

7. Horincar, Georgiana; Enachi, Elena; Barbu, Vasilica; Andronoiu, Doina Georgeta; Râpeanu, Gabriela; Stănciuc, Nicoleta; Aprodu, Iuliana (2020). Value-Added Pastry Cream Enriched with Microencapsulated Bioactive Compounds from Eggplant (*Solanum melongena* L.) Peel. *Antioxidants*, 9, 351, [doi:10.3390/antiox9040351](https://doi.org/10.3390/antiox9040351).
8. Mihalcea, Liliana; Barbu, Vasilica; Enachi, Elena, Andronoiu, Doina Georgeta; Râpeanu, Gabriela; Stoica, Maricica; Dumitrașcu, Loredana; Stănciuc, Nicoleta (2020). Microencapsulation of Red Grape Juice by Freeze drying and Application in Jellies Formulation. *Food Technology and Biotechnology*, 58(1), <https://doi.org/10.17113/ftb.58.01.20.6429>.
9. Mune Mune, Martin; Stănciuc, Nicoleta; Grigore-Gurgu, Leontina; Aprodu, Iuliana; Borda, Daniela (2020). Structural changes induced by high pressure processing in Bambara bean proteins at different pH. *LWT - Food Science and Technology*, 124, 109187. <https://doi.org/10.1016/j.lwt.2020.109187>
10. Vasile, Aida Mihaela; Milea, Ștefania Adelina; Enachi, Elena; Barbu, Vasilica; Cîrciumaru, Adrian; Bahrim, Gabriela Elena; Râpeanu, Gabriela; Stănciuc, Nicoleta (2020). Functional enhancement of bioactives from black beans and lactic acid bacteria into an innovative food ingredient by co-microencapsulation. *Food and Bioprocess Technology*, accepted for publication. DOI: [10.1007/s11947-020-02451-8](https://doi.org/10.1007/s11947-020-02451-8)

2019

1. Apetrei, Roxana Mihaela; Cârâc, Geta; Bahrim, Gabriela Elena (2019). Sensitivity enhancement for microbial biosensors through cell Self-Coating with polypyrrole. *International Journal of Polymeric Materials and Polymeric Biomaterials*, 68(17), 1058-1067, [10.1080/00914037.2018.1525548](https://doi.org/10.1080/00914037.2018.1525548);
2. Apetrei, Roxana-Mihaela; Cârâc, Geta; Bahrim, Gabriela Elena (2019). Cell-assisted synthesis of conducting polymer - polypyrrole - for the improvement of electric charge transfer through fungal cell wall. *Colloids and Surfaces B Biointerfaces*, 175, 671-679, [10.1016/j.colsu rfb.2018.12.024](https://doi.org/10.1016/j.colsu rfb.2018.12.024);
3. Apetrei, Roxana-Mihaela; Cârâc, Geta; Bahrim, Gabriela Elena (2019). Utilization of enzyme extract self encapsulated within polypyrrole in sensitive detection of catechol. *Enzyme and Microbial Technology*, 128, 34-39, [10.1016/j.enzmictec.2019.04.015](https://doi.org/10.1016/j.enzmictec.2019.04.015).
4. Aprodu, Iuliana, Milea, Ștefania Adelina; Anghel, Roxana Mădălina; Enachi, Elena; Barbu, Vasilica; Crăciunescu, Oana; Râpeanu, Gabriela; Bahrim, Gabriela Elena; Oancea, Anca,

