

UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI
FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PREZENTARE LA
CONCURS

– **OBTINEREA ATESTATULUI DE ABILITARE** –

Candidat: Conf. Dr. ing. Maria Nicoleta Badea

Departamentul de Chimie Generală

Facultatea de Chimie Aplicată și Știința

Condiții	Îndeplinire condiții	
A. Doctor	Diploma de Doctor în domeniul Chimie, 90/02.09.2005, Seria E, Nr. 0002590, emisă de Universitatea "Politehnica" București în baza Ordinului Ministrului Educației și Cercetării 3184/07.02.2005	
B. Îndeplinirea standardelor minime naționale conform OMECTS 6560/20.12.2012 (MO, I, 890 bis/27.12.2012) Conferențiar, Comisia CNATDCU nr. 8	Standarde îndeplinite conform Comisiei CNATDCU nr. 8, <i>Inginerie chimică, inginerie medicală, știința materialelor și nanomateriale</i> Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate:	
Condiții minimale	Minim prevăzut	Realizat
NTOP = număr total de articole în reviste ISI situate în top 25% (zona roșie), în calitate de autor principal	$NT \geq 4$	11
FIC = factor de impact cumulat	$FIC \geq 30$	105,29
NP = număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)	$NP \geq 20$	28
NC = număr total de citări (din baza SCOPUS)	$NC \geq 120$	657
NCO = număr contracte de cercetare-dezvoltare-inovare obținute prin competiție	$NCO \geq 1$	1- Director proiect 3 - Responsabil proiect
C. Atestarea studiilor (Diploma + Foi matricole) și a altor realizări profesionale:		
<ul style="list-style-type: none"> • Diploma de <i>Licență</i>, Profil Chimie, Specializarea Inginerie Biochimică, 2830/10.12.1998, Seria R, Nr. 0008205 (Facultatea de Chimie Industrială, Universitatea Politehnica din București). Foaie matricolă, serie R, Nr. 0008205, extras din Registrul matricol vol. 77, 13736/1993. • Diplomă de Studii Aprofundate, Specializarea Termodinamică și Electrochimie Aplicată Nr. 1397 din 20.08.2000 emisă de Universitatea Politehnica din București, seria D, nr. 0017372,). Foaie matricolă, serie D, Nr. 00702/09.05.2002. • Certificat de absolvire a pregătirii didactice, Nr. 110 din 03.02.1999 emisă de Universitatea Politehnica din București, seria B, nr. 0000860 		

Subsemnata **Badea Nicoleta**, Departamentul de Chimie Generală, Facultatea de Chimie Aplicată și Știința Materialelor, candidată la obținerea atestatului de abilitare din Domeniul de Studii Universitare **Inginerie Chimică**, arondat Comisiei de Specialitate CNATDCU [OMECTS 6573/2012] Nr. 8, Inginerie chimică, Inginerie medicală, Știința Materialelor și Nanomateriale, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 Codul Penal, că sunt îndeplinite toate Standardele minime prevăzute de Metodologia UPB 2013 pentru înscrierea la concurs [Secțiunea II.3] și OMECTS 6560/2012 [C+P], în momentul înscrierii la concurs și susțin veridicitatea informațiilor prezentate în dosar și în materialul de mai sus. Lucrările considerate a fi incluse în Baza ISI Thomson Reuters sau în alte Baze de Date Internaționale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la această data.

Candidat,
Conf. Dr. Ing. Maria Nicoleta Badea

Data,
19.04.2019

ANEXA 1

ANEXĂ LA FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PREZENTARE LA CONCURS OBTINEREA ATESTATULUI DE ABILITARE

1. Numar total de articole in reviste ISI situate in top 25 % (zona rosie) in calitate de autor principal

Nr.	Articole ISI	FI aprilie 2019	FIC aprilie 2019	NP
1	Lacatusu I., Badea N* , Stan R., Meghea A., Novel bio-active lipid nanocarriers for the stabilization and sustained release of sitosterol, Nanotechnology, ISSN: 0957- 4484, 23, 455702 (13 pp), 2012; WOS:000310579200018; Q1/2012- Materials Science, Multidisciplinary	3,440	3,440	Da Reprint autor
2	Niculae G., Lacatusu I., Badea N* , Meghea A., Lipid nanoparticles based on butyl-methoxydibenzoylmethane: In vitro UVA blocking effect, Nanotechnology, ISSN 0957-4484, 23, 315704 (10pp) 2012, WOS:000306516100018 Q1/2012- Materials Science, Multidisciplinary	3,440	3,440	Da Reprint autor
3	Lacatusu I., Mitrea, E., Badea N* , Stan R., Oprea O., Meghea A., Lipid nanoparticles based on omega-3 fatty acids as effective carriers for lutein delivery. Preparation and in vitro characterization studies, Journal of Functional Foods, ISSN 1756-4646, 5, 1 2 6 0 – 1 2 6 9, 2013, WOS:000322691600027; Q1/2019 -Food Science-&Tehnology	3,470	3,470	Da Reprint autor
4	Lacatusu I., Niculae G., Badea N* , Stan N., Popa O., Oprea O., Meghea A., Design of soft lipid nanocarriers based on bioactive vegetable oils with multiple health beneficies, Chemical Engineering Journal, 246C, pp. 311-321, 2014, ISSN: 1385-8947, WOS:000335275000035; Q1/2019 –Engineering Chemical	6,735	6,735	Da Reprint autor
5	Ott C., Lacatusu I., Badea G., Grafu I. A., Istrati D., Babeanu N., Stan R., Badea N* , Meghea A., Exploitation of amaranth oil fractions enriched in squalene for dual delivery of hydrophilic and lipophilic actives, Industrial Crops and Products, 77, 342–352, 2015, ISSN 1895-1066, WOS:000366065200041; Q1/2019-Agricultural Engineering	3,849	3,849	Da Reprint autor
6	Barbinta-Patrascu, M.E. Badea, N.* , Pirvu, C., Bacalum, M., Ungureanu, C., Nadejde, P.L., Ion, C., Rau, I., Multifunctional soft hybrid bio-platforms based on nano-silver and natural compounds, Materials Science and Engineering C, 69, 922-932, 69, 922-932, 2016, ISSN 0928-4931; WOS:000383930900106. Q1/aprilie 2019 Materials Science, Biomaterials	5,080	5,080	Da Reprint autor

7	D. Istrati, I. Lacatusu, N. Bordei, G. Badea, O. Oprea, L.M. Stefan, R. Stan, N. Badea* , A. Meghea, Phyto-mediated nanostructured vehicles based on dual vegetable actives involved in the prevention of cellular damage, <i>Material Science and Engineering C</i> , 64, 249-259, ISSN 0928-4931; WOS:000376547700030 Q1/aprilie 2019, <i>Materials Science, Biomaterials</i>	5,080	5,080	Da Reprint autor
8	Lacatusu I., Badea G., Popescu M., Bordei N., Istrati D., Moldovan L., Seciu A.M., Pandeli M.I., Rasit I., Badea N* , Marigold extract, azelaic acid and black caraway oil into lipid nanocarriers provides a strong anti-inflammatory effect <i>in vivo</i> , <i>Industrial Crops and Products</i> , 2017, 109, 141-150, ISSN 09266690, WOS:000413880300018. Q1/2019-Agricultural Engineering	3,849	3,849	Da Reprint autor
9	Lacatusu I, Arsenie LV, Badea G., Ovidiu O., Badea N* , New cosmetic formulations with broad photoprotective and antioxidative activities designed by amaranth and pumpkin seed oils nanocarriers, <i>Industrial Crops and Products</i> , 2018, 123, 424-433, ISSN 09266690, WOS:000447103900048; Q1/2019-Agricultural Engineering	3,849	3,849	Da Reprint autor
10	Lacatusu I., Badea N* , Badea G, Mihaila M, Ott C, Stan R., Meghe A., Advanced bioactive lipid nanocarriers loaded with natural and synthetic anti-inflammatory actives, <i>Chem. Eng. Sci.</i> , 200, 113-126; WOS:000461418000011; Q1/2019- Engineering Chemical	3,306	3,306	Da Reprint autor
11	Lacatusu I., Badea N* , Udeanu D., Coc L., Pop A, Cioates Negut C., Tanase C., Stan R., Meghe A., Improved anti-obesity effect of herbal active and endogenous lipids co-loaded lipid nanocarriers: preparation, <i>in vitro</i> and <i>in vivo</i> evaluation, <i>Material Science and Engineering C</i> , 2019, 99, 12-24, DOI: 10.1016/j.msec.2019.01.071; WOS:000463121200002; Q1/aprilie 2019 <i>Materials Science, Biomaterials</i>	5,080	5,080	Da Reprint autor

- *Autor de corespondenta (reprint autor)

ANEXA LA FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PREZENTARE LA CONCURS

2. Lista total articole publicate în reviste ISI (NT)

Nr	Articole ISI	FI aprilie 2019	Nr. Autor	FIC aprilie 2019	NP
	Articole ISI - autor principal				
1	Iftimie (Badea) N. , Giurginca, M., Meghea, A., “Cuantificarea stresului oxidativ în biosisteme. IV. Structuri biologice complexe, Rev. de Chimie, ISSN: 0034-7752, 55 (5), 359 – 362, 2004, WOS:000222576200020	1,412		1,412	Da
2	Iftimie (Badea) N. , Herdan, J.M., Giurginca, M., Meghea, A., “Chemiluminescence technique for the evaluation of some mineral and vegetable oils protected by antioxidants”, Rev. de Chimie, ISSN: 0034-7752, 55 (7), 512-514, 2004, WOS:000223160500010	1,412		1,412	Da
3	Iftimie (Badea) N. , Giurginca, M., Meghea, A., Papadopoulos, K., “Cuantificarea stresului oxidativ în biosisteme. III. Comportarea la peroxidare și iradiere UV a unor vitamine”, Rev. de Chimie, ISSN: 0034-7752, 55 (2), 92 – 94, 2004, WOS:000220567800004	1,412		1,412	Da
4	Iftimie (Badea) Nicoleta , Giurginca, M., Meghea, A., “Cuantificarea stresului oxidativ în biosisteme. II. Efectul ozonizării, iradierii UV și peroxidării”, Rev. de Chimie, ISSN: 0034-7752 55 (1), 18 – 21, 2004, WOS:000220186700005	1,412		1,412	Da
5	Badea N. , Giurginca, M., Meghea, A., “Complex effects of sunscreen agents and flavonoid antioxidants”, Molecular Crystal & Liquid Crystals, ISSN: 1542-1406, 486, 183-192, 2008, WOS:000252889200003	0,633		0,633	Da
6	Barbinta Patrascu M. E., Cojocariu A., Tugulea, Badea N* , Lacatusu I., Meghea A.- Nanostructures with liposomes and carbon nanotubes, J of optoelectronics and advanced materials ,ISSN 1454 - 4164, 13 (9), 1153 -1158, 2011, WOS:000297562600019	0,390		0,390	Da Reprint autor
7	Lacatusu I., Badea N* Manea A. M., Meghea A., Cryoprotector effect on main properties of lipid nanoparticles loaded with bio-active compounds, J of optoelectronics and advanced materials, ISSN 1454 - 4164, 14, 3-4, 2012, 336 - 343, WOS: 000304429900026.	0,390		0,390	Da Reprint autor
8	Lacatusu I., Badea N* , Stan R., Meghea A., Novel bio-active lipid nanocarriers for the stabilization and sustained release of sitosterol, Nanotechnology, ISSN: 0957-4484, 23, 455702 (13 pp), 2012; WOS:000310579200018	3,440		3,440	Da Reprint autor
9	Niculae G., Lacatusu I., Badea N* , Meghea A., Lipid nanoparticles based on butyl-methoxydibenzoylmethane: In vitro UVA blocking effect, Nanotechnology, ISSN 0957-4484, 23, 315704 (10pp), 2012, WOS:000306516100018	3,440		3,440	Da Reprint autor
10	Lacatusu I., Badea N* ., Oprea O., Bojin D., Meghea A.- Highly antioxidant carotene-lipid nanocarriers: synthesis and antibacterial activity, J. of Nanoparticle Research, 1388-0764, 14:902 (16 pp) 2012, WOS:000305328900035	2,127		2,127	Da Reprint autor

11	Feraru D.L., Meghea A., Badea N* . Forensic discrimination of ballpoint pen inks based on correlation of data obtained by optical and spectral methods, REV. CHIM, ISSN 0034-7752,64 (1) 74 - 80, 2013, WOS:000315934900013	1,412		1,412	Da Reprint autor
12	Barbanta Patrascu M. E., Badea N* , Meghea A., Oxidative stress studies on plant DNA exposed to ozone, J of optoelectronics and advanced materials,ISSN 1454 - 4164, 15, 5-6, 589 – 594, 2013, WOS:000322288200036	0,390		0,390	Da Reprint autor
13	Barbinta-Patrascu M.E., Bunghez I.R., Iordache S. M., Badea N* ., Fierascu R.C. Ion R. M.-Antioxidant properties of biohybrids based on liposomes and sage silver nanoparticles, J. Nanosci. Nanotechnol., ISSN: 1533-4880, 13, 2051-2060, 2013, WOS:000319027300081	1,354		1,354	Da Reprint autor
14	Lacatusu I., Mitrea, E., Badea N* , Stan R., Oprea O., Meghea A., Lipid nanoparticles based on omega-3 fatty acids as effective carriers for lutein delivery. Preparation and in vitro characterization studies, Journal of Functional Foods, ISSN 1756-4646, 5, 1 2 6 0 – 1 2 6 9, 2013, WOS:000322691600027	3,470		3,470	Da Reprint autor
15	Mitrea E., Lacatusu I., Badea N* , Ott C., Oprea O, Meghea A. , New approach to prepare willow bark extract – lipid based nanosystems with enhanced antioxidant activity, J. Nanosci. Nanotechnol., ISSN: 1533-4880, 15(6), 4080-4089, 2015, WOS:000347435300009	1,354		1,354	Da Reprint autor
16	Lacatusu I., Niculae G., Badea N , Stan R., Popa O., Oprea O., Meghea A., Design of soft lipid nanocarriers based on bioactive vegetable oils with multiple health beneficies, Chemical Engineering Journal, ISSN: 1385-8947, 246C, pp. 311-321, 2014, WOS:000335275000035	6,735		6,735	Da Reprint autor
17	C. Ott, I. Lacatusu, G. Badea, I. A. Grafu, D.Istrati, N. Babeanu, R. Stan., Badea N , A. Meghea, Exploitation of amaranth oil fractions enriched in squalene for dual delivery of hydrophilic and lipophilic actives, Industrial Crops and Products, 77, 342–352, 2015, WOS:000366065200041	3,849		3,849	Da Reprint autor
18	Barbinta-Patrascu, M.E. Badea, N.* , Pirvu, C., Bacalum, M., Ungureanu, C., Nadejde, P.L., Ion, C., Rau, I., Multifunctional soft hybrid bio-platforms based on nano-silver and natural compounds, Materials Science and Engineering C, 69, 922-932, 69, 2016, WOS:000383930900106.	5,080		5,080	Da Reprint autor
19	Istrati D., Lacatusu I., Bordei N., Badea G., Oprea O. , Stefan L.M., Stan R., Badea N* , Meghea A. , Phyto-mediated nanostructured vehicles based on dual vegetable actives involved in the prevention of cellular damage, Material Science and Engineering C, 64, 249-259, 2016,ISSN 0928-4931; WOS:000376547700030	5,080		5,080	Da Reprint autor
20	Barbinta Patrascu, M.E, Badea N* , Ungureanu, C.b, Bunghez Raluca, I., Rau, I. Gold and silver geranium biocomposites, Molecular Crystals and Liquid Crystals, 627, 1, 190-197, 2016, WOS:000378124600024;	0,633		0,633	Da Reprint autor
21	Barbinta-Patrascu, M.E., Badea, N* ., Ungureanu, C, Constantin, M, Pirvu, C., Rau, I. Silver-based biohybrids "green" synthesized from Chelidonium majus L., Optical Materials, 56, 94-99, 2016, WOS:000375517200018;	2,320		2,320	Da Reprint autor

