

PROF. UNIV. DR. HABIL. OANCEA SIMONA – LISTA LUCRĂRILOR ȘTIINȚIFICE

Teza de doctorat și abilitare

Titlul de doctor în domeniul *Chimie* /anul 1999.

Titlul tezei de doctorat "Sinteza unor oligopeptide naturale și analogi cu potențială activitate biologică"

Atestatul de Abilitare și calitatea de conducător de doctorat în domeniul *Inginerie industrială* (OM nr.623/06.11.2014); "Development of high-value bioactive products for industrial applications and in lifesciences area, with emphasis on natural compounds"

Cărți și capitole în cărți din întreaga activitate

Nr. crt.	Nume, prenume autor(i)	Titlul cărții/monografiei	Editura / ISBN	Anul
1.	Oancea Simona	CHAPTER 1 "Structure, properties, metabolism and biological role of macronutrients (proteins, lipids and carbohydrates)", pp. 1-30, in "Foods that harm, foods that promote health: A biochemical and nutritional perspective" Hulea S.A and M. Ahmadi (Editors)	Universal Publisher, BrownWalker Press, Inc. California, USA, ISBN-10: 1627343474, ISBN-13: 9781627343473	2021
2.	Oancea Simona	Tehnici clasice și moderne de analiză biochimică"	Editura Universității "Lucian Blaga" din Sibiu, ISBN 978-606-12-1853-0	2021
3.	Oancea Simona	Chapter 4 "Natural extracts. Extraction methodologies – conventional and modern techniques", in "Advanced health-improved textile composites"	LAP Lambert Academic Publishing, ISBN 978-3-330-00480-1	2017
4.	Oancea Simona	capitol "Impactul poluanților organici persistenți asupra sănătății umane" pp. 57-84, în "Impactul poluanților organici persistenți asupra ecosistemelor acvatice continentale și sănătății umane", A. Curtean-Bănăduc (Editor)	Editura ULBS, 2016. ISBN 978-606-12-1411-2	2016
5.	Oancea Simona	capitol Partea II "De la culoare la sănătate: pigmenții din alimentele vegetale", în cartea "Construim împreună – valori în gastronomie" Ed. Antofie M., Sava C.	Editura ULBS, ISBN 978-606-12-1392-4	2016
6.	Stoia M., Oancea Simona	Phytopharmaceuticals market research – from herbal medicine to modern phytotherapy	LAP Lambert Academic Publishing, ISBN 978-3-659-52810-1	2014
7.	Oancea Simona	Toxicologie alimentară, curs pentru studenții la Învățământ la distanță	Editura Universității "Lucian Blaga" din Sibiu, ISBN 978-606-12-0456-4	2013
8.	Oancea Simona	Biochimia structurală a produselor alimentare, curs pentru studenții la Învățământ la distanță	Editura Universității "Lucian Blaga" din Sibiu, ISBN 978-606-12-0455-	2013
9.	Oancea Simona	cap. 32 "Metode chimice de îndepărtare a unor agenți chimici potențial toxici din apele uzate" din cartea "Apa-resursă fundamentală a dezvoltării durabile. Metode și tehnici neconvenționale de epurare și tratare a apei"	Editura Academiei Române, ISBN 978-973-27-2269-5	2012