- Stănciuc, Nicoleta (2019). New Functional Ingredients Based on Microencapsulation of Aqueous Anthocyanin-Rich Extracts Derived from Black Rice (*Oryza sativa* L.). *Molecules*, 24(18), [10.3390/molecules24183389](https://doi.org/10.3390/molecules24183389).
5. Aprodu, Iuliana; Blaga, Georgiana; Banu, Iuliana (2019). Comparative analyses of technological performance of multigrain milling with two experimental roller mills, *Quality Assurance and Safety of Crops & Foods*, 11(2), 117-125, [10.3920/QAS2.018.1351](https://doi.org/10.3920/QAS2.018.1351).
 6. Aprodu, Iuliana; Horincar, Georgiana; Andronoiu, Doina Georgeta; Banu, Iuliana. (2019). Technological performance of various flours obtained through multigrain milling. *Innovative Food Science & Emerging Technologies*, 55, 27-34, [10.1016/j.ifset.2019.05.011](https://doi.org/10.1016/j.ifset.2019.05.011).
 7. Aprodu, Iuliana; Vasilean, Ina; Munteniță, Cristian; Pătrașcu, Livia (2019). Impact of broad beans addition on rheological and thermal properties of wheat flour based sourdoughs. *Food Chemistry*, 293, 520-528. [10.1016/j.foodchem.2019.05.007](https://doi.org/10.1016/j.foodchem.2019.05.007).
 8. Bolea, Carmen Alina; Grigore-Gurgu, Leontina; Aprodu, Iuliana; Vizireanu, Camelia; Stănciuc, Nicoleta (2019). Process -Structure -Function in Association with the Main Bioactive of Black Rice Flour Sieving Fractions. *Foods*, 8(4), [10.3390/foods8040131](https://doi.org/10.3390/foods8040131).
 9. Buzia Dumitriu, Olimpia; Ploscuțanu, Gabriela; Elisei, Alina Mihaela (2019). Tetracyclines Residues in Honey. *Revista de Chimie*, 70(5), 1544-1550. [DOI:10.37358/RC.19.5.7166](https://doi.org/10.37358/RC.19.5.7166).
 10. Condurache, Nina Nicoleta; Aprodu, Iuliana; Crăciunescu, Oana; Tatia, Rodica; Horincar, Georgiana; Barbu, Vasilica; Enachi, Elena; Râpeanu, Gabriela; Bahrim, Gabriela Elena; Oancea, Anca; Stănciuc, Nicoleta (2019). Probing the Functionality of Bioactives from Eggplant Peel Extracts Through Extraction and Microencapsulation in Different Polymers and Whey Protein Hydrolysates. *Food and Bioprocess Technology*, 12(8), 1316-1329, [10.1007/s11947-019-02302-1](https://doi.org/10.1007/s11947-019-02302-1).
 11. Constantin, Oana Emilia; Kukurova, Kristina; Dasko, Lubomir; Stănciuc, Nicoleta; Ciesarova, Zuzana; Croitoru, Constantin; Râpeanu, Gabriela (2019). Modelling Contaminant Formation during Thermal Processing of Sea Buckthorn Puree. *Molecules*, 24 (8), [10.3390/molecules24081571](https://doi.org/10.3390/molecules24081571).
 12. Constantin, Oana Emilia; Stănciuc, Nicoleta; Râpeanu, Gabriela (2019). Effect of Thermal Processing on Simultaneous Formation of Acrylamide and Hydroxymethylfurfural in