22	I. Lacatusu, N. Badea , G. Badea, L. Brasoveanu, R. Stan, C. Ott, O. Oprea, A. Meghea, Ivy leaves extract based – lipid nanocarriers and their bioefficacy on antioxidant and antitumor activities, RSC Advances, 6, 77243 – 77255, ISSN 2046-2069, WOS: 000382482200015,	2,936		2,936	Da Reprint autor
23	Barbinta-Patrascu, M.E., Badea N* , Iordache, S.M., Petrović, S.M., Rau, I., Effect of UV irradiation on biomimetic membranes labelled with bioporphyrins, Molecular Crystals and Liquid Crystals, 655(1), pp. 87-93, 2007, WOS:000423110900010	0,633		0,633	Da Reprint autor
24	Lacatusu I., Badea G., Popescu M., Bordei N., Istrati D., Moldovan L., Seciu A.M., Pandeli M.I., Rasit I., Badea N* , Marigold extract, azelaic acid and black caraway oil into lipid nanocarriers provides a strong anti-inflammatory effect <i>in vivo</i> , <i>Industrial Crops and Products</i> , 2017, 109, 141-150, ISSN 09266690, WOS:000413880300018.	3,849		3,849	Da Reprint autor
25	Barbinta-Patrascu, M.E., Badea N* , Ungureanu, C., Iordache, S.M., Constantin, M., Purcar, V. Rau, I. Pirvu, C., Ecobiophysical aspects on nanosilver biogenerated from citrus reticulata peels, as potential biopesticide for controlling pathogens and wetland plants in aquatic media, Journal of Nanomaterials, 2017, article no 4214017, WOS:000405149800001	2,207		2,207	Da Reprint autor
26	Lacatusu I, Arsenie LV, Badea G., Ovidiu O., Badea N* , New cosmetic formulations with broad photoprotective and antioxidative activities designed by amaranth and pumpkin seed oils nanocarriers, <i>Industrial Crops and Products</i> , 2018, 123, 424-433, ISSN 09266690, WOS:000447103900048	3,849		3,849	Da Reprint autor
27	Lacatusu I., Badea N* , Badea G, Mihaila M, Ott C, Stan R., Meghe A., Advanced bioactive lipid nanocarriers loaded with natural and synthetic anti-inflammatory actives, <i>Chem. Eng. Sci.</i> , 200, 113-126; WOS:000461418000011	3,306		3,306	Da Reprint autor
28	Lacatusu I., Badea N* , Udeanu D., Coc L., Pop A , Cioates Negut C., Tanase C., Stan R., Meghe A., Improved anti-obesity effect of herbal active and endogenous lipids co-loaded lipid nanocarriers: preparation, in vitro and in vivo evaluation, <i>Material Science and Engineering C</i> , 2019, 99, 12-24, WOS:000463121200002;	5,080		5,080	Da Reprint autor
Articole ISI in calitate de coautor					
29	Papadoupulos, K., Triantis, T., Tsagaraki, K., Dimotikali, D., Iftimie (Badea) N. , Meghea, A., “Studies on the photostorage chemiluminescence of aromatic ketones with reactive oxygen species. Prospects for analytical application”, <i>J. Photochemistry and Photobiology A, Chemistry</i> , ISSN 1010-6030, 152 (1-3) 11-16, 2002, WOS:000178202600002	2,891	6	0,482	nu
30	Totir N., Lete C., Lupu S., Ungureanu E.M., Iftimie (Badea) N. The study of the electrochemical deposition of Prussian Blue onto platinum and optically transparent indium-tin oxide electrodes, <i>Revista de Chimie</i> , 53 (5), pp. 346-350, ISSN: 0034-7752, WOS:000177305200006	1,412	5	0,282	nu
31	Ivan, G., Meghea, A., Giurginca, M., Iftimie (Badea) N. , “Protection of rubber vulcanizates with couples of diamine antidegradants and selected additives, ISSN 0025-5289, <i>Materiale Plastice</i> , 40 (2), 63 – 66, 2003, WOS:000184497500001	1,248	4	0,312	nu

32	Emandi, A., Călinescu, M., Iftimie(Badea) N. , Complexes with mixed (OO) and (ONO) donor groups. I. Synthesis and characterization of Ni(II), Pt(II), Cu(II), VO(IV) new complexes with 1-phenyl-3-methyl-4-azo-(2-carboxy-phenyl)-pyrazol-5-one and allylacetate as ligands, Revista de Chimie, 54 (7), pp. 569-572, 2003, ISSN: 0034-7752, WOS:000185562900004	1,412	3	0,471	nu
33	Emandi A., Calinescu M., Iftimie (Badea) N. , "Complexes with Mixed (OO) and (ONO) donor groups.PART II. Synthesis and Characterization of VO (IV), Fe(III), Co(II), Ni (II), Cu (II), Zn (II). New Complexes with 1-phenyl-3-methyl-4-azo-(2-carboxy-phenyl)-pyrazol-5-one, 1-(2-benzthiazolyl)-3-methyl-4-azo-(4-nitro-phenyl)-pyrazol-5-one and allylacetate as Ligands", Rev. de Chimie, 54, 8, 661 – 665, 2003, ISSN: 0034-7752, WOS:000186321000002	1,412	3	0,471	nu
34	Iosub, I., Meghea, A., Giurginca, M., Iftimie (Badea) N. , Malinovschi, V., Ducu, C., "Caracterizarea unor chinone și derivaților acestora prin spectroelectrochimie și chemiluminescență în mediu aprotic", Rev. de Chimie, (10), 819-823, 2003, ISSN: 0034-7752, WOS:000187240100006	1,412	6	0,235	nu
35	Meghea, A., Iftimie (Badea) N. , Giurginca, M., Papadopoulos, K., "Cuantificarea stresului oxidativ în biosisteme. I. Testarea prin chemiluminescență a activității antioxidante a unor molecule de interes biologic", Rev. de Chimie, 54 (11), 885 – 887, 2003, ISSN: 0034-7752, WOS:000187240300005	1,412	6	0,235	nu
36	Ivan, G., Meghea, A., Giurginca, M., Iftimie (Badea) N. , "Thermooxidative destruction of some elastomers with a high content of 3,4 isoprene units", Polymer Degradation and Stability, 80, (3), 397 – 402, 2003, WOS:000184497500001	3,193	4	0,798	nu
37	Meghea, A., Iftimie(Badea) N. , Giurginca, M., „Estimarea efectului antioxidant al extractelor din plante prin chemiluminescenta“ Rev. de Chimie,55 (12), 1025-1028, 2004, ISSN: 0034-7752, WOS:000220738900002	1,412	3	0,471	nu
38	M. Giurginca, N. Iftimie (Badea) , G. Ivan -Kinetic characteristics of destruction process of elastomer protected by quinoneimines, Materiale Plastice, ISSN 0025-5289,41 (4), 200 - 202, 2004, WOS:000226663300002	1,248	3	0,416	nu
39	Giurginca M., Ivan G., Iftimie (Badea), N „Protection of vulcanizates by synergistic system of antidegradants, Materiale Plastice, 41 (1), 7 -10, 2004, WOS:000220738900002	1,248	3	0,416	nu
40	Meghea, A., Giurginca, M., Iftimie(Badea) N. , Miu, L., Bocu, V., Budrugaac, P., "Behavior to accelerate ageing of some natural biopolymer constituents of parchment", Molecular Crystals and Liquid Crystals, 418, 285-290, 2004, ISSN: 1542-1406, WOS:000224980600023	0,633	6	0,106	nu
41	Meghea, A, Iftimie(Badea) N. , Giurginca, M. The estimation of the antioxidant effect of plants extracts by chemiluminescence, Revista de chimie, 55 (12), 1025-1028, ISSN: 0034-7752, WOS:000226311800024	1,412	3	0,471	nu
42	Aldea E., Badea N , Demetrescu I., "Comportarea aliajelor de Ti6Al4V in electrolizi care simulează biolichide specifice în cavitatea bucală", Rev. de Chimie, 56 (5), 508 – 510, 2005, ISSN: 0034-7752, WOS:000231256800014	1,412	3	0,471	nu

43	Bogdanescu, V., Giurginca, M., Iftimie (Badea) N. , Mihalache, R., Meghea, A., „Depistarea falsurilor din cafea prin metode spectrale”, Rev. de Chimie, 56 (4), 378 – 381, 2005, ISSN: 0034-7752, WOS:000229981900013	1,412	5	0,282	nu
44	Miu, L., Giurginca, M., Budruga, P., Iftimie (Badea) N. , Meghea, A., “Principii metodologice pentru evaluarea obiectelor de patrimoniu și pergament (I)”, Rev. de Chimie, 56 (3), 248 – 250, 2005, ISSN: 0034-7752, WOS:000229107600012	1,412	5	0,282	nu
45	Patron, L., Giurginca, M., Pătrănoiu, G. M., Iftimie (Badea) N. , Meghea, A., “Influence of some therapeutically active guanides and their metal complexes on the antioxidant activity”, Revue Roum. Chimie, 50 (6), 457-464, 2005, ISSN: 0035-3930, WOS:000233575500005	0,370	5	0,074	nu
46	M. Elisa, C.E.A. Grigorescu, C. Vasiliu, M. Bulinski, V. Kuncser, D. Predoi, G. Filoti, A. Meghea, Iftimie (Badea) N. , M. Giurginca “Optical and electronic properties of the aluminophosphate glasses doped with 3d- transition metal ions”, Reviews on Advanced Materials Science 10 (4), 367 – 374, 2005, ISSN: 1606-5131; WOS:000232984200016	2,172	10	0,217	nu
47	Elisa, M., Vasiliu, C., Meghea, A., Iftimie (Badea) N. , Giurginca, M., Trodahl, H.J., Dalley, M., „CdSSe doped aluminophosphate glasses obtained by a wet method”, Physics and Chemistry of Glasses, 46, (6), 553-558, 2005, WOS:000235911300005,	0,599	7	0,086	nu
48	Iosub, I., Giurginca, M., Iftimie (Badea) N. , Meghea, A., “Redox properties of some aminoacids and proteins”, Molecular Crystals and Liquid Crystals, 448, 39 – 49, 2006, ISSN: 1542-1406, WOS:000235404700003	0,630	4	0,158	nu
49	Meghea, A., Cremenescu, E., Iftimie (Badea) Nicoleta , Giurginca, M., Trandafir, V., “New nanostructured complex systems with antioxidant and photoprotective activity”, Molecular Crystals and Liquid Crystals, ISSN: 1542-1406; 448, 51- 60, 2006, WOS:000235404700004	0,630	5	0,126	nu
50	Peydecastaing, J., Bras, J., Vaca-Garcia, C., Borredon, E., Iftimie (Badea) N. , Giurginca, M., Meghea, A., “NIR study of chemically modified cellulosic biopolymers”, Molecular Crystals and Liquid Crystals, 448, 115 -122, 2006, ISSN: 1542-1406, WOS:000235404700010	0,630	7	0,090	nu
51	Ivan, G., Giurginca, M., Badea N , Meghea, A., “Natural antioxidants for thermo-oxidative stabilization of elastomers”, Rev. Roumaine Chim, 51 (3), 205-210, 2006, ISSN: 0035-3930, WOS:000240447100007	0,331	4	0,083	nu
52	Elisa, M., Vasiliu, I. C., Grigorescu, C.E.A., Grigoras, B., Niciu, H., Niciu, D. Meghea, A., Iftimie (Badea) N. , Giurginca, M., Trodahl, H.J., Dalley, M., “Optical and structural investigation on rare-earth-doped aluminophosphate glasses”, Optical Materials, 28, 621-625, 2006, ISSN: 0925-3467, WOS:000236916500011	2,320	11	0,211	nu
53	Elisa, M., Grigorescu, C., Vasiliu, I., Bulinski, M., Kuncser, V., Predoi, D., Filoti, G., Meghea, A., Iftimie (Badea) N. , Giurginca, M., Onose, C., “Optical characterization of the phosphate glasses containing pair transition ions”, Optical and Quantum Electronics, 39 (4-6), 523-531, 2007, WOS:000248827100025	1,055	11	0,096	nu
54	Aldea E., Badea N , Demetrescu I., “Evaluating titanium alloys’ bioactivity in terms of hydroxyapatite (HA) forming capability”,	1,412	3	0,471	nu

	Rev. Chimie, 58(9), pp. 918 – 922, 2007, ISSN 0034-7752, WOS:000250636800014				
55	Onose C., Onose C. S., Mihaly M., Badea N , Niciu H., Niciu D., Elişa M., “The synthesis of nanocrystalline electroluminescent chalcogenides”, Journal of Optoelectronics and Advanced Materials, 1454-4164, 9(10) 2007, WOS:000250711500047	0,390	7	0,056	nu
56	Giurginca, M., Badea, N. , Miu, L., Meghea, A., “Spectral techniques for identifying tanning agents in the heritage leather items” Rev. Chimie, 58, 9, 923-928, 2007, ISSN: 0034-7752, WOS:000250636800015	1,412	4	0,353	nu
57	Badea E., Miu L., Budrugaec P., Giurginca M., Mašić A., Badea N. , Gatta G. D., “Study of deterioration of historical parchments by various thermal analysis techniques, complemented by SEM, FTIR, UV-VIS-NIR and unilateral NMR, Journal of Thermal Analysis and Calorimetry, 91 (1) ,17-27, 2008, ISSN 1388-6150, WOS:000252889200003	2,209	7	0,316	nu
58	Bancu, L., Badea, N. , Nita, R., Meghea, A., “Enhanced fluorescence of Ni(II) complex compounds in the presence of DNA components”, Molecular Crystal&Liquid Crystals, ,486, 230-238, 2008, ISSN: 1542-1406, WOS:000256186000023	0,633	4	0,158	nu
59	Nita, R.M., Badea, N. , Bancu, L., Meghea, A., “Preliminary results for DNA-surfactant Ni(II) complex structures inclusions into organic-inorganic nano-composites”, Molecular Crystal & Liquid Crystals, 486, 239-243, 2008, ISSN: 1542-1406, WOS:000256186000024	0,633	4	0,158	nu
60	Barbinta-Patrascu, M.E., Badea, N. , Tugulea, L.G., Giurginca, M., Meghea, A., „Oxidative stress simulation on chlorophyll a lipid model membranes – Chemiluminescent studies”, Rev. Chimie, 59, 8, 834-837, 2008, ISSN: 0034-7752; WOS:000260067700002	1,412	5	0,282	nu
61	Lacatusu I., Badea N , Bojin D., Iosub S., Meghea A., “Novel fluorescence nanostructured materials obtained by entrapment of an ornamental bush extract in hybrid silica glass”, Journal of Sol-Gel Science and Technology, 51 (1), 84-91, 2009, ISSN: 0928-0707 WOS:000266482900013	1,412	5	0,282	nu
62	Lacatusu I., Badea N , Nita R., Giurginca M., Bojin D., Iosub I., Meghea A., “Synthesis of high fluorescent silica hybrid materials by immobilization of orange peel extract in silica-silsesquioxane matrix”, Journal of Organic-Physics Chemistry, ISSN: 1099-1395 22, 1015-1021, 2009, WOS:000271586400001	1,591	7	0,227	nu
63	Lacatusu, I., Badea N , Bojin, D., Iosub, I., Meghea, A., „Silica polymeric networks templated with D-fructose as host matrices for natural extracts immobilization”, Mol. Cryst. Liq. Cryst.,521, 272-278, 2010, ISSN: 1542-1406, WOS:000278163100025	0,633	5	0,127	nu
64	Nichita, C., Neagu, G., Vulturescu, V., Albulescu, R., Badea N , Giurginca, M., Meghea, A., „Correlation between antioxidant activity and hepatoprotective effect of a vegetal bioproduct” Mol. Cryst. Liq. Cryst., 523, 228-235, 2010, ISSN: 1542-1406, WOS:000278163400020	0,633	7	0,090	nu
65	Lacatusu, I., Badea N , Murariu, A., Bojin, D., Meghea, A., „Effect of UV sunscreens loaded in solid lipid nanoparticles: A combined SPF assay and photostability”, Mol. Cryst. Liq. Cryst., ISSN: 1542-1406, 523, 247-258, 2010, ISSN: 1542-1406, WOS:000278163400022	0,633	5	0,127	nu

66	Lacatusu, I., Badea N, Murariu, A., Nichita, C., Bojin, D., Meghea, A., „Antioxidant capacity of lipid nanoparticles loaded with Rosemary extract”, Mol. Cryst. Liq. Cryst., 523, 260-272, 2010, ISSN: 1542-1406, WOS:000278163400023	0,633	6	0,106	nu
67	Lacatusu I., Badea N , Nita R., Murariu A., Miculescu F., Iosub I., Meghea A., “Encapsulation of fluorescence vegetable extracts within a templated sol – gel matrix”, Optical Materials, ISSN: 0925-3467, 32, 711-718, 2010, WOS:000276702900013	2,238	7	0,320	nu
68	Lacatusu I., Badea N , Murariu A., Meghea A. „The encapsulation effect of UV molecular absorbers into biocompatible lipid nanoparticles”, Nanoscale Research Letters, 6/1/73, (9 pp), 2011, ISSN: 1556-276X, WOS:000290525700005	2,832	4	0,708	nu
69	Lacatusu, I., Badea N , Murariu, A., Pirvu, C., Meghea, A., „Vegetal nanoclusters in hybrid silica films prepared by sol-gel spin coating technique”, Journal of Non-Crystalline Solids, ISSN: 0022-3093, 357, 1716-1723, 2011, WOS:000290006900018	2,124	5	0,425	nu
70	Lungu A., Şulcă N. M., Vasile E., Badea N , Pârvu C., Iovu H., The inf121 (5), 2919–2926, 2011, luence of POSS substituent on synthesis and properties of hybrid materials based on urethane dimethacrylate (UDMA) and various polyhedral oligomeric silsesquioxane (POSS), Journal of Applied Polymer Science, ISSN 0021-8995, WOS:000291598100053	1,901	6	0,317	nu
71	Ungureanu C, Ionita D., Badea N , Ioana Demetrescu, , From nanoscale engineering to biomedical application –characterization of pulse electrodeposited biomimetic antibacterial coating on Ti6Al4Zr-Digest Journal of Nanomaterials and Biostructures, ISSN. 1842-3582, 6(3), 1273- 1279, 2011, WOS:000297986100044	0,673	4	0,168	nu
72	Negreanu-Pirjol, B, Negreanu-Pirjol, T, Badea N, Paraschiv, GM, Gorun, E, Sirbu, R, Meghea, A. Physico-chemical and microbiological characterization of municipal sludge from Romanian Black Sea coast waste water treatment plants. J. Env. Prot. Ecol., (ISSN 1311 – 5065, ,13, 4, 2232-2239, 2012, WOS:000313926400021	0,679	7	0,097	nu
73	Kaya, DA; Ferdes, M Badea, N; Albu, MG , the effect of laurel and thymbra essential oils on antioxidant and antimicrobial properties of collagen hydrolysate, ROMANIAN BIOTECHNOLOGICAL LETTERS, ISSN: 1224-5984, 17 (5), 7694-7701, WOS:000310650400017	0,321	4	0,080	nu
74	Bunghez R., Barbinta Patrascu M. E., Badea N ,Doncea S. M. , Popescu A., Ion R. M., Antioxidant silver nanoparticles green synthesized using ornamental plants, Journal of Optoelectronics and Advanced Materials, ISSN 1454-4164, 14(11-12), p. 1016 – 1022, 2012, WOS:000312614800024	0,390	5	0,078	nu
75	Lacatusu I. , Badea N. , Oprea O. , Bojin D., Meghea A. , Antioxidant activity of solid lipid nanoparticles loaded with umbelliferone, Soft materials, 11 (1), 75 - 84, 2013, (ISSN 1539-445X, WOS:000312440900011	1,101	5	0,220	nu
76	Niculae G., Badea N. , Meghea A., Oprea O., Lacatusu I., Co-encapsulation of butyl-methoxydibenzoylmethane and octocrylene into lipid nanocarriers: UV performance, photostability and in Vitro release, Photochemistry and Photobiology, ISSN 1751-1097, 89, 5, 1085-1094, 2013, WOS:000324033900011	2,214	5	0,443	nu