		vol. III, coordonator Oprean L.		
10.	Oancea Simona	cap. 27 “Studii fizice, chimice și toxicologice asupra apei și sedimentului din râul Cibin” din cartea “Apa-resursă fundamentală a dezvoltării durabile. Metode și tehnici neconvenționale de epurare și tratare a apei” vol. II, coordonator Oprean L.	Editura Academiei Române, ISBN 978-973-27-2269-5	2012
11.	Oancea Simona, Bănăduc D., Oprean L.	cap. 4 “Securitatea și siguranța alimentară” din cartea “Managementul integrat strategic al combaterii inteligente a crizei alimentare globale, bazat pe bioeconomie și ecoeconomie”, coordonatori Alexandru T. Bogdan, L. Oprean, C. Oprean	Editura Academiei Române, ISBN 978-973-27-2266-4	2012
12.	Oancea Simona, A.T. Bogdan	cap. 3 “Agricultura sustenabilă” din cartea “Managementul integrat strategic al combaterii inteligente a crizei alimentare globale, bazat pe bioeconomie și ecoeconomie”, coordonatori Alexandru T. Bogdan, L. Oprean, C. Oprean	Editura Academiei Române, ISBN 978-973-27-2266-4	2012
13.	Oancea Simona, C. Oprean	cap. 2 “Strategii pentru combaterea crizei alimentare” din cartea “Managementul integrat strategic al combaterii inteligente a crizei alimentare globale, bazat pe bioeconomie și ecoeconomie”, coordonatori Alexandru T. Bogdan, L. Oprean, C. Oprean	Editura Academiei Române, ISBN 978-973-27-2266-4	2012
14.	Oancea Simona, A.T. Bogdan, C. Oprean	cap. 1 “Criza alimentară mondială: cauze, provocări, dimensiuni, perspective” din cartea “Managementul integrat strategic al combaterii inteligente a crizei alimentare globale, bazat pe bioeconomie și ecoeconomie”, coordonatori Alexandru T. Bogdan, L. Oprean, C. Oprean	Editura Academiei Române, ISBN 978-973-27-2266-4	2012
15.	Oancea Simona	Imunologie pentru studenții în profil alimentar	Editura Universității “Lucian Blaga” din Sibiu, ISBN 978-973-739-937-3	2010
16.	Stoia M., Neamțiu I. (coord.), Gurzău E., Bardac D., Oancea Simona	„Sănătate și securitate ocupațională la Coșșa Mică”	Editura Universității “Lucian Blaga” din Sibiu, Romania, ISBN 978-973-739-772-0	2009
17.	Oancea Simona	CHAPTER „Main-chain length control of conformation, membrane activity, and antibiotic properties of lipopeptaibol sequential analogues” in cartea „Peptaibiotics. Fungal peptides containing α -dialkyl α -amino acids”, C. Toniolo, H. Bruckner (Eds.), Part IV	Verlag Helvetica Chimica Acta ; Wiley-VCH, ISBN-10 3-906390-52-7, ISBN-13 978-3-906390-52-9	2009
18.	Oancea Simona	capitolul 9. „Deșeurii industriale periculoase” din cartea „Expunerea la factori de risc de la locul de muncă și din mediul ambiental” autori Bardac D.I., Gurzău E.S., Stoia M.	Editura Universității “Lucian Blaga” din Sibiu, Romania, ISBN 978-973-739-487-3	2007
19.	Oancea Simona	Biochimie ecologică	Editura Alma Mater, Sibiu, Romania, ISBN 978-973-632-389-8	2007
20.	Oancea Simona, Stoia M.	Analiza unor agenți toxici din alimente și organism	Editura Alma Mater, Sibiu, Romania, ISBN 978-973-632-390-4	2007
21.	Oancea Simona	Toxicologie alimentară și elemente de toxicologia mediului	Editura Universității “Lucian Blaga” din Sibiu, Romania, ISBN (10) 973-739-327-9 ; ISBN (13) 978-973-739-327-2	2006
22.	Oancea Simona	Căi metabolice primare în sistemele biologice	Editura Universității “Lucian Blaga”	2005

			din Sibiu, Romania, ISBN 973-739-194-2	
23.	Oancea Simona	Biochimia structurală a produselor alimentare	Editura Universității “Lucian Blaga” din Sibiu, Romania, ISBN 973-651-475-7	2002
24.	Darie N., Oancea Simona	Lucrări practice de biochimie alimentară	Editura Universității “Lucian Blaga” Sibiu, Romania, ISBN 973-9410-41-3	1999

Lucrări publicate în reviste cotate/ indexate ISI – selectiv 2010-prezent

Nr. crt.	Titlul articolului	Nume, prenume autor(i) articol	Revista (ISSN, nr. volum)	Anul publicării
1.	Low-Molecular-Weight Synthetic Antioxidants: Classification, Pharmacological Profile, Effectiveness and Trends	Stoia M., Oancea Simona	Antioxidants, 11 (4), 638	2022
2.	Aspartic Acid Stabilized Iron Oxide Nanoparticles for Biomedical Applications	Răcuciu M., Barbu-Tudoran L., Oancea Simona, Drăghici O., Morosanu C., Grigoras M., Brinză F., Creangă D.E.	Nanomaterials, 12(7), 1151	2022
3.	Effects of non-thermal postharvest irradiation of dried mushrooms on their antioxidant content and activity	Oancea Simona, Popa-Vecerdea F.M., Răcuciu M.	Rom. Rep. Phys., 73(4), 712	2021
4.	A Review of the Current Knowledge of Thermal Stability of Anthocyanins and Approaches to Their Stabilization to Heat	Oancea Simona	Antioxidants 10(9), 1337	2021
5.	Sewage Sludge Derived Materials for CO2 Adsorption	Miricioiu M.G., Zaharioiu A., Oancea Simona, Bucura F., Raboaca M.S., Filote C., Ionete, R.E., Niculescu V.C., Constantinescu, M.	Applied Sciences, 11(15), 7139	2021
6.	Characterization of the Oxidation of Magnetite Nanoparticles during Their Synthesis by Different Structural Analysis Techniques	Răcuciu M., Oancea Simona	Analytical Letters 54(1-2)	2021
7.	Optimization of conventional and ultrasound-assisted extraction of Paeonia officinalis anthocyanins, as natural alternative for a green technology of cotton dyeing	Oancea Simona, Perju M., Coman D., Olosutean H.	Rom. Biotech. Lett. 26(2), 2527-2534	2021
8.	Opportunities regarding the use of technologies of energy recovery from sewage sludge	Zaharioiu A.M., Bucura F., Ionete R.E., Marin F., Constantinescu M., Oancea Simona	SN Applied Sciences 3(9), 775	2021
9.	The impact of anthropogenic activities to the level of some POPs residues in bovine milk from several farms in Romania	Stegarus D.I., Ionete R.E., Oancea Simona, Lengyel E., Frum A.	Studia Universitatis Babes-Bolyai Chemia, LXV (65), 4, 159-176	2020