- Plum Puree. *Polish Journal of Food and Nutrition Sciences*, 69(2), 179-189, [10.31883/pjfns/106128](https://doi.org/10.31883/pjfns/106128).
13. Constantinescu, Gabriela; Buculei, A.; Alexe, Petru (2019). Migration of metallic ions from food packages during long term storage. A case study: tomato paste. *Romanian Biotechnological Letters*, 24(4), 595-606, [10.25083/rbl/24.4/595.606](https://doi.org/10.25083/rbl/24.4/595.606).
 14. Cotârleț, Mihaela; Ghinea, Ioana Otilia; Borda, Daniela; Bahrim, Gabriela Elena; Dinică, Rodica Mihaela (2019). Involvement of lytic enzymes and secondary metabolites produced by *Trichoderma* spp. in the biological control of *Pythium myriotylum*, *International Microbiology*, 1-10, [10.1007/s10123-019-00089-x](https://doi.org/10.1007/s10123-019-00089-x).
 15. Cotârleț, Mihaela; Maftai, Nicoleta Maricica; Bahrim, Gabriela Elena (2019). Increasing the fermentation efficiency of *Lactobacillus paracasei* ssp. *paracasei* MIUG BL6 in a rye flour sourdough. *Turkish Journal of Biochemistry*, 44(3), 307-315, [10.1515/tjb-2018-0017](https://doi.org/10.1515/tjb-2018-0017).
 16. Dima, Cristian; Dima, Ștefan. (2019). Water-in-Oil-in-Water double emulsions loaded with chlorogenic acid: release mechanisms and oxidative stability. *Journal of Microencapsulation*, 35(6), 584-599, [10.1080/02652048.2018.1559246](https://doi.org/10.1080/02652048.2018.1559246).
 17. Dumitrașcu, Loredana; Enachi, Elena; Stănciuc, Nicoleta; Aprodu, Iuliana (2019). Optimization of ultrasound assisted extraction of phenolic compounds from cornelian cherry fruits using response surface methodology. *Cyta-Journal of Food*, 17(1), 814-823, [10.1080/19476337.2019.1659418](https://doi.org/10.1080/19476337.2019.1659418).
 18. Dumitrașcu, Loredana; Stănciuc, Nicoleta; Grigore-Gurgu, Leontina; Aprodu, Iuliana (2019). Spectroscopic and molecular modeling investigations on heat induced behaviour of soy proteins. *Emirates Journal of Food and Agriculture*, 31(8), 569-579, [10.9755/ejfa.2019.v31.i8.1984](https://doi.org/10.9755/ejfa.2019.v31.i8.1984).
 19. Dumitrașcu, Loredana; Ursache, Florentina Mihaela; Aprodu, Iuliana; Stănciuc, Nicoleta (2019). The effect of calcium and magnesium on the interaction between β -lactoglobulin and carotenoids from sea buckthorn berries. *Luminescence*, 34(7), 739-748, [10.1002/bio.3668](https://doi.org/10.1002/bio.3668).
 20. Florescu (Gune), Iulia Elena; Burcea, Alexandru; Popa, Gina Oana; Dudu, Andreea; Georgescu, Sergiu Emil; Balas, Mihaela; Dinescu, Sorina; Voicu, Sorina; Grecu, Iulia; Dediu, Lorena; Dinischiotu, Anca; Costache Marieta (2019). Effects of starvation and refeeding on growth performance and stress defense mechanisms of stellate sturgeon

28. Ploscuțanu, Gabriela; Elisei, Alina Mihaela; Buzia Dumitriu, Olimpia (2019). Nutraceutical Properties of Apples and Derived Products (Pomace, Seeds, Peels). *Revista de Chimie*, 70(3), 981-983.
29. Popa, D.T.; Barna, Octavian; Serea, Cristian (2019). Role of green marketing in promoting organic food products in Romania. *Journal of Environmental Protection and Ecology*, 20(4), 2030–2036.
30. Savu, V.; Gheorghiu, A.; Trandafir, M.; Serea, Cristian; Barna, Octavian (2019). Influence of food behavior and physical activity in relation to the overall physical condition of Romanian students. *Progress in Nutrition*, 21(4), 1003-1010, [10.23751/pn.v21i4.8943](https://doi.org/10.23751/pn.v21i4.8943).
31. Simionov, Ira-Adeline; Cristea, Victor; Petrea, Stefan-Mihai; Sirbu, Elena Bocioc (2019). Evaluation of heavy metals concentration dynamics in fish from the black sea coastal area: An overview. *Environmental Engineering and Management Journal*, 18(5), 1097-1110.
32. Simionov; Ira-Adeline; Cristea, Victor; Petrea, Ștefan Mihai; Mogodan, Alina; Nicoară, M.; Baltag, E.; Strungaru Ș.A. (2019). Bioconcentration of Essential and Nonessential Elements in Black Sea Turbot (*Psetta Maxima Maeotica Linnaeus*, 1758) in Relation to Fish Gender. *Journal of Marine Science and Engineering*, 7, 466 - 484. [10.3390/jmse7120466](https://doi.org/10.3390/jmse7120466)
33. Tăbăcaru, Aurel; Botezatu Dedi, Andreea Veronica; Horincar, Georgiana; Furdui, Bianca; Dinică, Rodica Mihaela (2019). Green Accelerated Synthesis, Antimicrobial Activity and Seed Germination Test of Quaternary Ammonium Salts of 1,2-bis(4-pyridyl)ethane. *Molecules*, 24(13), [10.3390/molecules24132424](https://doi.org/10.3390/molecules24132424).
34. Thomas-Popo, Emalie; Mendonca, Aubrey; Dickson, James; Shaw, Angela; Coleman, Shannon; Darabă, Aura; Jackson-Davis, Armitra; Woods, Floyd (2019). Isoeugenol significantly inactivates Escherichia coli O157:H7, Salmonella enterica, and Listeria monocytogenes in refrigerated tyndallized pineapple juice with added Yucca schidigera extract. *Food Control*, 106-UNSP 1067, [10.1016/j.foodcont.2019.106727](https://doi.org/10.1016/j.foodcont.2019.106727).
35. Vintilă, Iuliana; Waisundara, V.Y.; Lelieveld, H.L.M. (2019). Current legislations in nutrition and issues requiring global harmonisation. *Quality Assurance and Safety of Crops & Foods*, 11(7), 593-601, [10.3920/QAS2018.1388](https://doi.org/10.3920/QAS2018.1388).
36. Zetzmann, M.; Bucur, Florentina Ionela; Crauwels, P.; Borda, Daniela; Nicolau, Anca Ioana; Grigore-Gurgu, Leontina; Seibold, G.M.; Riedel, C.U. (2019). Characterization of