77	G. Niculae, I. Lacatusu, Badea N , R. Stan, B. S. Vasile, A. Meghea, Rice bran and raspberry seed oil-based nanocarriers with self-antioxidative properties as safe photoprotective formulations, Photochem. Photobiol. Sci., 2014, 13 (4), 703 - 716, ISSN: 2050-750X, WOS:000333093000009	2,902	6	0,484	nu
78	M. E. Barbinta-Patrascu, S. M. Iordache, A. M. Iordache, Badea N , C. Ungureanu Nanobioarchitectures based on chlorophyll photopigment, artificial lipid bilayers and carbon nanotubes, Beilstein Journal of Nanotechnology, ISSN: 2190-4286, 5:2316-25, 01/2014, WOS:000346612600002	2,968	5	0,594	nu
79	M. E. Barbinta-Patrascu, C. Ungureanu, S. M. Iordache, I. R. Bunghez, Badea N , I. Rau, "Green silver nanobioarchitectures with amplified antioxidant and antimicrobial properties" Journal of Materials Chemistry B., ISSN 2050-750X, 2, 21, 3221-323, WOS:000336072400007	4,776	6	0,796	nu
80	M. E. Barbinta-Patrascu, C. Ungureanu, S. M. Iordache, A. M. Iordache, I. R. Bunghez, Marius Ghiurea, Badea N , R. C. Fierascu, I. Stamatin, Eco-designed biohybrids based on liposomes, mint-nanosilver and carbon nanotubes for antioxidant and antimicrobial coating, Materials Science and Engineering: C, 39, 2014, Pages 177-185 ISSN: 0928-4931, WOS:000343949200025	5,080	9	0,564	nu
81	I. Lacatusu, Badea N , G. Niculae, N. Bordei, R. Stan, A. Meghea-Lipid nanocarriers based on natural compounds: an evolving role in further plant extracts delivery, Eur. J. Lipid Sci. Technol, ISSN: 1438-9312, 116, 1708-1717 2014, WOS:000346068700013	2,200	6	2,200	nu
82	I. Lacatusu, G. Niculae, Badea N , R. Stan, A. Meghea, Influence of vegetable oil on the synthesis of bioactive nanocarriers with broad spectrum photoprotection, Central European Journal of Chemistry, 12(8), 837-850, ISSN 1895-1066, WOS:000335552400004	1,460	5	0,292	nu
83	Badea , G., Lacatusu, I., Ott, C., Badea N ., Grafu, I., Meghea, A. Integrative approach in prevention and therapy of basal cellular carcinoma by association of three actives loaded into lipid nanocarriers, Journal of Photochemistry and Photobiology B: Biology, 147, 2015, 1-8, WOS:000354156000001;	2,673	6	0,446	nu
84	G. Badea , I. Lacatusu, Badea N , C. Ott, A. Meghea, Use of various vegetable oils in designing photoprotective nanostructured formulations for UV protection and antioxidant activity, Industrial Crops and Products, 67, 2015, 18-24, WOS:000352039600004;	3,849	5	0,770	nu
85	G. Badea , N. Badea , L. I. Brasoveanu, M. Mihaila, R. Stan, D. Istrati, T. Balaci, I. Lacatusu*, Naringenin improves the sunscreen performance of hydrogel formulations based on vegetable nanocarriers, New Journal of Chemistry, 41 (2), 480-492, ISSN: 1144-0546, WOS:000393887200011	3,269	8	0,409	nu
86	Lacatusu, I., Badea , N., Badea , G., Oprea, O., Mihaila, M.A., Kaya, D.A., Stan, R., Meghea, A. Lipid nanocarriers based on natural oils with high activity against oxygen free radicals and tumor cell proliferation, Materials Science and Engineering C, 56, 2015, 88-94, WOS:000359873900011	5,080	8	0,635	nu
87	Barbinta-Patrascu, M.E. Badea , N., Ungureanu, C., Pirvu, C., Iftimie, V., Antohe, S. Photophysical studies on biocomposites based on carbon nanotubes and chlorophyll-loaded biomimetic	1,582	6	0,264	nu

	membranes, Romanian Reports in Physics Volume 69, Issue 1, 2017, 604-616; WOS:000401305200018				
88	Barbinta-Patrascu, ME, Badea, N. , Constantin, M , Ungureanu, C, Nichita, C , Iordache, SM , Vlad, A , Antohe, S Bio-activity of organic/inorganic phyto-generated composites in bio-inspired systems, Romanian Journal of Physics, 63 (5-6), 702, 2018, WOS:000440033800008	1,433	7	0,205	nu
	Total FIC	105,29			

**ANEXA LA FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE
PREZENTARE LA CONCURS**

3. Număr total de citări din baza SCOPUS (NC)- fără autocitări

Nr publ care cit	Referinta bibliografica a publicatiei care citeaza
	Barbinta-Patrascu, ME, Badea, N. , Constantin, M , Ungureanu, C, Nichita, C , Iordache, SM , Vlad, A, Antohe, S Bio-activity of organic/inorganic phyto-generated composites in bio-inspired systems, Romanian Journal of Physics, 63 (5-6), 702, 2018, WOS:000440033800008
1	Barbinta-Patrascu, M.E., Ungureanu, C., Suica-Bunghez, I.-R., Iordache, A.-M., Milenković Petrović, S., Ispas, A., Zgura, I., Performant silver-based biohybrids generated from orange and grapefruit wastes, Journal of Optoelectronics and Advanced Materials, 2018, 20, 43747, 551 - 557
	Lacatusu I., Badea G., Popescu M., Bordei N., Istrati D., Moldovan L., Seciu A.M., Pandeli M.I., Rasit I., Badea N* , Marigold extract, azelaic acid and black caraway oil into lipid nanocarriers provides a strong anti-inflammatory effect <i>in vivo</i> , <i>Industrial Crops and Products</i> , 2017 , 109, 141-150, ISSN 09266690, WOS:000413880300018.
2	Zhao, L., Wang, K., Li, W., Soteyome, T., Xiao, H., Hu, Z., Protective effects of polyphenolic extracts from longan seeds promote healing of deep second-degree burn in mice, Food and Function, 2019, 10, 3, 1433 - 1443
3	Zambrano-Zaragoza, M.L., González-Reza, R., Mendoza-Muñoz, N., Miranda-Linares, V., Bernal-Couoh, T.F., Mendoza-Elvira, S., Quintanar-Guerrero, D., Nanosystems in edible coatings: A novel strategy for food preservation, International Journal of Molecular Sciences, 2018, 19, 3,
	Barbinta-Patrascu, M.E., Badea N* , Ungureanu, C., Iordache, S.M., Constantin, M., Purcar, V. Rau, I. Pirvu, C., Ecobiophysical aspects on nanosilver biogenerated from citrus reticulata peels, as potential biopesticide for controlling pathogens and wetland plants in aquatic media, Journal of Nanomaterials, 2017, article no 4214017, WOS:000405149800001
4	Barbinta-Patrascu, M.E., Ungureanu, C., Suica-Bunghez, I.-R., Iordache, A.-M., Milenković Petrović, S., Ispas, A., Zgura, I., Performant silver-based biohybrids generated from orange and grapefruit wastes, Journal of Optoelectronics and Advanced Materials, 2018, 20, 43747, 551 - 557
	Barbinta-Patrascu, M.E. Badea, N. , Ungureanu, C., Pirvu, C., Iftimie, V, Antohe, S. Photophysical studies on biocomposites based on carbon nanotubes and chlorophyll-loaded biomimetic membranes, Romanian Reports in Physics, Volume 69, Issue 1, 2017, 604-616; WOS:000401305200018
5	Tostado-Plascencia, M.M., Sanchez-Tizapa, M., Zamudio-Ojeda, A., Synthesis and characterization of multiwalled carbon nanotubes functionalized with chlorophyll-derivatives compounds extracted from Hibiscus tiliaceus, Diamond and Related Materials, 2018, 89, , 151 - 162
6	Ravariu, C., Special features of the nothing on insulator transistor simulated with diamond lateral islands, Romanian Reports in Physics, 2018, 70, 4, -
7	Dumitru, A., Vulpe, S., Radu, A., Antohe, S., Influence of nitrogen environment on the performance of conducting polymers/CNTs nanocomposites modified anodes for microbial fuel cells (MFCs), Romanian Journal of Physics, 2018, 63, 43558, -
8	Mihalache, D., Baran, V., Nicolin, A.I., Proceedings of the Romanian academy – series A: An account of the physics section, Romanian Reports in Physics, 2018, 70, 3, -

9	Petrović, S.M., Barbinta-Patrascu, M.E., Savić, S.R., Zvezdanović, J.B., Chlorophyll a – labelled artificial lipid membranes exposed to photo-oxidative stress. Spectral studies, Romanian Reports in Physics, 2017, 69, 4, -
G. Badea, N. Badea, L. I. Brasoveanu, M.Mihaila, R. Stan, D. Istrati, T. Balaci, I. Lacatusu*, Naringenin improves the sunscreen performance of hydrogel formulations based on vegetable nanocarriers, New Journal of Chemistry, 41 (2), 480-492, ISSN: 1144-0546, WOS:000393887200011	
10	Joshi, H., Hegde, A.R., Shetty, P.K., Gollavilli, H., Managuli, R.S., Kalthur, G., Mutalik, S., Sunscreen creams containing naringenin nanoparticles: Formulation development and in vitro and in vivo evaluations, Photodermatology Photoimmunology and Photomedicine, 2018, 34, 1, 69 - 81
Barbinta-Patrascu, M.E. Badea, N.* , Pirvu, C., Bacalum, M., Ungureanu, C., Nadejde, P.L., Ion, C., Rau, I., Multifunctional soft hybrid bio-platforms based on nano-silver and natural compounds, Materials Science and Engineering C, 69, 922-932, 69, 922-932, 2016, ISSN 0928-4931; WOS:000383930900106.	
11	Matei, P.M., Martín-Gil, J., Iacomì, B.M., Pérez-Lebeña, E., Barrio-Arredondo, M.T., Martín-Ramos, P., Silver nanoparticles and polyphenol inclusion compounds composites for phytophthora cinnamomi mycelial growth inhibition, Antibiotics, 2018, 7, 3,
12	Burduşel, A.-C., Gherasim, O., Grumezescu, A.M., Mogoantă, L., Ficai, A., Andronescu, E., Biomedical applications of silver nanoparticles: An up-to-date overview, Nanomaterials, 2018, 8, 9
13	Paul, A.T., Jindal, A., Nano-natural products as anticancer agents, Anticancer Plants: Clinical Trials and Nanotechnology, 2018, 3, , 27 - 50
14	Zheng, Y., Chen, S., Wang, S., Song, X., Hu, S., Synthesis and Antibacterial Property of Colloidal Silver Dispersed in Anhydrous Glycerin, Cailiao Daobao/Materials Review, 2017, 31, 6, 30 - 34
15	Wang, X., Evolutionary analysis for leptospira interrogans Serovar Lai based on gene duplication, Nanoscience and Nanotechnology Letters, 2017, 9, 6, 921 - 927
16	Fufă, O., Popescu, R.C., Gherasim, T.G., Grumezescu, A.M., Andronescu, E., Silver-based nanostructures for cancer therapy, Nanostructures for Cancer Therapy, 2017, 405 - 428
D. Istrati, I. Lacatusu, N. Bordei, G. Badea, O. Oprea, L.M. Stefan, R. Stan, N. Badea* , A. Meghea, Phyto-mediated nanostructured vehicles based on dual vegetable actives involved in the prevention of cellular damage, Material Science and Engineering C, 64, 249-259, ISSN 0928-4931; WOS:000376547700030	
17	Olas, B., The beneficial health aspects of sea buckthorn (Elaeagnus rhamnoides (L.) A.Nelson) oil, Journal of Ethnopharmacology, 2018, 213, , 183 - 190
18	Dobre, T., Pârvulescu, O.C., Popescu, M., Stoica-Guzun, A., Cozea, A., Processing of sea buckthorn fruits by electro-osmosis under pressure, Journal of Food Engineering, 2018, 219, , 38 - 51
19	Stoica-Guzun, A., Pârvulescu, O.C., Broşteanu, A., Chira, N., Stroescu, M., Dobre, T., Influence of sea buckthorn pomace pre-treatment and drying conditions on the drying kinetics, quantity and quality of seed oil, Journal of Food and Nutrition Research, 2018, 57, 4, 363 - 372
20	Erady, V., Mascarenhas, R.J., Satpati, A.K., Detriche, S., Mekhalif, Z., Delhalle, J., Dhason, A., A novel and sensitive hexadecyltrimethylammoniumbromide functionalized Fe decorated MWCNTs modified carbon paste electrode for the selective determination of Quercetin, Materials Science and Engineering C, 2017, 76, 114 - 122

I. Lacatusu, N. Badea , G. Badea, L. Brasoveanu, R. Stan, C. Ott, O. Oprea, A. Meghea, Ivy leaves extract based – lipid nanocarriers and their bioefficacy on antioxidant and antitumor activities, RSC Advances, 6, 77243 – 77255, ISSN 2046-2069, WOS: 000382482200015,	
21	Ghitman, J., Stan, R., Cecoltan, S., Chifiriuc, M.C., Iovu, H., Hybrid nanocarriers based on PLGA-vegetable oil: A novel approach for high lipophilic drug delivery, Journal of Drug Delivery Science and Technology, 2018, 46, , 162 - 172
22	Ghitman, J., Stan, R., Ghebaour, A., Cecoltan, S., Vasile, E., Iovu, H., Novel PEG-modified hybrid PLGA-vegetable oils nanostructured carriers for improving performances of indomethacin delivery, Polymers, 2018, 10, 6
23	Mao, S., Li, R., Wang, W., Feng, W., Ji, P., Co-immobilization of superoxide dismutase with catalase on soft microparticles formed by self-assembly of amphiphilic poly(Aspartic acid), Catalysts, 2017, 7, 7
Barbinta-Patrascu, M.E., Badea, N* , Ungureanu, C, Constantin, M, Pirvu, C., Rau, I. Silver-based biohybrids "green" synthesized from Chelidonium majus L., Optical Materials, 56, 94-99, 2016, WOS:000375517200018;	
24	Siddiqi, K.S., Husen, A., Rao, R.A.K., A review on biosynthesis of silver nanoparticles and their biocidal properties, Journal of Nanobiotechnology, 2018, 16, 1
Ott C., Lacatusu I., Badea G., Grafu I. A., Istrati D., Babeanu N., Stan R., Badea N* , Meghea A., Exploitation of amaranth oil fractions enriched in squalene for dual delivery of hydrophilic and lipophilic actives, Industrial Crops and Products, 77, 342–352, 2015, ISSN 1895-1066, WOS:000366065200041;	
25	Stanisic, D., Costa, A.F., Cruz, G., Durán, N., Tasic, L., Applications of Flavonoids, With an Emphasis on Hesperidin, as Anticancer Prodrugs: Phytotherapy as an Alternative to Chemotherapy, Studies in Natural Products Chemistry, 2018, 58, , 161 - 212
26	Tsirigotis-Maniecka, M., Lamch, Ł., Chojnacka, I., Gancarz, R., Wilk, K.A., Microencapsulation of hesperidin in polyelectrolyte complex microbeads: Physico-chemical evaluation and release behavior, Journal of Food Engineering, 2017, 214, 104 - 116
27	Conte, R., Marturano, V., Peluso, G., Calarco, A., Cerruti, P., Recent advances in nanoparticle-mediated delivery of anti-inflammatory phytochemicals, International Journal of Molecular Sciences, 2017, 18, 4,
28	D'Amico, S., Schoenlechner, R., Amaranth: Its Unique Nutritional and Health-Promoting Attributes, Gluten-Free Ancient Grains: Cereals, Pseudocereals, and Legumes: Sustainable, Nutritious, and Health-Promoting Foods for the 21st Century, 2017, 131 - 159
29	Zabot, G.L., Silva, E.K., Azevedo, V.M., Meireles, M.A.A., Replacing modified starch by inulin as prebiotic encapsulant matrix of lipophilic bioactive compounds, Food Research International, 2016, 85, 26 - 35
Lacatusu, I., Badea, N. , Badea, G., Oprea, O., Mihaila, M.A., Kaya, D.A., Stan, R., Meghea, A. Lipid nanocarriers based on natural oils with high activity against oxygen free radicals and tumor cell proliferation, Materials Science and Engineering C, 56, 2015, 88-94 , WOS:000359873900011	
30	de Matos, S.P., Lucca, L.G., Koester, L.S., Essential oils in nanostructured systems: Challenges in preparation and analytical methods, Talanta, 2019, 195, , 204 - 214
31	Mishra, D.K., Shandilya, R., Mishra, P.K., Lipid based nanocarriers: a translational perspective, Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 7, 2023 - 2050
32	Ghitman, J., Stan, R., Cecoltan, S., Chifiriuc, M.C., Iovu, H., Hybrid nanocarriers based on PLGA-vegetable oil: A novel approach for high lipophilic drug delivery, Journal of Drug Delivery Science and Technology, 2018, 46, , 162 - 172