10.	An enzyme-enhanced extraction of anthocyanins from red cabbage and their thermal degradation kinetics	Tecucianu A.C., Drăghici O., Oancea Simona	Acta Alimentaria 49(2), 204-213	2020
11.	Effects of roselle extract on the oxidative stability of hempseed oil	Oancea Simona, Drăghici O., Perju M., Dulf F.V.	J. Food Nutr. Res., 59(2), 98-107	2020
12.	Influence of enzyme-aided extraction and ultrasonication on phenolics content and antioxidant activity of <i>Paeonia officinalis</i> L. petals	Oancea Simona, Perju M., Olosutean H.	J. Serb. Chem. Soc. 85(7), 845-856	2020
13.	Development of ultrasonic extracts with strong antioxidant properties from red onion wastes	Oancea Simona, Radu M., Olosutean H.	Rom. Biotech. Lett. 25(2), 1320-1327	2020
14.	Immunostimulatory potential of natural compounds and extracts: a review	Stroe A.C., Oancea Simona	Current Nutrition & Food Science 16(4), 444-454	2020
15.	From Plastic to Fuel - New Challenges	Constantinescu M., Bucura F., E.I. Ionete, D. Ion-Ebrasu, C. Sandru, A. Zaharioiu, F. Marin, M.Gh. Miricioiu, V.C. Niculescu, Oancea Simona, R.E. Ionete	Materiale Plastice, vol. 56(4), 721-729	2019
16.	Covalent graft of lipopeptides and peptide dendrimers to cellulose fibers	Orlandin A., Dolcet P., Biondi B., Hilma G., Coman D., Oancea Simona, Formaggio F., Peggion C.	Coatings 9(10), 606-611, 1-14	2019
17.	ATR-FTIR versus Raman spectroscopy used for structural analyses of the iron oxide nanoparticles	Răcuciu M., Oancea Simona	Rom. Rep. Phys. 71(3), 507	2019
18.	An experimental study on conventional and ultrasound-assisted extraction of <i>Hibiscus</i> anthocyanins for eco-dyeing of cotton substrates	Perju M., Coman D., Oancea Simona	Proceedings of the 19th International Multidisciplinary Scientific Geoconference SGEM 2019, Conference Proceedings vol. 19, issue 6.1, pp. 523-533, section Advances in Biotechnology, 20 June - 6 July, 2019, Albena, Bulgaria	2019
19.	Comparative study on plastic materials as a new source of energy	Constantinescu M., Bucura F., R.E. Ionete, V.C. Niculescu, E.I. Ionete, A. Zaharioiu, Oancea Simona, M.Gh. Miricioiu	Materiale Plastice, vol. 56(1), 41-46	2019
20.	Content of Phenolics, in vitro Antioxidant Activity and Cytoprotective Effects against Induced Haemolysis of Red Cabbage Extracts	Oancea Simona, Mila L., Ketney O.	Rom. Biotech. Lett. 24(1), 1-9	2019

21.	Covalent Graft of Lipopeptides and Peptide Dendrimers to Cellulose Fibers	A. Orlandin, P. Dolcet, B. Biondi, G. Hilma, D. Coman, S. Oancea, F. Formaggio, C. Peggion	Coatings 9(10), 606	2019
22.	ATR-FTIR versus Raman spectroscopy used for structural analyses of the iron oxide nanoparticles	Răuciu M., Oancea Simona	Rom. Rep. Phys. 71, 507	2019
23.	Comparative study on nutritional and bioactive composition of Pone-Yee-Gyi, Myanmar traditional food and its raw material, horse gram (<i>Macrotyloma uniflorum</i> L.)	Zin Mar Linn, Drăghici O., Oancea Simona	Rom. Biotech. Lett. 23(6), 14087-14096	2018
24.	Phenolics content, in vitro antioxidant and anticholinesterase activities of combined berry extracts	Oancea Simona, Călin F.	Rom. Biotech. Lett. 23(5), 14025-14034	2018
25.	Conformational properties, membrane interaction, and antibacterial activity of the peptaibiotic chalciporin A: multi-technique spectroscopic and biophysical investigations on the natural compound and labeled analogs	B. Biondi, C. Peggion, M. De Zotti, C. Pignaffo, A. Dalzini, M., Oancea Simona, G. Hilma, A. Bortolotti, L. Stella, J.Z. Pedersen, V.N. Syryamina, Y.D. Tsvetkov, S.A. Dzuba, C. Toniolo, F. Formaggio	Biopolymers (Peptide Science), vol. 110 (5), 23083-23138	2018
26.	Impact of 50 Hz magnetic field on the content of polyphenolic compounds from blackberries	Răuciu M., Oancea Simona	Bulg. Chem. Commun., vol. 50, issue 3, 393-397	2018
27.	Kinetic studies on the oxidative stabilization effect of red onion skins anthocyanins extract on parsley (<i>Petroselinum crispum</i>) seed oil	O. Drăghici, M.-L. Păcală, Oancea Simona	Food Chemistry, 265, 337-343	2018
28.	Recent aflatoxin survey data in milk and milk products: A review	Ketney O., Santini A., Oancea Simona	Int. J. Dairy Technol. 70(3), 320-331	2017
29.	Changes of total anthocyanin content and antioxidant activity in sweet cherries during frozen storage, and air-oven and infrared drying	Oancea Simona, Drăghici O., Ketney O.	Fruits 71(5), 281-288	2016
30.	Evaluation of the antioxidant efficiency of berry extracts in sunflower oil	Oancea Simona, Drăghici O., Grosu C.	Oxid. Commun. Vol. 39, No. 1, 132-144	2016
31.	Changes in total phenolics and anthocyanins during blackberry, raspberry and cherry jam processing and storage	Oancea Simona, Călin F.	Rom. Biotech. Lett. 21(1), 11232-11237	2016
32.	Oxidative stabilisation of rapeseed oil with synthetic α -tocopherol and anthocyanin extracts of blackberry, bilberry and sweet cherry fruits	Oancea Simona, Grosu C., Ketney O., Stoia M.	Oxid. Commun. Vol. 38, No. 1, 77-84	2015
33.	The effect of ultrasonic pretreatment and sample preparation on the extraction yield of antioxidant compounds and activity of black currant fruits	Oancea Simona, Ghincevici D., Ketney O.	Acta Chim. Slov., 62(1), 242-248	2015
34.	Solution synthesis, conformational analysis, and antimicrobial activity of three alamethicin F50/5 analogs bearing a trifluoroacetyl label	De Zotti M., Ballano G., Jost M., Salnikov E.S., Bechinger B., Oancea Simona, Crisma M., Toniolo C., Formaggio F.	Chem. Biodivers., 11(8), 1163-1191	2014