the biofilm phenotype of a *Listeria monocytogenes* mutant deficient in agr peptide sensing. *MicrobiologyOpen*, 8(9), e826, [10.1002/mbo3.826](https://doi.org/10.1002/mbo3.826).

2018

1. Apetrei, Roxana Mihaela; Cârâc, Geta; Bahrim, Gabriela Elena; Ramanaviciene, A.; Ramanavicius, A. (2018). Modification of *Aspergillus niger* by conducting polymer, Polypyrrole, and the evaluation of electrochemical properties of modified cells, *Bioelectrochemistry*, 121, 46-55. [10.1016/j.bioelechem.2018.01.001](https://doi.org/10.1016/j.bioelechem.2018.01.001)
2. Bolea, Carmen Alina; Aprodu, Iuliana, Banu, Iuliana (2018), Impact of multigrain milling on the chemical profile of the mill streams. *Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology Food Industry*, 19(1), 73-81.
3. Coman, M.M.; Oancea, Ana Maria; Verdenelli, M.C.; Cecchini, C.; Bahrim, Gabriela Elena; Orpianesi, C.; Cresci, A.; Silvi, S. (2018). Polyphenol content and in vitro evaluation of antioxidant, antimicrobial and prebiotic properties of red fruit extracts. *European Food Research and Technology*, 244(4), 735-745. [10.1007/s00217-017-2997-9](https://doi.org/10.1007/s00217-017-2997-9).
4. Constantin, Oana Emilia; Râpeanu, Gabriela; Kukurová, K., Turturică, Mihaela; Dubová, B., Tobolková, Z., Daško, L., Ciesarová, Z., Croitoru, Constantin (2018). Antioxidative Capacity of and Contaminant Concentrations in Processed Plum Products Consumed in Romania. *Journal of Food Protection*, 81(8), 1313-1320, [10.4315/0362-028X.JFP-18-066](https://doi.org/10.4315/0362-028X.JFP-18-066).
5. Gheonea (Dima), Ionica; Aprodu, Iuliana; Râpeanu, Gabriela; Stănciuc, Nicoleta (2018). Binding mechanisms between lycopene extracted from tomato peels and bovine β -lactoglobulin. *Journal of Luminescence*, 203, 582-589. [10.1016/j.jlumin.2018.07.017](https://doi.org/10.1016/j.jlumin.2018.07.017).
6. Mihalcea, Liliana; Turturica, Mihaela; Barbu, Vasilica; Ioniță, Elena; Pătrașcu, Livia; Cotârleț, Mihaela; Dumitrașcu, Loredana; Aprodu, Iuliana; Râpeanu, Gabriela; Stănciuc, Nicoleta (2018). Transglutaminase mediated microencapsulation of sea buckthorn supercritical CO₂ extract in whey protein isolate and valorization in highly value added food products. *Food Chemistry*, 262, 30-38, [10.1016/j.foodchem.2018.04.067](https://doi.org/10.1016/j.foodchem.2018.04.067).
7. Oancea, Ana Maria; Aprodu, Iuliana; Râpeanu, Gabriela, Bahrim, Gabriela Elena, Stănciuc, Nicoleta (2018). The Binding mechanism of anthocyanins from sour cherries (*Prunus cerasus* L) skins to bovine - lactoglobulin: A fluorescence and in silico-based