33	Ghitman, J., Stan, R., Ghebaur, A., Cecoltan, S., Vasile, E., Iovu, H., Novel PEG-modified hybrid PLGA-vegetable oils nanostructured carriers for improving performances of indomethacin delivery, <i>Polymers</i> , 2018, 10, 6, -
34	Bellili, S., Jazi, S., ben Nasr, S., Dhifi, W., Neves, M.A., Miguel, M.G.C., Mnif, W., Grape seed oil: Chemical composition, biological properties and health benefits, <i>Seed Oil: Production, Uses and Benefits</i> , 2018, , , 145 - 174
35	Flores, F.C., Paese, K., Weber, J., Antunes, J.B., Pohlmann, A.R., Guterres, S.S., Beck, R.C.R., Da Silva, C.D.B., Lipid nanoparticles obtained with innovative natural materials for topical delivery of tioconazole: Mangospheres, <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 3, 1762 - 1770
36	Garavaglia, J., Markoski, M.M., Oliveira, A., Marcadenti, A., Grape seed oil compounds: Biological and chemical actions for health, <i>Nutrition and Metabolic Insights</i> , 2016, 9, , 59 - 64
Badea, G., Lacatusu, I., Ott, C., Badea N., Grafu, I., Meghea, A. Integrative approach in prevention and therapy of basal cellular carcinoma by association of three actives loaded into lipid nanocarriers, <i>Journal of Photochemistry and Photobiology B: Biology</i> , 147, 2015, 1-8, WOS:000354156000001;	
37	Liu, B., He, D., Wu, J., Sun, Q., Zhang, M., Tan, Q., Li, Y., Zhang, J., Catan-ionic hybrid lipidic nano-carriers for enhanced bioavailability and anti-tumor efficacy of chemodrugs, <i>Oncotarget</i> , 2017, 8, 19, 30922 - 30932
38	Radice, M., Manfredini, S., Ziosi, P., Dissette, V., Buso, P., Fallacara, A., Vertuani, S., Herbal extracts, lichens and biomolecules as natural photo-protection alternatives to synthetic UV filters. A systematic review, <i>Fitoterapia</i> , 2016, 114, , 144 - 162
Mitreă E., Lacatusu I., Badea N* , Ott C., Oprea O, Meghea A. , New approach to prepare willow bark extract – lipid based nanosystems with enhanced antioxidant activity, <i>J. Nanosci. Nanotechnol.</i> , ISSN: 1533-4880, 15(6), 4080-4089, 2015, WOS:000347435300009	
39	Hammad, R.W., Sanad, R.A.B., Abdelmalk, N.S., Aziz, R.L., Torad, F.A., Intranasal Surface-Modified Mosapride Citrate-Loaded Nanostructured Lipid Carriers (MOS-SMNLCS) for Treatment of Reflux Diseases: In vitro Optimization, Pharmacodynamics, and Pharmacokinetic Studies, <i>AAPS Pharm SciT ech</i> , 2018, 19, 8, 3791 - 3808
40	Piazzini, V., Bigagli, E., Luceri, C., Bilia, A.R., Bergonzi, M.C., Enhanced Solubility and Permeability of Salicis cortex Extract by Formulating as a Microemulsion, <i>Planta Medica</i> , 2018, 84, 41609, 976 - 984
G. Badea, I. Lacătușu, Badea N, C. Ott, A. Meghea, Use of various vegetable oils in designing photoprotective nanostructured formulations for UV protection and antioxidant activity, <i>Industrial Crops and Products</i> , 67, 2015, 18–24, WOS:000352039600004;	
41	Wróblewska, K.B., Baby, A.R., Grombone Guaratini, M.T., Moreno, P.R.H., In vitro antioxidant and photoprotective activity of five native Brazilian bamboo species, <i>Industrial Crops and Products</i> , 2019, 130, , 208 - 215
42	Lee, X.Y., Chu, C.C., Hasan, Z.A.B.A., Chua, S.K., Nyam, K.L., Novel Nanostructured Lipid Carriers with Photoprotective Properties Made from Carnauba Wax, Beeswax, and Kenaf Seed Oil, <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2019, 96, 2, 201 - 211
43	Guidoni, M., De Christo Scherer, M.M., Figueira, M.M., Schmitt, E.F.P., De Almeida, L.C., Scherer, R., Bogusz, S., Fronza, M., Fatty acid composition of vegetable oil blend and in vitro effects of pharmacotherapeutical skin care applications, <i>Brazilian Journal of Medical and Biological Research</i> , 2019, 52, 2,

44	da Silva Santos, V., Badan Ribeiro, A.P., Andrade Santana, M.H., Solid lipid nanoparticles as carriers for lipophilic compounds for applications in foods, <i>Food Research International</i> , 2019, , , -
45	Pinto, F., de Barros, D.P.C., Fonseca, L.P., Design of multifunctional nanostructured lipid carriers enriched with α -tocopherol using vegetable oils, <i>Industrial Crops and Products</i> , 2018, 118, , 149 - 159
46	Khonkarn, R., Kittipongpatana, O.S., Boasouna, V., Okonogi, S., Enhanced UV protection of ketoconazole using Hyptis suaveolens micro emulsion, <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2018, 31, 3, 733 - 739
47	Batista, C.M., Alves, A.V.F., Queiroz, L.A., Lima, B.S., Filho, R.N.P., Araújo, A.A.S., de Albuquerque Júnior, R.L.C., Cardoso, J.C., The photoprotective and anti-inflammatory activity of red propolis extract in rats, <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 180, , 198 - 207
48	Dario, M.F., Oliveira, F.F., Marins, D.S.S., Baby, A.R., Velasco, M.V.R., Löbenberg, R., Bou-Chacra, N.A., Synergistic photoprotective activity of nanocarrier containing oil of <i>Acrocomia aculeata</i> (Jacq.) Lodd. Ex. Martius—Arecaceae, <i>Industrial Crops and Products</i> , 2018, 112, , 305 - 312
49	Afifah, S.N., Azhar, S., Ashari, S.E., Salim, N., Development of a kojic monooleate-enriched oil-in-water nanoemulsion as a potential carrier for hyperpigmentation treatment, <i>International Journal of Nanomedicine</i> , 2018, 13, , 6465 - 6479
50	Keivani Nahr, F., Ghanbarzadeh, B., Hamishehkar, H., Samadi Kafil, H., Food grade nanostructured lipid carrier for cardamom essential oil: Preparation, characterization and antimicrobial activity, <i>Journal of Functional Foods</i> , 2018, 40, , 1 - 8
51	Marchiori, M.C.L., Rigon, C., Copetti, P.M., Sagrillo, M.R., Cruz, L., Nanoencapsulation Improves Scavenging Capacity and Decreases Cytotoxicity of Silibinin and Pomegranate Oil Association, <i>AAPS PharmSciTech</i> , 2017, 18, 8, 3236 - 3246
52	Lajnef, H.B., Pasini, F., Politowicz, J., Tlili, N., Khaldi, A., Caboni, M.F., Nasri, N., Lipid characterization of <i>Eryngium maritimum</i> seeds grown in Tunisia, <i>Industrial Crops and Products</i> , 2017, 105, , 47 - 52
53	Ribeiro, L.N.M., Breitreitz, M.C., Guilherme, V.A., da Silva, G.H.R., Couto, V.M., Castro, S.R., de Paula, B.O., Machado, D., de Paula, E., Natural lipids-based NLC containing lidocaine: from pre-formulation to in vivo studies, <i>European Journal of Pharmaceutical Sciences</i> , 2017, 106, , 102 - 112
54	Dal Prá, V., Lunelli, F.C., Vendruscolo, R.G., Martins, R., Wagner, R., Lazzaretti, A.P., Freire, D.M.G., Alexandri, M., Koutinas, A., Mazutti, M.A., da Rosa, M.B., Ultrasound-assisted extraction of bioactive compounds from palm pressed fiber with high antioxidant and photoprotective activities, <i>Ultrasonics Sonochemistry</i> , 2017, 36, , 362 - 366
55	Kumar, B., Smita, K., Scope of Nanotechnology in Nutraceuticals, <i>Nanotechnology Applications in Food: Flavor, Stability, Nutrition and Safety</i> , 2017, , , 43 - 63
56	Zambrano-Zaragoza, M.L., Quintanar-Guerrero, D., Del Real, A., Piñon-Segundo, E., Zambrano-Zaragoza, J.F., The release kinetics of β -carotene nanocapsules/xanthan gum coating and quality changes in fresh-cut melon (cantaloupe), <i>Carbohydrate Polymers</i> , 2017, 157, , 1874 - 1882
57	Montenegro, L., Lipid-based nanoparticles as carriers for dermal delivery of antioxidants, <i>Current Drug Metabolism</i> , 2017, 18, 5, 469 - 480
58	Balestrin, L.A., Bidone, J., Bortolin, R.C., Moresco, K., Moreira, J.C., Teixeira, H.F., Protective effect of a hydrogel containing <i>Achyrocline satureioides</i> extract-loaded

	nanoemulsion against UV-induced skin damage, <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 163, , 269 - 276
59	Fuad, F.M., Don, M.M., Ultrasonic-assisted extraction of oil from calophyllum inophyllum seeds: Optimization of process parameters, <i>Jurnal Teknologi</i> , 2016, 78, 10, 199 - 206
60	Radice, M., Manfredini, S., Ziosi, P., Dissette, V., Buso, P., Fallacara, A., Vertuani, S., Herbal extracts, lichens and biomolecules as natural photo-protection alternatives to synthetic UV filters. A systematic review, <i>Fitoterapia</i> , 2016, 114, , 144 - 162
61	Dal Prá, V., Soares, J.F., Monego, D.L., Vendruscolo, R.G., Freire, D.M.G., Alexandri, M., Koutinas, A., Wagner, R., Mazutti, M.A., Da Rosa, M.B., Extraction of bioactive compounds from palm (<i>Elaeis guineensis</i>) pressed fiber using different compressed fluids, <i>Journal of Supercritical Fluids</i> , 2016, 112, , 51 - 56
62	Ganesan, P., Choi, D.-K., Current application of phytochemical-based nanocosmeceuticals for beauty and skin therapy, <i>International Journal of Nanomedicine</i> , 2016, 11, , 1987 - 2007
63	Silva, R.V., Costa, S.C.C., Branco, C.R.C., Branco, A., In vitro photoprotective activity of the <i>Spondias purpurea</i> L. peel crude extract and its incorporation in a pharmaceutical formulation, <i>Industrial Crops and Products</i> , 2016, 83, , 509 - 514
64	Galvão, J.G., Trindade, G.G.G., Santos, A.J., Santos, R.L., Chaves Filho, A.B., Lira, A.A.M., Miyamoto, S., Nunes, R.S., Effect of Ouratea sp. butter in the crystallinity of solid lipids used in nanostructured lipid carriers (NLCs), <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 2, 941 - 948
Lacatusu I., Niculae G., Badea N* , Stan N., Popa O., Oprea O., Meghea A., Design of soft lipid nanocarriers based on bioactive vegetable oils with multiple health beneficiaries, <i>Chemical Engineering Journal</i> , 246C, pp. 311-321, 2014, ISSN: 1385-8947, WOS:000335275000035;	
65	Galvão, J.G., Trindade, G.G.G., Santos, A.J., Santos, R.L., Chaves Filho, A.B., Lira, A.A.M., Miyamoto, S., Nunes, R.S., Effect of Ouratea sp. butter in the crystallinity of solid lipids used in nanostructured lipid carriers (NLCs), <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 2, 941 - 948
66	Pezeshki, A., Hamishehkar, H., Ghanbarzadeh, B., Fathollahy, I., Keivani Nahr, F., Khakbaz Heshmati, M., Mohammadi, M., Nanostructured lipid carriers as a favorable delivery system for β -carotene, <i>Food Bioscience</i> , 2019, 27, , 11 - 17
67	Lee, X.Y., Chu, C.C., Hasan, Z.A.B.A., Chua, S.K., Nyam, K.L., Novel Nanostructured Lipid Carriers with Photoprotective Properties Made from Carnauba Wax, Beeswax, and Kenaf Seed Oil, <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2019, 96, 2, 201 - 211
68	Mishra, D.K., Shandilya, R., Mishra, P.K., Lipid based nanocarriers: a translational perspective, <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 7, 2023 - 2050
69	Pinto, F., de Barros, D.P.C., Fonseca, L.P., Design of multifunctional nanostructured lipid carriers enriched with α -tocopherol using vegetable oils, <i>Industrial Crops and Products</i> , 2018, 118, , 149 - 159
70	Huyan, Z., Ding, S., Yu, X., Liu, X., Preparation and Characterization of Hydrogenated Castor Oil-Based Coating Wax, <i>European Journal of Lipid Science and Technology</i> , 2018, 120, 4, -
71	Hayden, D.R., Kibbelaar, H.V.M., Imhof, A., Velikov, K.P., Fully-biobased UV-absorbing nanoparticles from ethyl cellulose and zein for environmentally friendly photoprotection, <i>RSC Advances</i> , 2018, 8, 44, 25104 - 25111

72	Pirjol, B.S.N., Pirjol, T.N., Popoviciu, D.R., Copper, manganese and zinc bioaccumulation in some common poaceae species along romanian black sea coast, <i>Revista de Chimie</i> , 2017, 68, 11, 2488 - 2491
73	Bratu, M.M., Birghila, S., Miresan, H., Pirjol, T.N., Electrophoretic method for edible eggs species identification, <i>Revista de Chimie</i> , 2017, 68, 9, 1983 - 1987
74	Wolosik, K., Zareba, I., Surazynski, A., Markowska, A., The possible pre -and post-UVA radiation protective effect of amaranth oil on human skin fibroblast cells, <i>Pharmacognosy Magazine</i> , 2017, 13, 50, S339 - S343
75	Conte, R., Marturano, V., Peluso, G., Calarco, A., Cerruti, P., Recent advances in nanoparticle-mediated delivery of anti-inflammatory phytochemicals, <i>International Journal of Molecular Sciences</i> , 2017, 18, 4, -
76	Mathew, E., Singh, M., Ancient grains and pseudocereals: Chemical compositions, nutritional benefits, and roles in 21st century diets, <i>Cereal Foods World</i> , 2016, 61, 5, 198 - 203
77	Venturini, C.G., Bruinsmann, F.A., Oliveira, C.P., Contri, R.V., Pohlmann, A.R., Guterres, S.S., Vegetable oil-loaded nanocapsules: Innovative alternative for incorporating drugs for parenteral administration, <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 2, 1310 - 1320
78	Radulescu, M., Arsenie, L.V., Oprea, O., Vasile, B.S., Optical and photocatalytic properties of copper(II) doped zinc oxide, <i>Revista de Chimie</i> , 2016, 67, 12, 2596 - 2599
79	Ghanbarzadeh, S., Hariri, R., Kouhsoltani, M., Shokri, J., Javadzadeh, Y., Hamishehkar, H., Enhanced stability and dermal delivery of hydroquinone using solid lipid nanoparticles, <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, , 1004 - 1010
80	Mănescu, I.G., Badea, G., Iscrulescu, L., Iovu, M., Balaci, T., Incorporation of new benzimidazole compounds into lipid nanostructures in order to obtain photoprotective formulations, <i>Farmacia</i> , 2015, 63, 4, 518 - 525
81	Grafu, I.A., Badea, G., Balaci, T., Synthesis of anticancer vegetable-based lipid nanocarriers, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> , 2015, 77, 4, 247 - 254
82	Badea, G., Bors, A.G., Lacatusu, I., Oprea, O., Ungureanu, C., Stan, R., Meghea, A., Influence of basil oil extract on the antioxidant and antifungal activities of nanostructured carriers loaded with nystatin, <i>Comptes Rendus Chimie</i> , 2015, 18, 6, 668 - 677
83	Radulescu, M., Ficai, D., Oprea, O., Ficai, A., Andronescu, E., Holban, A.M., Antimicrobial Chitosan based formulations with impact on different biomedical applications, <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 2, 128 - 136
M. E. Barbinta-Patrascu, C. Ungureanu, S. M. Iordache, , I. R. Bunghez, Badea N , I. Rau, "Green silver nanobioarchitectures with amplified antioxidant and antimicrobial properties" <i>Journal of Materials Chemistry B</i> , ISSN 2050-750X, 2, 21, 3221-323 , WOS:000336072400007	
84	Cheng, Y., Yang, H., Yang, Y., Huang, J., Wu, K., Chen, Z., Wang, X., Lin, C., Lai, Y., Progress in TiO ₂ nanotube coatings for biomedical applications: A review, <i>Journal of Materials Chemistry B</i> , 2018, 6, 13, 1862 - 1886
85	Li, H., Nie, B.-E., Yue, B., Different patterns of titanium surface nanocrystallization and drug load aimed at establishing orthopedic implants with antimicrobial property, <i>Journal of Shanghai Jiaotong University (Medical Science)</i> , 2017, 37, 6, 847 - 852
86	Abdel-Mohsen, A.M., Jancar, J., Abdel-Rahman, R.M., Vojtek, L., Hyršl, P., Dušková, M., Nejezchlebová, H., A novel in situ silver/hyaluronan bio-nanocomposite fabrics for wound and chronic ulcer dressing: In vitro and in vivo evaluations, <i>International Journal of Pharmaceutics</i> , 2017, 520, 43497, 241 - 253