35.	Protective effect of <i>Allium cepa</i> L. anthocyanin extract on the oxidative stability of sunflower oil	Oancea Simona, Grosu C.	Oxid. Commun. Vol. 37, No. 2, 474-482	2014
36.	Effects of freezing and oven drying of Romanian wild and cultivated red raspberries on total anthocyanins and total antioxidant capacity	Oancea Simona, Moiseenco F., Ketney O., Traldi P.	Rom. Biotech. Lett. vol. 19, no. 2, 9240-9247	2014
37.	Sonication and conventional dyeing procedures of lignocellulosic fibres with <i>Allium cepa</i> anthocyanin extract	Coman D., Oancea Simona, Vranceanu N., Stoia M.	Cell. Chem. Technol. 48(1-2), 145-157	2014
38.	Health reasons for improving the oxidative stability of sunflower oil	Stoia M., Oancea Simona	Oxid. Commun. 36, 636+668	2013
39.	Pilot study assessing the ability of the dental spectrophotometer to measure the colour changes induced by natural pigments	Ionaş M., Oancea S., Cernusca-Mitariu M.M.	Optoelectronics and Advanced Materials-rapid communications, 7, nr. 11-12, 922-926	2013
40.	Total phenolics and anthocyanin profiles of Romanian wild and cultivated blueberries by direct infusion ESI-IT-MS/MS	Oancea Simona, Moiseenco F., Traldi P.	Rom. Biotechnol. Lett. 18, no. 3, 8350-8360	2013
41.	Conventional and ultrasound-assisted extraction of anthocyanins from blackberry and sweet cherry cultivars	Oancea Simona, Grosu C., Ketney O., Stoia M.	Acta Chim. Slov., 60(2), 383-389	2013
42.	pH and thermal stability of anthocyanin-based optimized extracts of Romanian red onion cultivars	Oancea Simona, Drăghici O.	Czech J Food Sci. 31, 283-291	2013
43.	3D structure, dynamics, and activity of synthetic analog of the peptaibiotic trichodeceni I	Gatto E., Bocchinfuso G., Palleschi A., Oancea Simona, De Zotti M., Formaggio F., Toniolo C., Venanzi M.	Chem. Biodivers. 10, 887-903	2013
44.	Spectroscopically labeled peptaibiotics. Synthesis and properties of selected trichogin GA IV analogs bearing a side-chain-monofluorinated aromatic amino acid for 19F-NMR analysis	Peggion C., Biondi B., Battistella C., De Zotti M., Oancea Simona, Formaggio F., Toniolo C.	Chem. Biodivers. 10, 904-919	2013
45.	Spectroscopically labeled peptaibiotic analogs. The 4-nitrophenylalanine infrared absorption probe inserted at different positions into trichogin GA IV	Peggion C., Biondi B., De Zotti M., Oancea Simona, Formaggio F., Toniolo C.	J. Pept. Sci. 19, 246-256	2013
46.	Effect of <i>Vaccinium myrtillus</i> anthocyanin extract on lipid oxidation in cod liver oil	Oancea Simona, Grosu C.	Rom. Biotechnol. Lett. vol. 18, no. 1, 7897-7903	2013
47.	Peptaibiotic folding and bioactivity: role of backbone endthioamide linkages	De Zotti M., Biondi B., Peggion C., De Poli M., Fathi H., Oancea Simona, Formaggio F., Toniolo C.	J. Pept. Sci. 18(S1), S66-S66	2012
48.	Partial thioamide scan on the lipopeptaibiotic trichogin GA IV. Effects on folding and bioactivity	De Zotti M., Biondi B., Peggion C., De Poli M., Fathi H., Oancea Simona, Toniolo C., Formaggio F.	Beilstein J. Org. Chem. 8, 1161-1171	2012