- approach. *International Journal of Food Properties*, 20, S3096-S3111. [10.1080/10942912.2017.1343347](https://doi.org/10.1080/10942912.2017.1343347).
8. Oancea, Ana Maria; Mahadi, Hasan; Vasile, Aida Mihaela; Barbu, Vasilica; Enachi, Elena; Bahrim, Gabriela Elena; Râpeanu, Gabriela, Silvi, S.; Stănciuc, Nicoleta (2018). Functional evaluation of microencapsulated anthocyanins from sour cherries skins extract in whey proteins isolate. *LWT - Food Science and Technology*, 95, 129-134, <https://doi.org/10.1016/j.lwt.2018.04.083>.
 9. Oancea, Ana Maria; Onofrei, Cristina; Turturica, Mihaela; Bahrim, Gabriela Elena; Râpeanu, Gabriela; Stănciuc, Nicoleta (2018). The kinetics of thermal degradation of polyphenolic compounds from elderberry (*Sambucus nigra* L.) extract. *Food Science and Technology International*, 24(4), 361-369, [10.1177/1082013218756139](https://doi.org/10.1177/1082013218756139)
 10. Oniciuc, Elena Alexandra; Likotrafiti, E.; Alvarez-Molina, A.; Prieto, M.; Santos, J.A.; Alvarez-Ordóñez, A. (2018). The Present and Future of Whole Genome Sequencing (WGS) and Whole Metagenome Sequencing (WMS) for Surveillance of Antimicrobial Resistant Microorganisms and Antimicrobial Resistance Genes across the Food Chain. *Genes*, 9(5). [10.3390/genes9050268](https://doi.org/10.3390/genes9050268).
 11. Pintilie, V., Ene, Antoaneta; Georgescu, Puiu Lucian; Moraru, Dana Iulia; Pintilie, A. (2018). Determination of Gross Alpha, Gross Beta, and Natural Radionuclides (Po-210, Pb-210, U238, Th-232 and K-40) activity concentrations in bread and their contribution to the effective dose. *Romanian Journal of Physics*, 63, 801.
 12. Stănciuc, Nicoleta; Banu, Iuliana; Bolea, Carmen Alina; Pătrașcu, Livia; Aprodu, Iuliana (2018). Structural and antigenic properties of thermally treated gluten proteins. *Food Chemistry*, 267, 43-51 [10.1016/j.foodchem.2017.03.018](https://doi.org/10.1016/j.foodchem.2017.03.018)
 13. Stănciuc, Nicoleta; Oancea, Ana Maria; Aprodu, Iuliana, Turturică, Mihaela; Barbu, Vasilica; Ioniță, Elena; Râpeanu, Gabriela; Bahrim, Gabriela Elena (2018). Investigations on binding mechanism of bioactives from elderberry (*Sambucus nigra* L.) by whey proteins for efficient microencapsulation. *Journal of Food Engineering*, 223, 197-207. [10.1016/j.jfoodeng.2017.10.019](https://doi.org/10.1016/j.jfoodeng.2017.10.019).
 14. Stănciuc, Nicoleta; Cretu, Alexandra; Banu, Iuliana; Aprodu, Iuliana (2018). Advances on the impact of thermal processing on structure and antigenicity of chicken ovomucoid. *Journal of the Science of Food and Agriculture*, 98(8), 3119-3128. [10.1002/jsfa.8813](https://doi.org/10.1002/jsfa.8813).