87	Petrović, S.M., Barbinta-Patrascu, M.E., Savić, S.R., Zvezdanović, J.B., Chlorophyll a – labelled artificial lipid membranes exposed to photo-oxidative stress. Spectral studies, Romanian Reports in Physics, 2017, 69, 4, -
88	Shanmugasundaram, T., Radhakrishnan, M., Gopikrishnan, V., Kadirvelu, K., Balagurunathan, R., In vitro antimicrobial and in vivo wound healing effect of actinobacterially synthesised nanoparticles of silver, gold and their alloy, RSC Advances, 2017, 7, 81, 51729 - 51743
89	Barbinta Patrascu, M.E., Iftimie, V., Carbon nanotubes and conducting polymers in biohybrids, Optoelectronics and Advanced Materials, Rapid Communications, 2016, 10, 43747, 781 - 784
90	Alishah, H., Seyed, S.P., Ebrahimipour, S.Y., Esmaeili-Mahani, S., A Green Approach for the Synthesis of Silver Nanoparticles Using Root Extract of Chelidonium majus: Characterization and Antibacterial Evaluation, Journal of Cluster Science, 2016, 27, 2, 421 - 429
91	Ungureanu, C., Dumitriu, C., Popescu, S., Enculescu, M., Tofan, V., Popescu, M., Pirvu, C., Enhancing antimicrobial activity of TiO ₂ /Ti by torularhodin bioinspired surface modification, Bioelectrochemistry, 2016, 107, , 14 - 24
92	Mihalcea, A., Onu, A., Tucureanu, C., Ungureanu, C., Raileanu, S., Salageanu, A., Muntean, O., Extraction of torularhodin from Rhodotorula rubra yeast using sunflower oil, Revista de Chimie, 2015, 66, 10, 1692 - 1695
93	Bunghez, I.-R., Dumitrescu, O., Somoghi, R., Ionita, I., Ion, R.-M., Silver nanoparticles obtained via Morus Nigra extract synthesis and antioxidant activity, Revista de Chimie, 2015, 66, 8, 1112 - 1115
M. E. Barbinta-Patrascu, C. Ungureanu, S. M. Iordache, A. M. Iordache, I. R. Bunghez, Marius Ghiurea, Badea N , R. C. Fierascu, I. Stamatina, Eco-designed biohybrids based on liposomes, mint-nanosilver and carbon nanotubes for antioxidant and antimicrobial coating, Materials Science and Engineering: C, 39, 2014, Pages 177–185 ISSN: 0928-4931, WOS:000343949200025	
94	Bunghez, I.-R., Dumitrescu, O., Somoghi, R., Ionita, I., Ion, R.-M., Silver nanoparticles obtained via Morus Nigra extract synthesis and antioxidant activity, Revista de Chimie, 2015, 66, 8, 1112 - 1115
95	Dong, H., Guo, M., Liang, Y., Fan, C., Ding, G., Zhang, W., Tang, G., Yang, J., Kong, D., Cao, Y., Preparation and characterization of indole-3-butyric acid nanospheres for improving its stability and utilization, Materials Science and Engineering C, 2018, 89, , 175 - 181
96	Fierascu, R.C., Georgiev, M.I., Fierascu, I., Ungureanu, C., Avramescu, S.M., Ortan, A., Georgescu, M.I., Sutan, A.N., Zanfirescu, A., Dinu-Pirvu, C.E., Velescu, B.S., Anuta, V., Mitodepressive, antioxidant, antifungal and anti-inflammatory effects of wild-growing Romanian native Arctium lappa L. (Asteraceae) and Veronica persica Poiret (Plantaginaceae), Food and Chemical Toxicology, 2018, 111, , 44 - 52
97	Morsi, R.E., Alsabagh, A.M., Nasr, S.A., Zaki, M.M., Multifunctional nanocomposites of chitosan, silver nanoparticles, copper nanoparticles and carbon nanotubes for water treatment: Antimicrobial characteristics, International Journal of Biological Macromolecules, 2017, 97, , 264 - 269
98	Caprarescu, S., Purcar, V., Radu, A.L., Alexandrescu, E., Modrojan, C., Removal of nickel ions from synthetic wastewater by electrodialysis using polymer membranes doped with plant extract, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2017, 17, 52, 755 - 761
99	Agnihotri, S., Dhiman, N.K., Development of nano-antimicrobial biomaterials for biomedical applications, Advanced Structured Materials, 2017, 66, 479 - 545

100	Griffith, M., Islam, M.M., Edin, J., Papapavlou, G., Buznyk, O., Patra, H.K., The quest for anti-inflammatory and anti-infective biomaterials in clinical translation, <i>Frontiers in Bioengineering and Biotechnology</i> , 2016, 4
101	Barbinta Patrascu, M.E., Iftimie, V., Carbon nanotubes and conducting polymers in biohybrids, <i>Optoelectronics and Advanced Materials, Rapid Communications</i> , 2016, 10, 43747, 781 - 784
102	Batory, M., Adamus-Grabicka, A., Sobczyk-Guzenda, A., Bartoszek, N., Komorowski, P., Vyslouzilova, L., Rozek, Z., Budzisz, E., The use of liposomes in the modification of polycaprolactone fibers, <i>Journal of Applied Polymer Science</i> , 2016, 133, 15, -
103	Pica, A., Dumitru, F., Investigations on the structure and characteristics of some ecological dielectric fluids, <i>Revista de Chimie</i> , 2016, 67, 4, 716 - 719
104	Rai, M., Ingle, A.P., Gaikwad, S., Gupta, I., Gade, A., Silvério da Silva, S., Nanotechnology based anti-infectives to fight microbial intrusions, <i>Journal of Applied Microbiology</i> , 2016, 120, 3, 527 - 542
105	Soltani, A., Moradi, A.V., Lemeski, E.T., The interaction of 2,6-dichlorobenzylidene-2,4-dichloroaniline (2,6-DBDA) and 2,4-dichlorobenzylidene-2,4-dichloroaniline (2,4-DBDA) with single-walled carbon nanotube: A DFT study, <i>Journal of Molecular Structure</i> , 2016, 1105, , 128 - 134
106	Ashfaq, M., Verma, N., Khan, S., Copper/zinc bimetal nanoparticles-dispersed carbon nanofibers: A novel potential antibiotic material, <i>Materials Science and Engineering C</i> , 2016, 59, 938 - 947
107	Fierascu, R.C., Padure, I.M., Avramescu, S.M., Ungureanu, C., Bunghez, R.I., Ortan, A., Dinu-Pirvu, C., Fierascu, I., Soare, L.C., Preliminary assessment of the antioxidant, antifungal and germination inhibitory potential of heracleum sphondylium L. (<i>Apiaceae</i>), <i>Farmacia</i> , 2016, 64, 3, 403 - 408
108	Yah, C.S., Simate, G.S., Nanoparticles as potential new generation broad spectrum antimicrobial agents, <i>DARU, Journal of Pharmaceutical Sciences</i> , 2015, 23, 1
109	Ionescu, N., Popescu, M., Bratu, A., Istrati, D., Ott, C., Meghea, A., Valuable Romanian vegetable oils and extracts with high pharmaco-cosmetic potential, <i>Revista de Chimie</i> , 2015, 66, 9, 1267 - 1272
110	Ungureanu, C., Ioniță, D., Berteanu, E., Tcacenco, L., Zuav, A., Demetrescu, I., Improving natural biopolymeric membranes based on chitosan and collagen for biomedical applications introducing silver, <i>Journal of the Brazilian Chemical Society</i> , 2015, 26, 3, 458 - 465
111	Badea, G., Bors, A.G., Lacatusu, I., Oprea, O., Ungureanu, C., Stan, R., Meghea, A., Influence of basil oil extract on the antioxidant and antifungal activities of nanostructured carriers loaded with nystatin, <i>Comptes Rendus Chimie</i> , 2015, 18, 6, 668 - 677
112	Patrascu, M.E.B., Ungureanu, C., Rau, I., Biohybrids based on carbon nanotubes and liposomes - Biophysical studies, <i>Molecular Crystals and Liquid Crystals</i> , 2014, 604, 1, 1 - 10
G. Niculae, I. Lacatusu, Badea N , R. Stan, B. S. Vasile, A. Meghea, Rice bran and raspberry seed oil-based nanocarriers with self-antioxidative properties as safe photoprotective formulations, <i>Photochem. Photobiol. Sci.</i> , 2014, 13 (4), 703 - 716, ISSN ISSN: 2050-750X, WOS:000333093000009	
113	Lee, X.Y., Chu, C.C., Hasan, Z.A.B.A., Chua, S.K., Nyam, K.L., Novel Nanostructured Lipid Carriers with Photoprotective Properties Made from Carnauba Wax, Beeswax, and Kenaf Seed Oil, <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2019, 96, 2, 201 - 211

114	Kumar, S., Nehra, M., Dilbaghi, N., Marrazza, G., Hassan, A.A., Kim, K.-H., Nano-based smart pesticide formulations: Emerging opportunities for agriculture, <i>Journal of Controlled Release</i> , 2019, 294, , 131 - 153
115	Michalak, M., Kiełtyka-Dadasiewicz, A., Oils from fruit seeds and their dietetic and cosmetic significance, <i>Herba Polonica</i> , 2018, 64, 4, 63 - 70
116	Korkina, L., Kostyuk, V., Potapovich, A., Mayer, W., Talib, N., De Luca, C., Secondary plant metabolites for sun protective cosmetics: From pre-selection to product formulation, <i>Cosmetics</i> , 2018, 5, 2, -
117	Dario, M.F., Oliveira, F.F., Marins, D.S.S., Baby, A.R., Velasco, M.V.R., Löbenberg, R., Bou-Chacra, N.A., Synergistic photoprotective activity of nanocarrier containing oil of <i>Acrocomia aculeata</i> (Jacq.) Lodd. Ex. Martius—Arecaceae, <i>Industrial Crops and Products</i> , 2018, 112, , 305 - 312
118	Singh, G., Kumar, J., Artificial and natural photoprotective compounds, <i>Sunscreens: Source, Formulations, Efficacy and Recommendations</i> , 2018, , , 153 - 199
119	Jadhav, N.R., Nadaf, S.J., Lohar, D.A., Ghagare, P.S., Powar, T.A., Phytochemicals formulated as nanoparticles: Inventions, recent patents and future prospects, <i>Recent Patents on Drug Delivery and Formulation</i> , 2017, 11, 3, 173 - 186
120	Ma, Y., Na, Z., Cheng, W., Wang, X., Study on phosphorylation of rice bran glutelin, <i>Journal of Biobased Materials and Bioenergy</i> , 2017, 11, 4, 313 - 320
121	Ma, Y., Na, Z., Wang, X., Effect of steam flash-explosion on fiber components of high-temperature denatured defatted rice bran, <i>Journal of Bionanoscience</i> , 2017, 11, 3, 221 - 226
122	Montenegro, L., Lipid-based nanoparticles as carriers for dermal delivery of antioxidants, <i>Current Drug Metabolism</i> , 2017, 18, 5, 469 - 480
123	Cefali, L.C., Ataide, J.A., Moriel, P., Foglio, M.A., Mazzola, P.G., Plant-based active photoprotectants for sunscreens, <i>International Journal of Cosmetic Science</i> , 2016, 38, 4, 346 - 353
124	Ganesan, P., Choi, D.-K., Current application of phytochemical-based nanocosmeceuticals for beauty and skin therapy, <i>International Journal of Nanomedicine</i> , 2016, 11, , 1987 - 2007
125	Badea, G., Bors, A.G., Lacatusu, I., Oprea, O., Ungureanu, C., Stan, R., Meghea, A., Influence of basil oil extract on the antioxidant and antifungal activities of nanostructured carriers loaded with nystatin, <i>Comptes Rendus Chimie</i> , 2015, 18, 6, 668 - 677
M. E. Barbinta-Patrascu, S. M. Iordache, A. M. Iordache, Badea N , C. Ungureanu Nanobioarchitectures based on chlorophyll photopigment, artificial lipid bilayers and carbon nanotubes, <i>Beilstein Journal of Nanotechnology</i> , ISSN: 2190-4286, 5:2316-25, 01/2014, WOS:000346612600002	
126	Tostado-Plascencia, M.M., Sanchez-Tizapa, M., Zamudio-Ojeda, A., Synthesis and characterization of multiwalled carbon nanotubes functionalized with chlorophyll-derivatives compounds extracted from <i>Hibiscus tiliaceus</i> , <i>Diamond and Related Materials</i> , 2018, 89, , 151 - 162
127	Barbinta-Patrascu, M.E., Ungureanu, C., Suica-Bunghez, I.-R., Iordache, A.-M., Milenković Petrović, S., Ispas, A., Zgura, I., Performant silver-based biohybrids generated from orange and grapefruit wastes, <i>Journal of Optoelectronics and Advanced Materials</i> , 2018, 20, 43747, 551 - 557
128	Aji, J.R.P., Kusumandari, Purnama, B., Magnetic field dependence of the current flowing in the spin-coated chlorophyll thin films, <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 333, 1

129	Petrović, S.M., Barbinta-Patrascu, M.E., Savić, S.R., Zvezdanović, J.B., Chlorophyll a – labelled artificial lipid membranes exposed to photo-oxidative stress. Spectral studies, Romanian Reports in Physics, 2017, 69, 4, -
130	Barbinta Patrascu, M.E., Iftimie, V., Carbon nanotubes and conducting polymers in biohybrids, Optoelectronics and Advanced Materials, Rapid Communications, 2016, 10, 43747, 781 - 784
I. Lacatusu, Badea N , G. Niculae, N. Bordei, R. Stan, A. Meghea- Lipid nanocarriers based on natural compounds: an evolving role in further plant extracts delivery, Eur. J. Lipid Sci. Tehnol, ISSN: 1438-9312, 116, 1708-1717 2014, WOS:000346068700013	
131	Ghodrati, M., Farahpour, M.R., Hamishehkar, H., Encapsulation of Peppermint essential oil in nanostructured lipid carriers: In-vitro antibacterial activity and accelerative effect on infected wound healing, Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 564, , 161 - 169
132	Fernandes, R.D.P.P., Trindade, M.A., de Melo, M.P., Natural Antioxidants and Food Applications: Healthy Perspectives, Alternative and Replacement Foods, 2018, 17, , 31 - 64
133	Keivani Nahr, F., Ghanbarzadeh, B., Hamishehkar, H., Samadi Kafil, H., Food grade nanostructured lipid carrier for cardamom essential oil: Preparation, characterization and antimicrobial activity, Journal of Functional Foods, 2018, 40, , 1 - 8
134	Ganesan, P., Karthivashan, G., Park, S.Y., Kim, J., Choi, D.-K., Microfluidization trends in the development of nanodelivery systems and applications in chronic disease treatments, International Journal of Nanomedicine, 2018, 13, , 6109 - 6121
135	Ganesan, P., Ko, H.-M., Kim, I.-S., Choi, D.-K., Recent trends in the development of nanophytobioactive compounds and delivery systems for their possible role in reducing oxidative stress in Parkinson's disease models, International Journal of Nanomedicine, 2015, 10, , 6757 - 6772
I. Lacatusu, G. Niculae, Badea N, R. Stan, A. Meghea, Influence of vegetable oil on the synthesis of bioactive nanocarriers with broad spectrum photoprotection, Central European Journal of Chemistry, 12(8), 837-850, ISSN 1895-1066, WOS:000335552400004	
136	Soleimanian, Y., Goli, S.A.H., Varshosaz, J., Maestrelli, F., Propolis wax nanostructured lipid carrier for delivery of β sitosterol: Effect of formulation variables on physicochemical properties, Food Chemistry, 2018, 260, , 97 - 105
137	Pinto, F., de Barros, D.P.C., Fonseca, L.P., Design of multifunctional nanostructured lipid carriers enriched with α -tocopherol using vegetable oils, Industrial Crops and Products, 2018, 118, , 149 - 159
138	Soleimanian, Y., Goli, S.A.H., Varshosaz, J., Sahafi, S.M., Formulation and characterization of novel nanostructured lipid carriers made from beeswax, propolis wax and pomegranate seed oil, Food Chemistry, 2018, 244, , 83 - 92
139	Dario, M.F., Oliveira, F.F., Marins, D.S.S., Baby, A.R., Velasco, M.V.R., Löbenberg, R., Bou-Chacra, N.A., Synergistic photoprotective activity of nanocarrier containing oil of <i>Acrocomia aculeata</i> (Jacq.) Lodd. Ex. Martius—Arecaceae, Industrial Crops and Products, 2018, 112, , 305 - 312
140	Marchiori, M.C.L., Rigon, C., Copetti, P.M., Sagrillo, M.R., Cruz, L., Nanoencapsulation Improves Scavenging Capacity and Decreases Cytotoxicity of Silibinin and Pomegranate Oil Association, AAPS PharmSciTech, 2017, 18, 8, 3236 - 3246
141	Zielińska, A., Nowak, I., Abundance of active ingredients in sea-buckthorn oil, Lipids in Health and Disease, 2017, 16, 1, -