49.	Synthesis and preliminary conformational analysis of TOAC spin-labeled analogues of the medium-length peptaibiotic tylopeptin B	Gobbo M., Merli E., Biondi B., Oancea Simona, Toffoletti A., Formaggio F., Toniolo C.	J. Pept. Sci. 18, 37-44	2012
50.	Structure, dynamics and bioactivity of synthetic analogues of the antimicrobial peptide trichodeceniin I	Gatto E., Bocchinfuso G., Palleschi A., Stella L., Venanzi M., Oancea Simona, De Zotti M., Formaggio F., Toniolo C.	Biopolymers 96(4), 503-504	2011
51.	Antibiotic resistance of bacterial pathogens: the magnitude of the problem from two perspectives - Romanian and worldwide	Oancea Simona, Stoia M.	Rom. Biotechnol. Lett. vol. 15(5), 5519-5529	2010
52.	Individual susceptibility associated with enzymatic and cytogenetic biomarkers in occupational exposure to inorganic lead	Stoia M., Oancea Simona	Rom. J. Leg. Med., vol. XVIII(2), 141-148	2010
53.	Individual susceptibility associated with enzymatic and cytogenetic biomarkers in occupational exposure to inorganic lead	Stoia M., Oancea Simona	Rom. J. Leg. Med., vol. XVIII(2), 141-148	2010
54.	An overview of conventional and alternative strategies for developing new antibacterial agents	Oancea Simona	Acta Chim. Slov. vol. 57, 630-642	2010

Lucrări științifice publicate în reviste indexate BDI– selectiv 2010-prezent

Nr. crt.	Titlul articolului	Nume, prenume autor(i) articol	Revista (ISSN, nr. volum)	Anul publicării
1.	Research on radon (²²² Rn) content in drinking-water samples collected from Sibiu county	Tăban C.I., Oancea Simona	Current Trends in Natural Sciences, 10(20), 212-218	2021
2.	An alternative for valorization of wastes as energy source	Zaharioiu A., Bucura F., Constantinescu M., Petreanu I., Marin F., Popescu D., Sandru C., Ionete E.I., Oancea Simona, Ionete R.E.	Smart Energy and Sustainable Environment 24(2), 59-72	2021
3.	Sustainable fuels obtained from the pyrolysis process of sewage sludge	Zaharioiu A.M., Bucura F., Marin F., Ionete R.E., Oancea Simona, Constantinescu M.	Current Trends in Natural Sciences, 10(19), 16-24	2021
4.	Influence of enzymatic and ultrasonic extraction on phenolics content and antioxidant activity of <i>Hibiscus sabdariffa</i> L. flowers	Oancea Simona, Perju M.	Bulg. Chem. Commun. 52(D), 25-29	2020
5.	An overview on edible mushrooms with health benefits and applications in the food industry	Popa-Vecerdea F.M., Oancea Simona	Acta Musei Brukenthal, vol. 15, 3, 525-536	2020
6.	A historical perspective of food and medicinal uses of antioxidants from natural sources	Tecucianu A.C., Oancea Simona	Acta Musei Brukenthal, vol. 15, 3, 511-524	2020
7.	Thermochemical decomposition of sewage sludge – an eco-friendly solution for a sustainable	Zaharioiu A., Bucura F., Ionete E.I., Ionete R.E., Ebrasu D.,	Rev. Chim., 71(10), 171-181	2020