12. Dumitrascu, Loredana; Stănciuc, Nicoleta; Aprodu, Iuliana (2016). New insights into xanthine oxidase behavior upon heating using spectroscopy and in silico approach. *International Journal of Biological Macromolecules*, 88, 306-312. doi: [10.1016/j.ijbiomac.2016.03.072](https://doi.org/10.1016/j.ijbiomac.2016.03.072).
13. Dumitrascu, Loredana; Stănciuc, Nicoleta; Bahrim, Gabriela Elena; Ciumac, Alexandra; Aprodu, Iuliana (2016). pH and heat-dependent behaviour of glucose oxidase down to single molecule level by combined fluorescence spectroscopy and molecular modelling. *Journal of the Science of Food and Agriculture*, 96(6), 1906-1914. doi: [10.1002/jsfa.7296](https://doi.org/10.1002/jsfa.7296).
14. Filimon, Veronica; Borda, Daniela; Alexe, Petru; Stoica, Maricica (2016). Study of PATP Impact on Food Packaging Materials. *Materiale plastice*, 53(1), 48-51.
15. Lupoae, M.; Lupoae, P.; Borda, Daniela, Cristea, Victor, Bocioc, E. (2016). Allelopathic potential of the *Ranunculus rionii lagger* and *Ceratophyllum demersum* L. extracts against microbial and microalgal cultures. *Environmental Engineering and Management Journal*, 15(2), 473-480. DOI: [10.30638/eemj.2016.050](https://doi.org/10.30638/eemj.2016.050).
16. Oniciuc, Elena Alexandra, Cerca, N., Nicolau, Anca Ioana (2016). Compositional analysis of biofilms formed by *Staphylococcus aureus* isolated from food sources. *Frontiers in Microbiology*, 7, 390. doi: [10.3389/fmicb.2016.00390](https://doi.org/10.3389/fmicb.2016.00390).
17. Șeremet, Liliana; Botez, Elisabeta; Nistor, Oana Viorela; Andronoiu, Doina Georgeta; Mocanu, Gabriel Dănuț (2016). Effect of different drying methods on moisture ratio and rehydration of pumpkin slices. *Food Chemistry*, 195:104-109. <https://doi.org/10.1016/j.foodchem.2015.03.125>.
18. Stănciuc, Nicoleta; Banu, Iuliana; Turturică, Mihaela; Aprodu, Iuliana (2016). pH and heat induced structural changes of chicken ovalbumin in relation with antigenic properties. *International Journal of Biological Macromolecules*, 93, 572-581. doi: [10.1016/j.ijbiomac.2016.09.025](https://doi.org/10.1016/j.ijbiomac.2016.09.025).
19. Turturică, Mihaela; Stănciuc, Nicoleta; Bahrim, Gabriela Elena; Râpeanu, Gabriela (2016). Effect of thermal treatment on phenolic compounds from plum (*Prunus domestica*) extracts - A kinetic study. *Journal of Food Engineering*, 171, 200-207. <https://doi.org/10.1016/j.jfoodeng.2015.10.024>.
20. Turturică, Mihaela; Stănciuc, Nicoleta; Bahrim, Gabriela Elena; Râpeanu, Gabriela (2016). Investigations on sweet cherry phenolics degradation during thermal