142	Radice, M., Manfredini, S., Ziosi, P., Dissette, V., Buso, P., Fallacara, A., Vertuani, S., Herbal extracts, lichens and biomolecules as natural photo-protection alternatives to synthetic UV filters. A systematic review, <i>Fitoterapia</i> , 2016, 114, , 144 - 162
143	Venturini, C.G., Bruinsmann, F.A., Oliveira, C.P., Contri, R.V., Pohlmann, A.R., Guterres, S.S., Vegetable oil-loaded nanocapsules: Innovative alternative for incorporating drugs for parenteral administration, <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 2, 1310 - 1320
Niculae, G., Lacatusu, I., Badea, N. , Oprea, O., Meghea, A., "Optimization of lipid nanoparticles composition for sunscreen encapsulation", <i>UPB. Sci. Bull., Seria B</i> , Volume 75, Issue 3, 2013, Pages 79-92	
145	Lee, X.Y., Chu, C.C., Hasan, Z.A.B.A., Chua, S.K., Nyam, K.L., Novel Nanostructured Lipid Carriers with Photoprotective Properties Made from Carnuba Wax, Beeswax, and Kenaf Seed Oil, <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2019, 96, 2, 201 - 211
146	Mo, Z., Ban, J., Zhang, Y., Du, Y., Wen, Y., Huang, X., Xie, Q., Shen, L., Zhang, S., Deng, H., Hou, D., Chen, Y., Lu, Z., Nanostructured lipid carriers-based thermosensitive eye drops for enhanced, sustained delivery of dexamethasone, <i>Nanomedicine</i> , 2018, 13, 11, 1239 - 1253
147	Butt, U., ElShaer, A., Snyder, L.A.S., Al-Kinani, A.A., Le Gresley, A., Alany, R.G., Fatty acid based microemulsions to combat ophthalmia neonatorum caused by <i>Neisseria gonorrhoeae</i> and <i>Staphylococcus aureus</i> , <i>Nanomaterials</i> , 2018, 8, 1, -
148	Abdel-Salam, F.S., Mahmoud, A.A., Ammar, H.O., Elkheshen, S.A., Nanostructured lipid carriers as semisolid topical delivery formulations for diflucortolone valerate, <i>Journal of Liposome Research</i> , 2017, 27, 1, 41 - 55
149	Fernández, E., Rodríguez, G., Cócera, M., Barbosa-Barros, L., Alonso, C., López-Iglesias, C., Jawhari, T., De La Maza, A., López, O., Advanced lipid systems containing β -carotene: Stability under UV-vis radiation and application on porcine skin in vitro, <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28, 18710 - 18721
150	Grafu, I.A., Badea, G., Balaci, T., Synthesis of anticancer vegetable-based lipid nanocarriers, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> , 2015, 77, 4, 247 - 254
Niculae G., Badea N. , Meghea A., Oprea O., Lacatusu I., Co-encapsulation of butyl-methoxydibenzoylmethane and octocrylene into lipid nanocarriers: UV performance, photostability and in Vitro release, <i>Photochemistry and Photobiology</i> , ISSN 1751-1097, 89, 5, 1085-1094, 2013, WOS:000324033900011	
151	Frizzo, M.S., Feuser, P.E., Berres, P.H., Ricci-Júnior, E., Campos, C.E.M., Costa, C., de Araújo, P.H.H., Sayer, C., Simultaneous encapsulation of zinc oxide and octocrylene in poly (methyl methacrylate-co-styrene) nanoparticles obtained by miniemulsion polymerization for use in sunscreen formulations, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 561, , 39 - 46
152	Negreanu-Pirjol, B.-S., Negreanu-Pirjol, T., Sirbu, R., Popoviciu, D.R., Bioaccumulation and effects of aluminium on plant growth in three culture plants species, <i>Revista de Chimie</i> , 2019, 70, 2, 602 - 604
153	Ling, H., Zheng, C., Mao, T.-Y., Zhong, J.-M., Encapsulation of OMC and BP-3 with Biocompatible Lipid Nanoparticles via High Pressure Homogenization, <i>Gao Xiao Hua Xue Gong Cheng Xue Bao/Journal of Chemical Engineering of Chinese Universities</i> , 2018, 32, 2, 377 - 385
154	Yap, F.H.X., Chua, H.C., Tait, C.P., Active sunscreen ingredients in Australia, <i>Australasian Journal of Dermatology</i> , 2017, 58, 4, e160 - e170

155	Lionetti, N., Rigano, L., The new sunscreens among formulation strategy, stability issues, changing norms, safety and efficacy evaluations, <i>Cosmetics</i> , 2017, 4, 2, -
156	Wang, K., Zhang, Q.-J., Miao, Y.-L., Luo, S.-Q., Wang, H.-C., Zhang, W.-P., Effect of solid lipid's structure on nanostructured lipid carriers encapsulated with sun filter: characterisation, photo-stability and in vitro release, <i>Journal of Microencapsulation</i> , 2017, 34, 1, 104 - 110
157	Hayden, D.R., Imhof, A., Velikov, K.P., Biobased Nanoparticles for Broadband UV Protection with Photostabilized UV Filters, <i>ACS Applied Materials and Interfaces</i> , 2016, 8, 48, 32655 - 32660
158	Yadav, H.K.S., Kasina, S., Raizaday, A., Sunscreens, <i>Nanobiomaterials in Galenic Formulations and Cosmetics: Applications of Nanobiomaterials</i> , 2016, , , 201 - 230
159	Radulescu, M., Arsenie, L.V., Oprea, O., Vasile, B.S., Optical and photocatalytic properties of copper(II) doped zinc oxide, <i>Revista de Chimie</i> , 2016, 67, 12, 2596 - 2599
160	Durango, S., Castañeda, S., Vallejo, J., Gallardo, C., Solvent effect on photostability of butyl methoxy di benzoyl methane formulated in solution and emulsion, <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , 2015, 7, 9, 181 - 186
161	Badea, G., Bors, A.G., Lacatusu, I., Oprea, O., Ungureanu, C., Stan, R., Meghea, A., Influence of basil oil extract on the antioxidant and antifungal activities of nanostructured carriers loaded with nystatin, <i>Comptes Rendus Chimie</i> , 2015, 18, 6, 668 - 677
162	Radulescu, M., Ficai, D., Oprea, O., Ficai, A., Andronescu, E., Holban, A.M., Antimicrobial Chitosan based formulations with impact on different biomedical applications, <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 2, 128 - 136
163	Ficai, D., Oprea, O., Ficai, A., Holban, A.M., Metal oxide nanoparticles: Potential uses in biomedical applications, <i>Current Proteomics</i> , 2014, 11, 2, 139 - 149
164	Bors, A., Miculae, G., Stan, R., Meghea, A., Lipid nanocarriers with antifungal activity prepared by high pressure homogenization, <i>Revista de Chimie</i> , 2014, 65, 6, 671 - 675
165	De Groot, A.C., Roberts, D.W., Contact and photocontact allergy to octocrylene: A review, <i>Contact Dermatitis</i> , 2014, 70, 4, 193 - 204
166	Thukral, D.K., Dumoga, S., Mishra, A.K., Solid lipid nanoparticles: Promising therapeutic nanocarriers for drug delivery, <i>Current Drug Delivery</i> , 2014, 11, 6, 771 - 791
Lacatusu I., Mitrea, E., Badea N* , Stan R., Oprea O., Meghea A., Lipid nanoparticles based on omega-3 fatty acids as effective carriers for lutein delivery. Preparation and in vitro characterization studies, <i>Journal of Functional Foods</i> , ISSN 1756-4646, 5, 1 2 6 0 –1 2 6 9, 2013, WOS:000322691600027;	
167	Rostamabadi, H., Falsafi, S.R., Jafari, S.M., Nanoencapsulation of carotenoids within lipid-based nanocarriers, <i>Journal of Controlled Release</i> , 2019, 298, , 38 - 67
168	de Boer, F.Y., Imhof, A., Velikov, K.P., Encapsulation of colorants by natural polymers for food applications, <i>Coloration Technology</i> , 2019, , , -
169	da Silva Santos, V., Badan Ribeiro, A.P., Andrade Santana, M.H., Solid lipid nanoparticles as carriers for lipophilic compounds for applications in foods, <i>Food Research International</i> , 2019, , , -
170	Li, X., Wang, X., Liu, J., Xu, D., Cao, Y., Sun, B., The effect of unadsorbed proteins on the physicochemical properties of the heteroaggregates of oppositely charged lactoferrin coated lutein droplets and whey protein isolate coated DHA droplets, <i>Food and Function</i> , 2018, 9, 7, 3956 - 3964
171	Muhoza, B., Zhang, Y., Xia, S., Cai, J., Zhang, X., Su, J., Improved stability and controlled release of lutein-loaded micelles based on glycosylated casein via Maillard reaction, <i>Journal of Functional Foods</i> , 2018, 45, , 1 - 9

172	Soleimanian, Y., Goli, S.A.H., Varshosaz, J., Sahafi, S.M., Formulation and characterization of novel nanostructured lipid carriers made from beeswax, propolis wax and pomegranate seed oil, <i>Food Chemistry</i> , 2018, 244, , 83 - 92
173	Li, X., Wang, X., Xu, D., Cao, Y., Wang, S., Wang, B., Sun, B., Yuan, F., Gao, Y., Enhancing physicochemical properties of emulsions by heteroaggregation of oppositely charged lactoferrin coated lutein droplets and whey protein isolate coated DHA droplets, <i>Food Chemistry</i> , 2018, 239, , 75 - 85
174	Soukoulis, C., Bohn, T., A comprehensive overview on the micro- and nano-technological encapsulation advances for enhancing the chemical stability and bioavailability of carotenoids, <i>Critical Reviews in Food Science and Nutrition</i> , 2018, 58, 1, 1 - 36
175	Jiao, Y., Zheng, X., Chang, Y., Li, D., Sun, X., Liu, X., Zein-derived peptides as nanocarriers to increase the water solubility and stability of lutein, <i>Food and Function</i> , 2018, 9, 1, 117 - 123
176	Keivani Nahr, F., Ghanbarzadeh, B., Hamishehkar, H., Samadi Kafil, H., Food grade nanostructured lipid carrier for cardamom essential oil: Preparation, characterization and antimicrobial activity, <i>Journal of Functional Foods</i> , 2018, 40, , 1 - 8
177	Silva, J.T.D.P., Silva, A.C.D., Geiss, J.M.T., de Araújo, P.H.H., Becker, D., Bracht, L., Leimann, F.V., Bona, E., Guerra, G.P., Gonçalves, O.H., Analytical validation of an ultraviolet–visible procedure for determining lutein concentration and application to lutein-loaded nanoparticles, <i>Food Chemistry</i> , 2017, 230, , 336 - 342
178	Sabzichi, M., Mohammadian, J., Bazzaz, R., Pirouzpanah, M.B., Shaaker, M., Hamishehkar, H., Chavoshi, H., Salehi, R., Samadi, N., Chrysin loaded nanostructured lipid carriers (NLCs) triggers apoptosis in MCF-7 cancer cells by inhibiting the Nrf2 pathway, <i>Process Biochemistry</i> , 2017, 60, , 84 - 91
179	Souza, M.F., Francisco, C.R.L., Sanchez, J.L., Guimarães-Inácio, A., Valderrama, P., Bona, E., Tanamati, A.A.C., Leimann, F.V., Gonçalves, O.H., Fatty acids profile of chia oil-loaded lipid microparticles, <i>Brazilian Journal of Chemical Engineering</i> , 2017, 34, 3, 659 - 669
180	Brum, A.A.S., Santos, P.P.D., Silva, M.M.D., Paese, K., Guterres, S.S., Costa, T.M.H., Pohlmann, A.R., Jablonski, A., Flôres, S.H., Rios, A.D.O., Lutein-loaded lipid-core nanocapsules: Physicochemical characterization and stability evaluation, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 522, , 477 - 484
181	Surh, J., Decker, E.A., McClements, D.J., Utilisation of spontaneous emulsification to fabricate lutein-loaded nanoemulsion-based delivery systems: factors influencing particle size and colour, <i>International Journal of Food Science and Technology</i> , 2017, 52, 6, 1408 - 1416
182	Madaan, T., Choudhary, A.N., Gyenwalee, S., Thomas, S., Mishra, H., Tariq, M., Vohora, D., Talegaonkar, S., Lutein, a versatile phyto-nutraceutical: An insight on pharmacology, therapeutic indications, challenges and recent advances in drug delivery, <i>PharmaNutrition</i> , 2017, 5, 2, 64 - 75
183	Ravi, H., Baskaran, V., Chitosan-glycolipid nanocarriers improve the bioavailability of fucoxanthin via up-regulation of PPAR γ and SRB1 and antioxidant activity in rat model, <i>Journal of Functional Foods</i> , 2017, 28, , 215 - 226
184	Mathew, A., Marotta, F., Sakthi Kumar, D., Nanotechnology in Anti-Aging: Nutraceutical Delivery and Related Applications, <i>RSC Drug Discovery Series</i> , 2017, 2017-January, 57, -
185	Montenegro, L., Lipid-based nanoparticles as carriers for dermal delivery of antioxidants, <i>Current Drug Metabolism</i> , 2017, 18, 5, 469 - 480

186	Kumar, P., Kim, K.-H., Bansal, V., Kumar, S., Dilbaghi, N., Kim, Y.-H., Modern progress and future challenges in nanocarriers for probe applications, <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 86, , 235 - 250
187	Rajendran, K., Sen, S., Targeted delivery of nutraceuticals using nanoparticles, <i>Nanotechnology in Nutraceuticals: Production to Consumption</i> , 2016, , , 87 - 116
188	Xu, H., Yang, P., Ma, H., Yin, W., Wu, X., Wang, H., Xu, D., Zhang, X., Amphiphilic block copolymers-based mixed micelles for noninvasive drug delivery, <i>Drug Delivery</i> , 2016, 23, 8, 3063 - 3071
189	Singh, P., Singh, M., Kanoujia, J., Arya, M., Saraf, S.K., Saraf, S.A., Process optimization and photostability of silymarin nanostructured lipid carriers: effect on UV-irradiated rat skin and SK-MEL 2 cell line, <i>Drug Delivery and Translational Research</i> , 2016, 6, 5, 597 - 609
190	Eltayeb, M., Stride, E., Edirisinghe, M., Harker, A., Electrospayed nanoparticle delivery system for controlled release, <i>Materials Science and Engineering C</i> , 2016, 66, , 138 - 146
191	Chapeau, A.-L., Tavares, G.M., Hamon, P., Croguennec, T., Poncelet, D., Bouhallab, S., Spontaneous co-assembly of lactoferrin and β -lactoglobulin as a promising biocarrier for vitamin B9, <i>Food Hydrocolloids</i> , 2016, 57, , 280 - 290
192	Yang, R., Gao, Y., Zhou, Z., Strappe, P., Blanchard, C., Fabrication and characterization of ferritin-chitosan-lutein shell-core nanocomposites and lutein stability and release evaluation in vitro, <i>RSC Advances</i> , 2016, 6, 42, 35267 - 35279
193	Wani, T.A., Shah, A.G., Wani, S.M., Wani, I.A., Masoodi, F.A., Nissar, N., Shagoo, M.A., Suitability of different food grade materials for the encapsulation of some functional foods well reported for their advantages and susceptibility, <i>Critical Reviews in Food Science and Nutrition</i> , 2016, 56, 15, 2431 - 2454
194	Dima, Ș., Dima, C., Iordăchescu, G., Encapsulation of Functional Lipophilic Food and Drug Biocomponents, <i>Food Engineering Reviews</i> , 2015, 7, 4, 417 - 438
195	Shin, G.H., Kim, J.T., Park, H.J., Recent developments in nanoformulations of lipophilic functional foods, <i>Trends in Food Science and Technology</i> , 2015, 46, 1, 144 - 157
196	Ionescu, N., Ivopol, G.-C., Neagu, M., Popescu, M., Meghea, A., Fatty acids and antioxidant activity in vegetable oils used in cosmetic formulations, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> , 2015, 77, 3, 39 - 48
197	Zhu, J., Zhuang, P., Luan, L., Sun, Q., Cao, F., Preparation and characterization of novel nanocarriers containing krill oil for food application, <i>Journal of Functional Foods</i> , 2015, 19, , 902 - 912
198	Radulescu, M., Ficai, D., Oprea, O., Ficai, A., Andronescu, E., Holban, A.M., Antimicrobial Chitosan based formulations with impact on different biomedical applications, <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 2, 128 - 136
199	Kaushik, P., Dowling, K., Barrow, C.J., Adhikari, B., Microencapsulation of omega-3 fatty acids: A review of microencapsulation and characterization methods, <i>Journal of Functional Foods</i> , 2015, 19, , 868 - 881
200	Jampilek, J., Kráľová, K., Application of Nanotechnology in Agriculture and Food Industry, Its Prospects and Risks, <i>Ecological Chemistry and Engineering S</i> , 2015, 22, 3, 321 - 361
201	Salminen, H., Aulbach, S., Leuenberger, B.H., Tedeschi, C., Weiss, J., Influence of surfactant composition on physical and oxidative stability of Quillaja saponin-stabilized lipid particles with encapsulated ω -3 fish oil, <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, , 46 - 55