	energy future by using wastes	Sandru C., Marin F., Oancea Simona, Niculescu V., Miricioiu M.G., Constantinescu M.		
8.	Pulsed magnetic fields may affect the ultrastructure of live bacteria cells containing endogenous magnetosome chains	Miclaus S., Barbu-Tudoran L., Moiescu C., Darabant L., Bechet P., Oancea Simona, Racuciu M.	European Journal of Advances in Engineering and Technology 6(8), 1-10	2019
9.	Ultrasound-assisted and enzyme-assisted extraction of fructans and phenolics from parsnip (<i>Pastinaca sativa</i> L.)	Tecucianu A.C., Oancea Simona	Current Trends in Natural Sciences 8(15), 29-34	2019
10.	Phenolic composition and antioxidant activity of green-solvent-based extracts of red onion wastes	Oancea Simona, Radu M.	International Journal AGROFOR, 3(3), 106-113	2018
11.	Evaluation of total anthocyanins extracted from Hibiscus using different water-based systems	Tecucianu A.C., Solomon R., Oancea Simona	Analele Universității din Oradea-Fascicula Ecotoxicologie, Zootehnie și Tehnologii de Industrie Alimentară (Annals of the University of Oradea, Fascicle: Ecotoxicology, Animal Husbandry and Food Science and Technology), Vol XVII B, 185-191	2018
12.	Anthocyanins: powerful natural antioxidant pigments with significant biomedical and technological applications	Oancea Simona, Zin Mar Linn.	Oxid. Commun. Vol. 41, No. 1-I, 92-106	2018
13.	Evaluation of the content of polyphenolic-based antioxidant compounds of different flavored and non-flavored Rooibos (<i>Aspalathus linearis</i>) infusions	Neamtiu D., Oancea Simona	App. Sci. Report., 22 (3), 99-104	2018
14.	Assessment of primary and secondary oxidation products during storage and heating of linseed oil enriched with natural extract	Oancea Simona, Drăghici O.	Oxid. Commun. Vol. 40, No. 1-I, 138-148	2015
15.	Antioxidants response of two tomato varieties to fungicides and acetylsalicylic acid treatments	Horotan R.A., Oancea Simona, Apahidean A.S.	Bulletin UASVM Horticulture 72(1), 217-218	2015
16.	Total phenolics content of Romanian propolis and bee pollen	Stoia M., Cotinghiu A., Budin F., Oancea Simona	Acta Oecologica Carpatica VIII, 75-82	2015
17.	Biochemical activity via catalase of heavy metals-contaminated soil in the city of Sibiu (Transylvania, Romania)	Oancea Simona, Dragomir M., Stoia M.	Acta Oecologica Carpatica VIII, 21-28	2015
18.	Selected evidence-based health benefits of topically applied sunflower oil	Stoia M., Oancea Simona	App. Sci. Report 10(1), 45-49	2015
19.	Herbal dietary supplements consumption in Romania from the perspective of public health and education	Stoia M., Oancea Simona	Acta Medica Transilvanica vol. II, no. 2, 216-219	2013
20.	Effects of extraction conditions on bioactive	Oancea Simona, Stoia M.,	Engineering Procedia 42, 534-	2012

	anthocyanin content of <i>Vaccinium corymbosum</i> in the perspective of food applications	Coman D.	542	
21.	Workplace health promotion program on using dietary antioxidants (anthocyanins) in chemical exposed workers	Stoia M., Oancea Simona	Engineering Procedia 42, 2176-2186	2012
22.	Effects of heavy metals pollution in selected Romanian area on the activity of soil invertase	Oancea Simona, Grosu C., Stoia M.	Acta Oecologica Carpatica IV, 27-36	2011
23.	Gluten screening of several dietary supplements by immunochromatographic assay	Oancea Simona, Wagner A., Cirstea E., Sima M.	Roum. Arch. Microbiol. Immunol. vol. 70, No. 4, 174-177	2011
24.	Perspectives of improvement of human health by consumption of food plants rich in antioxidants – anthocyanins	Oancea Simona, Stoia M., Oprean L.	Acta Medica Transilvanica, anul XVI, no. 3, 59-64	2011
25.	The purification of phenolic waste waters by mediated electrooxidation with Ce ⁴⁺ /Ce ³⁺	Crețu C.M., Crișu-Bota A., Oancea Simona, Turtureanu A., Păcală M.L., Tița M.A.	Acta Univ. Cib., series E: Food Technology, vol. XV, no. 1, 31-36	2011
26.	Anthocyanins, from biosynthesis in plants to human health benefits	Oancea Simona, Oprean L.	Acta Univ. Cib., series E: Food Technology, vol. XV, no. 1, 3-17	2011
27.	Studies investigating the change in total anthocyanins in black currant with postharvest cold storage	Oancea Simona, Cotinghiu A., Oprean L.	Annals of the RSBC (Romanian Society for Cell Biology), vol. XVI, Issue 1, 359-363	2011
28.	Immunodetection of added glycomacropptide in milk formulas and milk powders	Oancea Simona, Stoia M.	Roum. Arch. Microbiol. Immunol., vol. 70, No. 1, 23-27	2011
29.	Observation study on the role of interrupted exposure in occupational lead poisoning	Stoia M., Oancea Simona, Bardac D.	Studia Univ. VG, SSV 20(1), 53-57	2010

Lucrări prezentate la conferințe (selectiv 2010-prezent)

Nr. crt.	Titlul lucrării	Nume, prenume autor(i)	Conferința, Revista (ISSN, nr. volum)	Anul publicării
1.	Contribution regarding the radioactive contamination of drinking water: health concern, regulations, methods of assessment	Tăban C., Cirican M.T., Oancea Simona	International Student Symposium "IF IM CAD" of the University of Agronomic Sciences and Veterinary Medicine of Bucharest, April 8, 2022, Bucharest, Romania	2022
2.	Improvement of total phenolic content and antioxidant activity of wild mushrooms using non-thermal pre-treatments	Popa M., Oancea Simona	FORTHEN FOOD SCIENCE LAB WORKSHOP March 14th-16th, 2022, Palermo, Italy & online, Book of Abstracts, Session "Food quality", pp.18, 2022	2022
3.	Research on radon-222 content in drinking-water samples collected from Sibiu county	Tăban C.I., Oancea Simona	International Symposium CURRENT TRENDS IN NATURAL SCIENCES, May 28 – 30, 2021 University of Pitesti, Romania, Book of abstracts pp. 124, QL-12	2021
4.	Sustainable fuels obtained from the pyrolysis process of sewage sludge	Zaharioiu A.M., Bucura F., Marin F., Ionete, Oancea	International Symposium CURRENT TRENDS IN NATURAL SCIENCES, May 28 – 30, 2021 University of Pitesti, Romania,	2021