8. Bolocan, Andrei Sorin; Nicolau, Anca Ioana; Alvarez-Ordóñez, A.; Borda, Daniela; Oniciuc, Elena Alexandra; Stessl B.; Gurgu, Leontina; Wagner, M.; Jordan, K. (2015). Dynamics of *Listeria monocytogenes* colonisation in a newly-opened meat processing facility. *Meat Science*, 113:26–34, <http://dx.doi.org/10.1016/j.meatsci.2015.10.016>.
9. Bolocan, Andrei Sorin; Oniciuc, Elena Alexandra; Nicolau, Anca Ioana (2015). Putative Cross-Contamination Routes of *Listeria monocytogenes* in a Meat Processing Facility in Romania. *Journal of Food Protection*, 78(9):1664-1674, [doi: 10.4315/0362-028X.JFP-14-539](https://doi.org/10.4315/0362-028X.JFP-14-539).
10. Chitescu, Carmen; Kaklamanos, G.; Nicolau, Anca Ioana; Stolker, A.A.M.L. (2015). High Sensitive Multiresidue Analysis of pharmaceuticals and antifungals in surface water using U-HPLC - Q - Exactive Orbitrap HRMS. Application to the Danube River Basin on Romanian Territory. *Science of the Total Environment*, 532, 501-11, [doi: 10.1016/j.scitotenv.2015.06.010](https://doi.org/10.1016/j.scitotenv.2015.06.010).
11. Chitescu, Carmen; Nicolau, Anca Ioana (2015). Preliminary survey of pharmaceutical residues in some important Romanian rivers. *Toxicological and Environmental Chemistry*, 96(9), 1333-1345, <http://dx.doi.org/10.1080/02772248.2015.1005092>.
12. Constantin, Oana Emilia; Skrt, M.; Poklar Ulrih, N.; Râpeanu, Gabriela (2015). Anthocyanins profile, total phenolics and antioxidant activity of two Romanian red grape varieties: Fetească neagră and Băbească neagră (*Vitis vinifera*). *Chemical Papers*, 69(12), 1573–1581, [DOI: 10.1515/chempap-2015-0163](https://doi.org/10.1515/chempap-2015-0163).
13. Dima Ștefan; Dima, Cristian; Iordăchescu, Gabriela (2015). Encapsulation of Functional Lipophilic Food and Drug Biocomponents. *Food Engineering Reviews*, 7(4), 417-438, [DOI: 10.1007/s12393-015-9115-1](https://doi.org/10.1007/s12393-015-9115-1).
14. Dima, Cristia; Dima, Ștefan (2015). Essential oils in foods: Extraction, stabilization, and toxicity. *Current Opinion in Food Science*, 5, 29-35, <http://dx.doi.org/10.1016/j.cofs.2015.07.003>.
15. Dumitrașcu, Loredana; Stănciuc, Nicoleta; Aprodu, Iuliana; Ciuciu (Simion), Ana-Maria; Alexe, Petru; Bahrim, Gabriela Elena (2015). Monitoring the heat-induced structural changes of alkaline phosphatase by molecular modeling, fluorescence spectroscopy and inactivation kinetics investigations. *Journal of Food Science and Technology*, 52(10), 6290-6300, [doi: 10.1007/s13197-015-1719-1](https://doi.org/10.1007/s13197-015-1719-1).

24. Simion-Ciuciu, Ana Maria; Aprodu Iuliana; Dumitrașcu, Loredana; Bahrim, Gabriela Elena; Alexe, Petru; Stănciuc, Nicoleta (2015). Probing thermal stability of the beta-lactoglobulin-oleic acid complex by fluorescence spectroscopy and molecular modeling. *Journal of Molecular Structure*, 1095, 26-33, <http://dx.doi.org/10.1016/j.molstruc.2015.04.019>.
25. Simion-Ciuciu, Ana Maria; Aprodu Iuliana; Dumitrașcu, Loredana; Bahrim, Gabriela Elena; Alexe, Petru; Stănciuc, Nicoleta (2015). Exploring the heat-induced structural changes of β -lactoglobulin-linoleic acid complex by fluorescence spectroscopy and molecular modeling techniques. *Journal of Food science and Technology*, 52(12), 8095-8103, [10.1007/s13197-015-1949-2](http://dx.doi.org/10.1007/s13197-015-1949-2).
26. Stănciuc, Nicoleta; Aprodu Iuliana; Ioniță, Elena; Bahrim, Gabriela Elena; Râpeanu, Gabriela (2015). Exploring the process-structure-function relationship of horseradish peroxidase through investigation of pH- and heat induced conformational changes, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 147, 43-50, [doi: 10.1016/j.saa.2015.03.023](http://dx.doi.org/10.1016/j.saa.2015.03.023).
27. Ungureanu Popa, Claudia; Balaes, T.; Favier, L.; Tănase C.; Bahrim, Gabriela Elena (2015). White-rot fungus implications in clofibric acid biodegradation. *Romanian Biotechnological Letters*, 20 (3), 10388-10398.
28. Ungureanu Popa, Claudia; Favier L.; Bahrim, Gabriela Elena; Amrane A. (2015). Response surface optimization of experimental biodegradation by *Streptomyces* MIUG 4.89 conditions for carbamazepine. *New Biotechnology*, 32(3), 347-357, <http://dx.doi.org/10.1016/j.nbt.2014.12.005>.
29. Vasilean, Ina; Aprodu, Iuliana; Pătrașcu, Livia (2015). Fat content in yoghurts versus non-fat fortifying-a rheological and sensorial approach. *Studia Universitatis Babeș-Bolyai Chemia*, 60(2) tom II, 259-269.