the 3<sup>rd</sup> Millennium Agriculture”, Cluj-Napoca, Romania, 2017.
30. Coman C., Leopold L., Ștefancu A., **Rugină D.**, Diaconeasa Z., Biriș A., Tofană M., Socaciu C., Pinte A., Leopold N., Raman mapping for imaging biological relevant molecules, 16th International Symposium” Prospects for the 3<sup>rd</sup> Millennium Agriculture”, Cluj-Napoca, Romania, 2017.
31. Leopold L., Coman C., Diaconeasa Z., **Rugină D.**, Socaciu C., Rapid assessment of acrylamide in potato chips by FTIR spectroscopy 16<sup>th</sup> International Symposium” Prospects for the 3<sup>rd</sup> Millennium Agriculture”, Cluj-Napoca, Romania, 2017.
32. **Rugină D.**, Ghiman R., Focșan M., Tăbăran F., Copaciu F., Suci M., Pinte A., Aștilean S., Polyelectrolyte microcapsule as target and controlled delivery systems for biomedical applications, Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology, 5-7 September 2018, Bucharest, Romania.
33. Nistor M., **Rugină D.**, Focșan M., Cenariu M., Pinte A., Socaciu C., Chokeberry anthocyanins localization and visualization enhancement via Naturstoff reagent A in B16-F10 melanoma cell line, PIM 12<sup>th</sup> International Conference, 25-27 September 2019, Cluj-Napoca, România.
34. Nistor M., Daescu A., Popan R., Boldianu A., Focsan M., Pinte A., **Rugină D.**, Fluorescent pH-sensitive nanosystems for anthocyanins delivery and tracking inside melanoma cells. 35<sup>th</sup> Conference of the European Colloid & Interface Society, 5-10 September 2021, Athens, Greece.
35. Nistor M., Focsan M., Pop R., Daescu A., Pinte A., **Rugină, D.**, Nanoparticles designed for anthocyanins transport inside melanoma cells., 20<sup>th</sup> International Conference Life Sciences for Sustainable Development, 23-24 September 2021, Cluj-Napoca, Romania.
36. Stoia, D.; Borlan, R.; Campu, A.; Pinte, A.; Focsan, M.; **Rugină, D.** Resveratrol-therapeutic agent delivered and localized via fluorescent polyelectrolyte microsystems inside living cells, 18th International Conference on Nanoscience & Nanotechnologies (NN21), 6-9 July 2021, Thessaloniki, Greece.
37. Daescu A., Ispas C., Nistor M., Pop R., Tabaran F., Diaconeasa Z., Matea C., **Rugină D.**, Pinte A. Microcapsules for a local delivery targeting the diabetic retina, 21<sup>th</sup> International Conference Life Sciences for Sustainable Development, 15-17 September 2022, Cluj-Napoca, Romania.
38. Pop R., Nistor M., Stoia D., Campu A., Focsan M., Pinte A., **Rugină, D.**, Resveratrol theranostic microsystems designed for in vitro laser-induced treatment in diabetic retinopathy, 8<sup>th</sup> EuChemS Chemistry Congress, 28 August – 1 September 2022, Lisbon, Portugal

39. Nistor M., Pop R., Focsan M., Tripon S., Barbu L., Daescu A., Boldianu A., Pinteana A., **Rugină D.**, pH-responsive nanocapsules with in vitro therapeutic action: anthocyanins encapsulation and controlled release inside B16-F10 melanoma cells, 21<sup>th</sup> International Conference Life Sciences for Sustainable Development, 15-17 September 2022, Cluj-Napoca, Romania.
40. Daescu A., Nistor M., **Rugină D.**, Nicolescu A., Pinteana A. Stability, bioaccessibility and enzyme inhibition potential of anthocyanins pigments from *Amelanchier lamarkii* berries, 10<sup>th</sup> International Symposium on Recent Advances in Food Analysis, 6-8 September 2022, Praga, Republica Cehă.
41. Socaciu M.A., **Rugină D.**, Diaconeasa Z., Nistor M., Socaciu C., Multifunctional complexes nanolipid-microbubbles for a targeted delivery of antitumor drugs by ultrasonography-assisted procedures, The Annual International Conference of RSBMB, 13-15 September 2023, Cluj-Napoca, Romania.
42. Nistor M., M Focsan, L Gaina, M Cenariu, A Pinteana, C Socaciu, **Rugină D.**, Fluorescence imaging in real-time employed to visualize the presence of anthocyanins complexed with diphenylboric acid 2-aminoethyl inside B16-F10 melanoma cells, The Annual International Conference of RSBMB, 13-15 September 2023, Cluj-Napoca, Romania.
43. **Rugină D.**, Nistor M., Diaconeasa Z., Focșan M., Găină L., Cenariu M., Pop R., Socaciu C., Pinteana A., Crimson serenade: anthocyanins orchestrating melanoma defense, revealing oxidative stress and mitochondrial membrane potential through the enchantment of fluorescence free molecules, and encapsulated brilliance, The Annual International Conference of RSBMB, 13-15 September 2023, Cluj-Napoca, Romania.
44. Pinteana A., Muntean P., Bunea A., Dulf F.V., Focșan M., Coman C., **Rugină D.**, Zeaxanthin oil-in-water nanoemulsions as delivery systems for food or nutraceuticals applications, The Annual International Conference of RSBMB, 13-15 September 2023, Cluj-Napoca, Romania.
45. Dăescu A.M., Nistor M., Focșan M., Pop R., Pinteana A., Suci M., **Rugină D.**, pH-responsive nanocapsules for anthocyanins encapsulation, delivery, intracellular tracking, and controlled release inside B16-F10 melanoma cells, The Annual International Conference of RSBMB, 13-15 September 2023, Cluj-Napoca, Romania.
46. Pop R., Boldianu A., Nistor M., Suci M., Pinteana A., Focsan M., **Rugină D.**, Resveratrol: NIR-responsive microcarrier-based polymeric delivery system to enhance its therapeutic potential towards diabetic retina cells, The Annual International Conference of RSBMB, 13-15 September 2023, Cluj-Napoca, Romania.
47. Muntean P., Pinteana A., Bunea A., Dulf F.V., Focșan M., **Rugină D.**, Carotenoid loaded nanocarriers-preparation and evaluation, The Annual International Conference of RSBMB, 13-15 September 2023, Cluj-Napoca, Romania.

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Conf. dr. Rugină Dumitrița Olivia



14