		Simona, Constantinescu M.	Book of abstracts pp. 59, E-25	
5.	Opportunities regarding the use of technologies of energy recovery from sewage sludge	Zaharioiu A.M., Bucura F., Ionete R.E., Marin F., Constantinescu M., Oancea Simona	7th International Conference "Engineering, Environment and Materials in Process Industry" EEM 2021, Jahorina, 17-19 March 2021	2021
6.	An overview on edible mushrooms with health benefits and applications in the food industry	Popa-Vecerdea F.M., Oancea Simona	Simpozionul Național "Agricultura și implicațiile ei în alimentația și sănătatea omului" ONLINE, October 8, 2020	2020
7.	A historical perspective of food and medicinal uses of antioxidants from natural sources	Tecucianu A.C., Oancea Simona	Simpozionul Național "Agricultura și implicațiile ei în alimentația și sănătatea omului" ONLINE, October 8, 2020	2020
8.	Oxidation of magnetite nanoparticles during their synthesis	Răuciu M., Oancea Simona	12th International Conference Processes in Isotopes and Molecules PIM 2019, September 25-27, 2019, Cluj-Napoca, Romania, T4-44, pp. 106	2019
9.	Extraction of fructans from parsnip (<i>Pastinaca sativa</i>) developed by ultrasound-assisted and enzyme-assisted technologies	Tecucianu A.C., Oancea Simona	International Symposium, April 18-20, 2019, Pitesti, Romania	2019
10.	Influence of enzymatic and ultrasonic extraction on the phenolics content and antioxidant activity of <i>Hibiscus sabdariffa</i> L. flowers	Oancea Simona, Perju M.	3rd International Conference on Bio-antioxidants, Natural bio-antioxidants as an inspiration for food chemistry and pharmacy, 17-21 september 2019, Nessebar, Bulgaria, book of Abstracts, B-PP21, pp. 44.	2019
11.	An experimental study on conventional and ultrasound-assisted extraction of <i>Hibiscus</i> anthocyanins for eco-dyeing of cotton substrates	Perju M., Coman D., Oancea Simona	Proceedings of the 19th International Multidisciplinary Scientific Geoconference SGEM 2019, Conference Proceedings vol. 19, issue 6.1, pp. 523-533, section Advances in Biotechnology, 20 June - 6 July, 2019, Albena, Bulgaria	2019
12.	Evaluation of total anthocyanins extracted from <i>Hibiscus</i> using different water-based systems	Tecucianu A.-C., Solomon R., Oancea Simona	Simpozionul științific "Factori de risc pentru mediul înconjurător și siguranța alimentară" și "Resurse naturale și dezvoltare durabilă", Oradea 9-10 noiembrie 2018	2018
13.	The influence of UV-C radiation on anthocyanins recovery from <i>Hibiscus sabdariffa</i> flower and <i>Ribes nigrum</i> fruit extracts	Bibicu M., Perju M., Olosutean H., Oancea Simona	17th International Multidisciplinary Scientific GeoConference SGEM 2017, www.sgemviennagreen.org, SGEM2017 Vienna GREEN Conference Proceedings, ISBN 978-619-7408-29-4 / ISSN 1314-2704, 27 - 29 November, 2017, Vol. 17, Issue 63, 381-388 pp; DOI: 10.5593/sgem2017H/63/S25.049	2018
14.	Improvement of antioxidant and sensory properties of honey with natural extracts	Oancea Simona	Proceedings of the X Congress of the Romanian Society of Apitherapy" October 06-10, 2017, Sibiu, Romania, Eds. G. Vlăsceanu & Ș. Stângaciu, Ed. RAWEX COMS, București, pp. 73-74, 2017 ISBN 978-606-762-072-6	2018
15.	Influence of pretreatment conditions on the content of antioxidant compounds extracted from <i>Cucurbita maxima</i>	Stroe A.-C., Drăghici O., Oancea Simona	18TH INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE SGEM 2018, Section Advances in Biotechnology, 2-8 July, Albena, Bulgaria, Conference Proceedings pp. 261-267, ISSN 1314-2704	2018
16.	Polyphenolic compounds in several types of fermented tea products from <i>Camellia sinensis</i>	Z.M. Linn, Dumitru C., Oancea Simona	Proceedings of the International Conference "Agri-Food Sciences, Processes and Technologies" AGRI-FOOD 2017 – Agriculture and Food for the XXI Century, May 11-13, 2017,	2017