202	Ficai, D., Oprea, O., Ficai, A., Holban, A.M., Metal oxide nanoparticles: Potential uses in biomedical applications, <i>Current Proteomics</i> , 2014, 11, 2, 139 - 149
203	Oprea, O., Andronesco, E., Ficai, D., Ficai, A., Oktar, F.N., Yetmez, M., ZnO applications and challenges, <i>Current Organic Chemistry</i> , 2014, 18, 2, 192 - 203
204	Popa, A., Niculae, G., Meghea, A., Co-encapsulation of a mixture of antioxidant and sunscreen agents into solid lipid nanoparticles, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> , 2014, 76, 2, 45 - 56
205	Zhu, Y., Peng, W., Zhang, J., Wang, M., Firempong, C.K., Feng, C., Liu, H., Xu, X., Yu, J., Enhanced oral bioavailability of capsaicin in mixed polymeric micelles: Preparation, in vitro and in vivo evaluation, <i>Journal of Functional Foods</i> , 2014, 8, 1, 358 - 366
206	Braithwaite, M.C., Tyagi, C., Tomar, L.K., Kumar, P., Choonara, Y.E., Pillay, V., Nutraceutical-based therapeutics and formulation strategies augmenting their efficiency to complement modern medicine: An overview, <i>Journal of Functional Foods</i> , 2014, 6, 1, 82 - 99
207	McClements, D.J., Nanoparticle- and microparticle-based delivery systems: Encapsulation, protection and release of active compounds, <i>Nanoparticle- and Microparticle-based Delivery Systems: Encapsulation, Protection and Release of Active Compounds</i> , 2014, , 1 - 524
208	Craciun, L., Alexandrescu, L., Jinga, O.A., Jitaru, I., Antimicrobial activity of new Cu(II) and Zn(II) heteroieptic complexes containing bipyridine, benzimidazole and thiadiazole derivatives, <i>Revista de Chimie</i> , 2013, 64, 11, 1243 - 1249
Barbinta-Patrascu M.E., Bunghez I.R., Iordache S. M., Badea N* , Fierascu R.C. Ion R. M.- Antioxidant properties of biohybrids based on liposomes and sage silver nanoparticles, <i>J. Nanosci. Nanotechnol.</i> , ISSN: 1533-4880, 13, 2051-2060, 2013, WOS:000319027300081	
209	Barbinta-Patrascu, M.E., Ungureanu, C., Suica-Bunghez, I.-R., Iordache, A.-M., Milenković Petrović, S., Ispas, A., Zgura, I., Performant silver-based biohybrids generated from orange and grapefruit wastes, <i>Journal of Optoelectronics and Advanced Materials</i> , 2018, 20, 43747, 551 - 557
210	Hooshmand, S., Es'haghi, Z., Hydrophilic modified magnetic multi-walled carbon nanotube for dispersive solid/liquid phase microextraction of sunitinib in human samples, <i>Analytical Biochemistry</i> , 2018, 542, , 76 - 83
211	Fierascu, R.C., Fierascu, I., Chican, I.E., Varasteanu, D.S., Soare, L.C., Metallic nanoparticles obtained through phytosynthesis: New advanced materials of the twenty-first century, <i>Proceedings of SPIE - The International Society for Optical Engineering</i> , 2018, 10977
212	Sun, J., Kormakov, S., Liu, Y., Huang, Y., Wu, D., Yang, Z., Recent progress in metal-based nanoparticles mediated photodynamic therapy, <i>Molecules</i> , 2018, 23, 7, -
213	Suica-Bunghez, I.R., Teodorescu, S., Dulama, I.D., Voinea, O.C., Imionescu, S., Ion, R.M., Antioxidant activity and phytochemical compounds of snake fruit (<i>Salacca Zalacca</i>), <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 133, 1, -
214	Ionescu, N., Popescu, M., Bratu, A., Istrati, D., Ott, C., Meghea, A., Valuable Romanian vegetable oils and extracts with high pharmaco-cosmetic potential, <i>Revista de Chimie</i> , 2015, 66, 9, 1267 - 1272
215	Bunghez, I.-R., Dumitrescu, O., Somoghi, R., Ionita, I., Ion, R.-M., Silver nanoparticles obtained via <i>Morus Nigra</i> extract synthesis and antioxidant activity, <i>Revista de Chimie</i> , 2015, 66, 8, 1112 - 1115
216	Badea, G., Bors, A.G., Lacatusu, I., Oprea, O., Ungureanu, C., Stan, R., Meghea, A., Influence of basil oil extract on the antioxidant and antifungal activities of

	nanostructured carriers loaded with nystatin, <i>Comptes Rendus Chimie</i> , 2015, 18, 6, 668 - 677
217	Patrascu, M.E.B., Ungureanu, C., Rau, I., Biohybrids based on carbon nanotubes and liposomes - Biophysical studies, <i>Molecular Crystals and Liquid Crystals</i> , 2014, 604, 1, 1 - 10
218	Vasanth, K., Ilango, K., MohanKumar, R., Agrawal, A., Dubey, G.P., Anticancer activity of Moringa oleifera mediated silver nanoparticles on human cervical carcinoma cells by apoptosis induction, <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, , 354 - 359
219	Huang, Y., Lü, X., The influence of silver nanoparticle-induced oxidative stress on microRNA expression and cytotoxicity, <i>Science of Advanced Materials</i> , 2014, 6, 8, 1907 - 1918
Feraru D.L., Meghea A., Badea N* . Forensic discrimination of ballpoint pen inks based on correlation of data obtained by optical and spectral methods, <i>REV. CHIM</i> , ISSN 0034-7752,64 (1) 74 -80, 2013, WOS:000315934900013	
220	Sun, Q., Luo, Y., Zhang, Q., Yang, X., Xu, C., How Much Can a Forensic Laboratory Do to Discriminate Questioned Ink Entries?, <i>Journal of Forensic Sciences</i> , 2016, 61, 4, 1116 - 1121
221	Muro, C.K., Doty, K.C., Bueno, J., Halámková, L., Lednev, I.K., Forensic Applications of Vibrational Spectroscopy, <i>Forensic Science: A Multidisciplinary Approach</i> , 2016, , 5 - 54
222	Muro, C.K., Doty, K.C., Bueno, J., Halámková, L., Lednev, I.K., Vibrational spectroscopy: Recent developments to revolutionize forensic science, <i>Analytical Chemistry</i> , 2015, 87, 1, 306 - 327
223	Feraru, D.L., Mihaly, M., Meghea, A., Chromatic analysis of blue ballpoint pen inks and related dyes, <i>Color Research and Application</i> , 2015, 40, 2, 169 - 177
224	Feraru, D.L., Meghea, A., Comparative forensic analysis of ballpoint pen inks, <i>Revista de Chimie</i> , 2014, 65, 4, 420 - 425
Lacatusu I., Badea N. , Oprea O. , Bojin D., Meghea A. , Antioxidant activity of solid lipid nanoparticles loaded with umbelliferone, <i>Soft materials</i> , 11 (1), 75 - 84, 2013, (ISSN 1539-445X, WOS:000312440900011	
225	Telange, D.R., Nirgulkar, S.B., Umekar, M.J., Patil, A.T., Pethe, A.M., Bali, N.R., Enhanced transdermal permeation and anti-inflammatory potential of phospholipids complex-loaded matrix film of umbelliferone: Formulation development, physico-chemical and functional characterization, <i>European Journal of Pharmaceutical Sciences</i> , 2019, 131, , 23 - 38
226	Oehlke, K., Behsnilian, D., Mayer-Miebach, E., Weidler, P.G., Greiner, R., Edible solid lipid nanoparticles (SLN) as carrier system for antioxidants of different lipophilicity, <i>PLoS ONE</i> , 2017, 12, 2, -
227	Jain, A., Kesharwani, P., Garg, N.K., Jain, A., Nirbhavane, P., Dwivedi, N., Banerjee, S., Iyer, A.K., Mohd Amin, M.C.I., Nano-constructed carriers loaded with antioxidant: Boon for cardiovascular system, <i>Current Pharmaceutical Design</i> , 2015, 21, 30, 4456 - 4464
228	Ionescu, N., Ivopol, G.-C., Neagu, M., Popescu, M., Meghea, A., Fatty acids and antioxidant activity in vegetable oils used in cosmetic formulations, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> , 2015, 77, 3, 39 - 48
229	Grafu, I.A., Badea, G., Balaci, T., Synthesis of anticancer vegetable-based lipid nanocarriers, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> , 2015, 77, 4, 247 - 254

230	Badea, G., Bors, A.G., Lacatusu, I., Oprea, O., Ungureanu, C., Stan, R., Meghea, A., Influence of basil oil extract on the antioxidant and antifungal activities of nanostructured carriers loaded with nystatin, <i>Comptes Rendus Chimie</i> , 2015, 18, 6, 668 - 677
231	Radulescu, M., Fikai, D., Oprea, O., Fikai, A., Andronescu, E., Holban, A.M., Antimicrobial Chitosan based formulations with impact on different biomedical applications, <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 2, 128 - 136
232	Duvvuri, L.S., Katiyar, S., Kumar, A., Khan, W., Delivery aspects of antioxidants in diabetes management, <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 5, 827 - 844
233	Fikai, D., Oprea, O., Fikai, A., Holban, A.M., Metal oxide nanoparticles: Potential uses in biomedical applications, <i>Current Proteomics</i> , 2014, 11, 2, 139 - 149
234	Oprea, O., Andronescu, E., Fikai, D., Fikai, A., Oktar, F.N., Yetmez, M., ZnO applications and challenges, <i>Current Organic Chemistry</i> , 2014, 18, 2, 192 - 203
235	Popa, A., Niculae, G., Meghea, A., Co-encapsulation of a mixture of antioxidant and sunscreen agents into solid lipid nanoparticles, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> , 2014, 76, 2, 45 - 56
236	Bratu, M.M., Birghila, S., Miresan, H., Negreanu-Pirol, T., Prajitura, C., Calinescu, M., Biological activities of Zn(II) and Cu(II) complexes with quercetin and rutin: Antioxidant properties and UV-protection capacity, <i>Revista de Chimie</i> , 2014, 65, 5, 544 - 549
237	Venkatachalam, G., Srinivasan, D., Doble, M., Cyclic β -(1, 2)-glucan production by <i>Rhizobium meliloti</i> MTCC 3402, <i>Process Biochemistry</i> , 2013, 48, 12, 1848 - 1854
238	Mitrea, E., Meghea, A., Process parameters and working conditions for obtaining lipid nanostructures based on fish oil, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> , 2013, 75, 4, 157 - 168
239	Craciun, L., Alexandrescu, L., Jinga, O.A., Jitaru, I., Antimicrobial activity of new Cu(II) and Zn(II) heteroieptic complexes containing bipyridine, benzimidazole and thiadiazole derivatives, <i>Revista de Chimie</i> , 2013, 64, 11, 1243 - 1249
Negreanu-Pirjol, B, Negreanu-Pirjol, T, Badea, N , Paraschiv, GM, Gorun, E, Sirbu, R, Meghea, A. Physico-chemical and microbiological characterization of municipal sludge from Romanian Black Sea coast waste water treatment plants. <i>J. Env. Prot. Ecol.</i> , 13, 4, 2232-2239, 2012, ISSN 1311 – 5065, WOS:000313926400021.	
240	Craciun, L., Alexandrescu, L., Jinga, O.A., Jitaru, I., Antimicrobial activity of new Cu(II) and Zn(II) heteroieptic complexes containing bipyridine, benzimidazole and thiadiazole derivatives, <i>Revista de Chimie</i> , 2013, 64, 11, 1243 - 1249
241	Marincu, I., Popovici, E., Mihaicuta, S., Vlad, D.C., Stoicescu, R.M., Smoking impact on oral candidiasis in HIV-infected patients, <i>Journal of Environmental Protection and Ecology</i> , 2015, 16, 3, 1125 - 1131
242	Marincu, I., Popovici, E., Mihaicuta, S., Vlad, D.C., Stoicescu, R.M., Smoking impact on oral candidiasis in HIV-infected patients, <i>Journal of Environmental Protection and Ecology</i> , 2015, 16, 3, 1125 - 1131
Lacatusu I, Badea N* , Stan R., Meghea A., Novel bio-active lipid nanocarriers for the stabilization and sustained release of sitosterol, <i>Nanotechnology</i> , ISSN: 0957- 4484, 23, 455702 - 45515, 2012; WOS:000310579200018;	
243	Marincu, I., Popovici, E., Mihaicuta, S., Vlad, D.C., Stoicescu, R.M., Smoking impact on oral candidiasis in HIV-infected patients, <i>Journal of Environmental Protection and Ecology</i> , 2015, 16, 3, 1125 - 1131
244	Soleimanian, Y., Goli, S.A.H., Varshosaz, J., Maestrelli, F., β -sitosterol Lipid Nano Carrier Based on Propolis Wax and Pomegranate Seed Oil: Effect of Thermal

	Processing, pH, and Ionic Strength on Stability and Structure, <i>European Journal of Lipid Science and Technology</i> , 2019, 121, 1, -
245	da Silva Santos, V., Badan Ribeiro, A.P., Andrade Santana, M.H., Solid lipid nanoparticles as carriers for lipophilic compounds for applications in foods, <i>Food Research International</i> , 2019, , , -
246	Andima, M., Costabile, G., Isert, L., Ndakala, A.J., Derese, S., Merkel, O.M., Evaluation of β -sitosterol loaded PLGA and PEG-PLA nanoparticles for effective treatment of breast cancer: Preparation, physicochemical characterization, and antitumor activity, <i>Pharmaceutics</i> , 2018, 10, 4, -
247	Soleimani, Y., Goli, S.A.H., Varshosaz, J., Maestrelli, F., Propolis wax nanostructured lipid carrier for delivery of β sitosterol: Effect of formulation variables on physicochemical properties, <i>Food Chemistry</i> , 2018, 260, , 97 - 105
248	Alexander, A., Ajazuddin, Patel, R.J., Saraf, S., Saraf, S., Recent expansion of pharmaceutical nanotechnologies and targeting strategies in the field of phytopharmaceuticals for the delivery of herbal extracts and bioactives, <i>Journal of Controlled Release</i> , 2016, 241, , 110 - 124
249	Bin Sayeed, M.S., Ameen, S.S., Beta-Sitosterol: A Promising but Orphan Nutraceutical to Fight Against Cancer, <i>Nutrition and Cancer</i> , 2015, 67, 8, 1214 - 1220
250	Ionescu, N., Popescu, M., Bratu, A., Istrati, D., Ott, C., Meghea, A., Valuable Romanian vegetable oils and extracts with high pharmaco-cosmetic potential, <i>Revista de Chimie</i> , 2015, 66, 9, 1267 - 1272
251	Ionescu, N., Ivopol, G.-C., Neagu, M., Popescu, M., Meghea, A., Fatty acids and antioxidant activity in vegetable oils used in cosmetic formulations, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> , 2015, 77, 3, 39 - 48
252	Patel, S., Emerging bioresources with nutraceutical and pharmaceutical prospects, <i>Emerging Bioresources with Nutraceutical and Pharmaceutical Prospects</i> , 2015, 1 - 131
253	Talarico, A.M., Szerb, E.I., Ghedini, M., Rossi, C.O., The potential of the F127-water soft system towards selective solubilisation of iridium(iii) octahedral complexes, <i>Soft Matter</i> , 2014, 10, 35, 6783 - 6790
254	Bors, A., Miculae, G., Stan, R., Meghea, A., Lipid nanocarriers with antifungal activity prepared by high pressure homogenization, <i>Revista de Chimie</i> , 2014, 65, 6, 671 - 675
255	Mitre, E., Ott, C., Meghea, A., New approaches on the synthesis of effective nanostructured lipid carriers, <i>Revista de Chimie</i> , 2014, 65, 1, 50 - 55
Bunghez R., Barbinta Patrascu M. E., Badea N , Doncea S. M. , Popescu A., Ion R. M., Antioxidant silver nanoparticles green synthesized using ornamental plants, <i>Journal of Optoelectronics and Advanced Materials</i> , ISSN 1454-4164, 14(11-12), p. 1016 – 1022, 2012, WOS:000312614800024	
256	Kharusi, L.A., Yahyai, R.A., Yaish, M.W., Antioxidant response to salinity in salt-tolerant and salt-susceptible cultivars of date palm, <i>Agriculture (Switzerland)</i> , 2019, 9, 1, -
257	Koul, A., Kumar, A., Singh, V.K., Tripathi, D.K., Mallubhotla, S., Exploring Plant-Mediated Copper, Iron, Titanium, and Cerium Oxide Nanoparticles and Their Impacts, <i>Nanomaterials in Plants, Algae, and Microorganisms</i> , 2017, 1, , 175 - 194
258	Alqahtani, M.A.M., Mohammed, A.E., Daoud, S.I., Alkhalifah, D.H.M., Albrahim, J.S., Lichens (<i>parmotrema clavuliferum</i>) extracts: Bio-mediator in silver nanoparticles formation and antibacterial potential, <i>Journal of Bionanoscience</i> , 2017, 11, 5, 410 - 415
259	Nallappan, D., Tollamadugu, P.N.V.K.V., Fauzi, A.N., Yaacob, N.S., Pasupuleti, V.R., Biomimetic synthesis and anticancer activity of <i>Eurycoma longifolia</i> branch extract-mediated silver nanoparticles, <i>IET Nanobiotechnology</i> , 2017, 11, 7, 889 - 897

260	Chitra, G., Franklin, D.S., Sudarsan, S., Sakthivel, M., Guhanathan, S., Preparation, antimicrobial and antioxidant evaluation of indole-3-acetic acid-based pH-responsive bio-nanocomposites, <i>Polymer Bulletin</i> , 2017, 74, 8, 3379 - 3398
261	Mahmoud, W., Elazzazy, A.M., Danial, E.N., In vitro evaluation of antioxidant, biochemical and antimicrobial properties of biosynthesized silver nanoparticles against multidrug-resistant bacterial pathogens, <i>Biotechnology and Biotechnological Equipment</i> , 2017, 31, 2, 373 - 379
262	Suica-Bunghez, I.-R., Teodorescu, S., Bucurica, I.-A., Somoghi, R., Ion, R.-M., Characterization of antioxidant activity and phytochemical compounds, metal nanoparticles obtained by sideritis scardica extracts, <i>Revue Roumaine de Chimie</i> , 2017, 62, 43652, 545 - 552
263	Tyagi, S., Kumar, A., Tyagi, P.K., Comparative analysis of metal nanoparticles synthesized from Hibiscus rosa-sinesis and their antibacterial activity estimation against nine pathogenic bacteria, <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2017, 10, 5, 323 - 329
264	Labulo, A.H., Adesuji, E.T., Dedeke, O.A., Bodede, O.S., Oseghale, C.O., Moodley, R., Nyamori, V.O., Dare, E.O., Adegoke, O.A., A dual-purpose silver nanoparticles biosynthesized using aqueous leaf extract of Detarium microcarpum: An under-utilized species, <i>Talanta</i> , 2016, 160, , 735 - 744
265	Ahmad, B., Shireen, F., Bashir, S., Khan, I., Azam, S., Green synthesis, characterisation and biological evaluation of AgNPs using Agave americana, Mentha spicata and Mangifera indica aqueous leaves extract, <i>IET Nanobiotechnology</i> , 2016, 10, 5, 281 - 287
266	Hema, J.A., Malaka, R., Muthukumarasamy, N.P., Sambandam, A., Subramanian, S., Sevanan, M., Green synthesis of silver nanoparticles using Zea mays and exploration of its biological applications, <i>IET Nanobiotechnology</i> , 2016, 10, 5, 288 - 294
267	Anjum, S., Abbasi, B.H., Shinwari, Z.K., Plant-mediated green synthesis of silver nanoparticles for biomedical applications: Challenges and opportunities, <i>Pakistan Journal of Botany</i> , 2016, 48, 4, 1731 - 1760
268	Suica-Bunghez, I.R., Teodorescu, S., Dulama, I.D., Voinea, O.C., Imionescu, S., Ion, R.M., Antioxidant activity and phytochemical compounds of snake fruit (Salacca Zalacca), <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 133, 1, -
269	Bujak, T., Nizioł-Łukaszewska, Z., Gawel-Beben, K., Seweryn, A., Kucharek, M., Rybczyńska-Tkaczyk, K., Matysiak, M., The application of different Stevia rebaudiana leaf extracts in the “green synthesis” of AgNPs, <i>Green Chemistry Letters and Reviews</i> , 2015, 8, 43558, 78 - 87
270	Bunghez, I.-R., Dumitrescu, O., Somoghi, R., Ionita, I., Ion, R.-M., Silver nanoparticles obtained via Morus Nigra extract synthesis and antioxidant activity, <i>Revista de Chimie</i> , 2015, 66, 8, 1112 - 1115
271	Vilas, V., Philip, D., Mathew, J., Catalytically and biologically active silver nanoparticles synthesized using essential oil, <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, , 743 - 750
272	Singh, K., Panghal, M., Kadyan, S., Chaudhary, U., Yadav, J.P., Green silver nanoparticles of Phyllanthus amarus: As an antibacterial agent against multi drug resistant clinical isolates of Pseudomonas aeruginosa, <i>Journal of Nanobiotechnology</i> , 2014, 12, 1, 1 - 9
273	Rane, R.V., Meenakshi, K., Shah, M., George, I.A., Biological synthesis of silver nanoparticles using Abelmoschus moschatus, <i>Indian Journal of Biotechnology</i> , 2014, 13, 3, 342 - 346