			Sibiu, Romania, pp. 69-75, 2017. ISSN 1843-0694	
17.	Valorisation of some indigenous plant extracts for industrial applications	Perju M., Oancea Simona	Proceedings of the International Conference "Agri-Food Sciences, Processes and Technologies" AGRI-FOOD 2017 – Agriculture and Food for the XXI Century, May 11-13, 2017, Sibiu, Romania, pp. 7-15, 2017. ISSN 1843-0694	2017
18.	Comparison between pure and blended green tea in terms of antioxidant compounds	Stoia M., Avram R., Oancea Simona	6th EuCheMS Chemistry Congress, Section of Food Chemistry, organized by European Chemical Sciences, National Chemical Society of Spain, 10-14 September, Seville, Spain. Abstract 105	2016
19.	Nutrition, health status and lipid intake in Romanian population	Stoia M., Oancea Simona	13th Euro Fed Lipid Congress "Oils, Fats and Lipids: New challenges in technology, quality control and health", organized by the European Federation for the Science and Technology of Lipids, 27-30 september, Florence, Italy, Book of Abstracts pp. 232, HENU-025	2015
20.	Evaluation of ascorbic acid and total anthocyanins in fresh cheese enriched with bilberry, cranberry and dried berries	Amăriuței M., Tița M.A., Oancea Simona	Proceedings of the International Conference "Agri-Food Sciences, Processes and Technologies" AGRI-FOOD 2015, organized by the "Lucian Blaga" University of Sibiu, AGIR Romania, Academia de Științe Agricole și Silvici "Gh. Ionescu-Sisesti", may 24-26,	2015
21.	Evaluation of total phenolics and anthocyanins of cocktail fruit teas as functional food	Stoia M., Dumitru C., Oancea Simona	8th International Congress of food technologists, biotechnologists and nutritionists, Food Nutri Biotech 2014, Integration of Science and Technology for Novel Food, Opatija, Croatia, 21-24 October. Book of Abstracts pp. 136, ISBN 978-953-99725-5-2.	2014
22.	Antioxidants response of two varieties of tomatoes after fungicides and acetylsalicylic acid treatments	Horotan R.A, Oancea Simona, Apahidean A.S.	The 13th International Symposium "Prospects for the 3rd millenium agriculture", Cluj-Napoca, Romania, 25-27 September	2014
23.	Changes of total anthocyanins content in blackberry during frozen storage and oven drying	Oancea Simona, Stoia M.	Proceedings of the International Conference "Agri-food Sciences, processes and Technologies" AGRI-FOOD 2014, May 14-15, Sibiu, Romania	2014
24.	Study regarding the protective effect of Rubus fruticosus anthocyanin extract against myoglobin oxidation in porcine Longissimus thoracis, semimembranosus and bovine Longissimus lumborum	Drăghici O., Oancea Simona	Proceedings of the WSEAS 2nd International Conference on Agricultural Science, Biotechnology, Food and Animal Science ABIFA '13, Brasov June 1-3, pp. 319-324	2013
25.	Changes of total anthocyanins content in Rubus idaeus L. during oven and infrared drying	Oancea Simona, Drăghici O., Stoia M.	EuroFoodChem XVII May 07-10, Istanbul, Turkey, Book of Abstracts, Effects of Food Processing on Food Constituents, 353	2013
26.	Effect of bilberry anthocyanin extract on lipid oxidation in fish oils	Oancea Simona, Grosu C., Oprean L.	Proceedings of the 3rd Aquatic Biodiversity International Conference, pp. 57	2011
27.	Analytical methods for testing total bioactive anthocyanins in red cabbage	Oancea Simona, Oprean L., Coman D.	Proceedings of the 3rd International Proficiency Testing Conference www.pt-conf.org , pp. 208-214,	2011
28.	Anthocyanin extracts in the perspectives of health benefits and food application	Oancea Simona, Oprean L.	Proceedings of the 18th International Economic Conference IECS 2011 "Crisis after the crisis. Inquiries from a national, european and global perspective", section III "Marketing, Commerce and Tourism and a New Paradigm of Change", Sibiu, Romania, May 19-20, pp. 229-233	2011

29.	Immunodetection of gluten in food ingredients and products	Oancea Simona, Wagner A., Cîrstea E., Sima M., Crețu C.M.	Volume of Jubilee International Conference "Agricultural and food sciences, processes and technologies", , Sibiu, Romania, 9-12 decembrie 2010, Section 1 "Present and perspectives in food", pp. 59-62	2010
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Brevete obținute în întreaga activitate

Nr. crt.	Nume, prenume autor(i)	An obținere brevet	Titlu brevet/produs
1	Oancea Simona, Stoia M., Oprean L.	2018	OSIM nr. 129691, Procedeu de stabilizare oxidativă a uleiului de pește prin adaosul unui extract antocianic crud din afine
2	Oancea Simona, Drăghici O., Perju M.	2022	OSIM; Procedeu de obținere a unei compoziții de ulei de cânepă