274	Manjunath Hullikere, M., Joshi, C.G., Peethambar, S.K., Green synthesis of silver nanoparticles using aqueous extract of Vanda tessellate leaves and its anti-oxidant and antibacterial activity, <i>Research Journal of Pharmaceutical, Biological and Chemical Sciences</i> , 2014, 5, 5, 395 - 401
275	Bors, A., Miculae, G., Stan, R., Meghea, A., Lipid nanocarriers with antifungal activity prepared by high pressure homogenization, <i>Revista de Chimie</i> , 2014, 65, 6, 671 - 675
276	Bunghez, I.R., Dumitrescu, O., Vasile, E., Doncea, S., Ion, R.M., Photo-induced formation of Au-Ag nanowires complex on DNA support, <i>Journal of Optoelectronics and Advanced Materials</i> , 2013, 15, 43810, 1380 - 1384
Lacatusu I., Badea N* , Oprea O., Bojin D., Meghea A.- Highly antioxidant carotene-lipid nanocarriers: synthesis and antibacterial activity, <i>J. of Nanoparticle Research</i> , 1388-0764, 14:902, 2012, WOS:000305328900035	
277	Bunghez, I.R., Dumitrescu, O., Vasile, E., Doncea, S., Ion, R.M., Photo-induced formation of Au-Ag nanowires complex on DNA support, <i>Journal of Optoelectronics and Advanced Materials</i> , 2013, 15, 43810, 1380 - 1384
278	Pezeshki, A., Hamishehkar, H., Ghanbarzadeh, B., Fathollahy, I., Keivani Nahr, F., Khakbaz Heshmati, M., Mohammadi, M., Nanostructured lipid carriers as a favorable delivery system for β -carotene, <i>Food Bioscience</i> , 2019, 27, , 11 - 17
279	Hatem, S., Nasr, M., Moftah, N.H., Ragai, M.H., Geneidi, A.S., Elkheshen, S.A., Clinical cosmeceutical repurposing of melatonin in androgenic alopecia using nanostructured lipid carriers prepared with antioxidant oils, <i>Expert Opinion on Drug Delivery</i> , 2018, 15, 10, 927 - 935
280	Soleimani, Y., Goli, S.A.H., Varshosaz, J., Sahafi, S.M., Formulation and characterization of novel nanostructured lipid carriers made from beeswax, propolis wax and pomegranate seed oil, <i>Food Chemistry</i> , 2018, 244, , 83 - 92
281	Witayaudom, P., Klinkesorn, U., Influence of lipid content and dilution on properties and stability of nanostructured lipid carriers (NLCs) prepared from rambutan (<i>Nephelium lappaceum</i> L.) kernel fat and evaluation of their β -carotene loading capacity, <i>Journal of Dispersion Science and Technology</i> , 2018, , , -
282	Witayaudom, P., Klinkesorn, U., Effect of surfactant concentration and solidification temperature on the characteristics and stability of nanostructured lipid carrier (NLC) prepared from rambutan (<i>Nephelium lappaceum</i> L.) kernel fat, <i>Journal of Colloid and Interface Science</i> , 2017, 505, , 1082 - 1092
283	Ostadosse, F., Misra, S.K., Schwartz-Duval, A.S., Sharma, B.K., Pan, D., Nanosalina: A Tale of Saline-Loving Algae from the Lake's Agony to Cancer Therapy, <i>ACS Applied Materials and Interfaces</i> , 2017, 9, 13, 11528 - 11536
284	Kumar, S., Ali, J., Baboota, S., Design Expert® supported optimization and predictive analysis of selegiline nanoemulsion via the olfactory region with enhanced behavioural performance in Parkinson's disease, <i>Nanotechnology</i> , 2016, 27, 43, -
285	Qushawi, A.A., Rassouli, A., Atyabi, F., Peighambari, S.M., Esfandyari-Manesh, M., Shams, G.R., Yazdani, A., Preparation and characterization of three tilmicosin-loaded lipid nanoparticles: Physicochemical properties and in-vitro antibacterial activities, <i>Iranian Journal of Pharmaceutical Research</i> , 2016, 15, 4, 663 - 676
286	Yang, Y., Guo, Y., Sun, R., Wang, X., Self-assembly and β -carotene loading capacity of hydroxyethyl cellulose-graft-linoleic acid nanomicelles, <i>Carbohydrate Polymers</i> , 2016, 145, , 56 - 63
287	Jaiswal, P., Gidwani, B., Vyas, A., Nanostructured lipid carriers and their current application in targeted drug delivery, <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 1, 27 - 40

288	Radulescu, M., Ficai, D., Oprea, O., Ficai, A., Andronesu, E., Holban, A.M., Antimicrobial Chitosan based formulations with impact on different biomedical applications, <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 2, 128 - 136
289	Kaur, I.P., Singh, M., Yadav, M., Sandhu, S.K., Deol, P.K., Sharma, G., Potential of nanomaterials as movers and packers for drug molecules, <i>Solid State Phenomena</i> , 2015, 222, , 159 - 178
290	Patrascu, M.E.B., Ungureanu, C., Rau, I., Biohybrids based on carbon nanotubes and liposomes - Biophysical studies, <i>Molecular Crystals and Liquid Crystals</i> , 2014, 604, 1, 1 - 10
291	Ficai, D., Oprea, O., Ficai, A., Holban, A.M., Metal oxide nanoparticles: Potential uses in biomedical applications, <i>Current Proteomics</i> , 2014, 11, 2, 139 - 149
292	Oprea, O., Andronesu, E., Ficai, D., Ficai, A., Oktar, F.N., Yetmez, M., ZnO applications and challenges, <i>Current Organic Chemistry</i> , 2014, 18, 2, 192 - 203
293	Pezeshki, A., Ghanbarzadeh, B., Mohammadi, M., Fathollahi, I., Hamishehkar, H., Encapsulation of vitamin A palmitate in nanostructured lipid carrier (NLC)-effect of surfactant concentration on the formulation properties, <i>Advanced Pharmaceutical Bulletin</i> , 2014, 4, , 563 - 568
294	Mitreă, E., Ott, C., Meghea, A., New approaches on the synthesis of effective nanostructured lipid carriers, <i>Revista de Chimie</i> , 2014, 65, 1, 50 - 55
295	Niculăe, G., Lacatusu, I., Bors, A., Stan, R., Photostability enhancement by encapsulation of α -tocopherol into lipid-based nanoparticles loaded with a UV filter, <i>Comptes Rendus Chimie</i> , 2014, 17, 10, 1028 - 1033
296	Bratu, M.M., Birghila, S., Miresan, H., Negreanu-Pirol, T., Prajitura, C., Calinescu, M., Biological activities of Zn(II) and Cu(II) complexes with quercetin and rutin: Antioxidant properties and UV-protection capacity, <i>Revista de Chimie</i> , 2014, 65, 5, 544 - 549
297	Mitreă, E., Meghea, A., Process parameters and working conditions for obtaining lipid nanostructures based on fish oil, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> , 2013, 75, 4, 157 - 168
Niculăe G., Lacatusu I., Badea N* , Meghea A., Lipid nanoparticles based on butyl-methoxydibenzoylmethane: In vitro UVA blocking effect, <i>Nanotechnology</i> , ISSN 0957-4484, 23, 315704 (10pp) 2012, WOS:000306516100018	
298	Wang, K., Zhang, Q.-J., Miao, Y.-L., Luo, S.-Q., Wang, H.-C., Zhang, W.-P., Effect of solid lipid's structure on nanostructured lipid carriers encapsulated with sun filter: characterisation, photo-stability and in vitro release, <i>Journal of Microencapsulation</i> , 2017, 34, 1, 104 - 110
299	Mattos, C.B., Rodrigues, M.R., Cordeiro, M., Nunes, R.J., Teixeira, H.F., Lima, V.R., Koester, L.S., Nanoemulsions containing a synthetic chalcone: Photodegradation, in vitro release, and interaction studies, <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 328, , 42 - 49
300	Üner, M., Characterization and imaging of solid lipid nanoparticles and nanostructured lipid carriers, <i>Handbook of Nanoparticles</i> , 2015, , , 117 - 141
301	Wiercigroch, K., Lewińska, A., Wilk, K.A., Multifunctional di-N-oxide surfactants in fabrication of lipid nanoparticles, <i>Surface Innovations</i> , 2014, 2, 4, 253 - 264
302	Bors, A., Miculăe, G., Stan, R., Meghea, A., Lipid nanocarriers with antifungal activity prepared by high pressure homogenization, <i>Revista de Chimie</i> , 2014, 65, 6, 671 - 675
303	Cabrera, C.G., Pinillos Madrid, J.F., Pazmiño Arteaga, J.D., Echeverry, A.M., Characterization of encapsulation process of avobenzone in solid lipid microparticle using a factorial design and its effect on photostability, <i>Journal of Applied Pharmaceutical Science</i> , 2014, 4, 12, 35 - 43

304	Niculae, G., Lacatusu, I., Bors, A., Stan, R., Photostability enhancement by encapsulation of α -tocopherol into lipid-based nanoparticles loaded with a UV filter, <i>Comptes Rendus Chimie</i> , 2014, 17, 10, 1028 - 1033
305	Patel, A., Gaudana, R., Mitra, A.K., A novel approach for antibody nanocarriers development through hydrophobic ion-pairing complexation, <i>Journal of Microencapsulation</i> , 2014, 31, 6, 542 - 550
306	Puglia, C., Damiani, E., Offerta, A., Rizza, L., Tirendi, G.G., Tarico, M.S., Curreri, S., Bonina, F., Perrotta, R.E., Evaluation of nanostructured lipid carriers (NLC) and nanoemulsions as carriers for UV-filters: Characterization, in vitro penetration and photostability studies, <i>European Journal of Pharmaceutical Sciences</i> , 2014, 51, 1, 211 - 217
	Mitreă, E., Meghea, A., Process parameters and working conditions for obtaining lipid nanostructures based on fish oil, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> , 2013, 75, 4, 157 - 168
Lungu A., Șulcă N. M., Vasile E., Badea N , Pârnu C., Iovu H., The infl21 (5), 2919–2926, 2011, luence of POSS substituent on synthesis and properties of hybrid materials based on urethane dimethacrylate (UDMA) and various polyhedral oligomeric silsesquioxane (POSS), <i>Journal of Applied Polymer Science</i> , ISSN 0021-8995, WOS:000291598100053	
307	Kim, Y.H., Choi, G.-M., Kim, Y.H., Bae, B.-S., Mechanically improved sol-gel derived methacrylate-siloxane hybrid materials with urethane linkage, <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 1, 111 - 119
308	Kim, Y.H., Choi, G.-M., Shin, D., Kim, Y.H., Jang, D., Bae, B.-S., Transparent Urethane-Siloxane Hybrid Materials for Flexible Cover Windows with Ceramic-Like Strength, yet Polymer-Like Modulus, <i>ACS Applied Materials and Interfaces</i> , 2018, 10, 49, 43122 - 43130
309	Walczak, M., Januszewski, R., Franczyk, A., Marciniak, B., Synthesis of monofunctionalized POSS through hydrosilylation, <i>Journal of Organometallic Chemistry</i> , 2018, 872, , 73 - 78
310	Florea, N.M., Damian, C.M., Ionescu, C., Lungu, A., Vasile, E., Iovu, H., Designing of polyhedral oligomeric silsesquioxane (POSS)-based dithiol/dimethacrylate nano-hybrids, <i>Polymer Bulletin</i> , 2018, 75, 9, 3897 - 3916
311	Lungu, A., Ghitman, J., Cernencu, A.I., Serafim, A., Florea, N.M., Vasile, E., Iovu, H., POSS-containing hybrid nanomaterials based on thiol-epoxy click reaction, <i>Polymer</i> , 2018, 145, , 324 - 333
312	Walczak, M., Franczyk, A., Marciniak, B., Synthesis of Monofunctionalized Silsesquioxanes via Alkene Hydrosilylation, <i>Chemistry - An Asian Journal</i> , 2018, 13, 2, 181 - 186
313	Rizk, M., Hohlfeld, L., Thanh, L.T., Biehl, R., Lühmann, N., Mohn, D., Wiegand, A., Bioactivity and properties of a dental adhesive functionalized with polyhedral oligomeric silsesquioxanes (POSS) and bioactive glass, <i>Dental Materials</i> , 2017, 33, 9, 1056 - 1065
314	Zhou, H., Ye, Q., Xu, J., Polyhedral oligomeric silsesquioxane-based hybrid materials and their applications, <i>Materials Chemistry Frontiers</i> , 2017, 1, 2, 212 - 230
315	Florea, N.M., Lungu, A., Balanuța, B., Badica, P., Craciun, L., Damian, C.M., Enculescu, M., Ionescu, C., Tihan, G., Iovu, H., Effect of polyhedral oligomeric silsesquioxane nanoreinforcement on the properties of epoxy resin/monoglycidylether-terminated poly(dimethylsiloxane) nanocomposites, <i>High Performance Polymers</i> , 2016, 28, 6, 724 - 734

316	Lungu, A., Florea, N.M., Manea, M., Vasile, E., Iovu, H., Polyhedral oligomeric silsesquioxanes nanoreinforced methacrylate/epoxy hybrids, <i>Journal of Applied Polymer Science</i> , 2016, 133, 4, -
317	Prządka, D., Andrzejewska, E., Marcinkowska, A., Multimethacryloxy-POSS as a crosslinker for hydrogel materials, <i>European Polymer Journal</i> , 2015, 72, , 34 - 49
318	Florea, N.M., Lungu, A., Badica, P., Craciun, L., Enculescu, M., Ghita, D.G., Ionescu, C., Zgîrian, R.G., Iovu, H., Novel nanocomposites based on epoxy resin/epoxy-functionalized polydimethylsiloxane reinforced with POSS, <i>Composites Part B: Engineering</i> , 2015, 75, , 226 - 234
319	Florea, N.M., Lungu, A., Craciun, L., Ionescu, C., Zgîrian, R.G., Tihan, G., Iovu, H., The effect of epoxy functionalized polydimethylsiloxane on epoxy resins thermomechanical and morphological properties, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> , 2015, 77, 4, 29 - 40
320	Balanuca, B., Lungu, A., Hanganu, A.-M., Stan, L.R., Vasile, E., Iovu, H., Hybrid nanocomposites based on POSS and networks of methacrylated camelina oil and various PEG derivatives, <i>European Journal of Lipid Science and Technology</i> , 2014, 116, 4, 458 - 469
321	Chen, D., Liu, Y., Zhang, H., Zhou, Y., Huang, C., Xiong, C., Influence of Polyhedral Oligomeric Silsesquioxanes (POSS) on Thermal and Mechanical Properties of Polydimethylsiloxane (PDMS) Composites Filled with Fumed Silica, <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 6, 1375 - 1382
322	Coneski, P.N., Weise, N.K., Wynne, J.H., Synthesis and characterization of poly(silyl urethane)s derived from glycol-modified silanes, <i>Journal of Applied Polymer Science</i> , 2013, 129, 1, 161 - 173
323	Lungu, A., Florea, N.M., Iovu, H., Dimethacrylic/epoxy interpenetrating polymer networks including octafunctional POSS, <i>Polymer</i> , 2012, 53, 2, 300 - 307
Niță R. M., Lăcătușu I., Badea N. , Nichita C., Meghea A., Effect of vanadium on new silsesquioxane-nanosilica encapsulated bio-active compounds with potential for bio-medical application, <i>U.P.B. sci. Bull., Series B</i> , Vol. 73, ISSN 2, 2011	
324	Mitreă, E., Meghea, A., Process parameters and working conditions for obtaining lipid nanostructures based on fish oil, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> , 2013, 75, 4, 157 - 168
325	El-Shenawy, N.S., Refat, M.S., Fakihi, F.H., Decreasing the diabetic complication by vanadyl(VO) ₂ ⁺ /vitamin B ₆ complex in alloxan-induced diabetic mice, <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 4, 911 - 930
326	Băjenaru, L., Năstase, S., Matei, C., Berger, D., Studies on the synthesis of mesoporous aluminosilicates as carriers for drug delivery systems, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> , 2011, 73, 4, 45 - 50
Lacatusu, I., Badea N. , Murariu, A., Pirvu, C., Meghea, A., „Vegetal nanoclusters in hybrid silica films prepared by sol-gel spin coating technique”, <i>Journal of Non-Crystalline Solids</i> , ISSN: 0022-3093, 357, 1716-1723, 2011, WOS:000290006900018	
327	Barbinta-Patrascu, M.E., Ungureanu, C., Suica-Bunghez, I.-R., Iordache, A.-M., Milenković Petrović, S., Ispas, A., Zgura, I., Performant silver-based biohybrids generated from orange and grapefruit wastes, <i>Journal of Optoelectronics and Advanced Materials</i> , 2018, 20, 43747, 551 - 557
328	Figueira, R.B., Hybrid sol-gel coatings: Erosion-corrosion protection, Production, Properties, and Applications of High Temperature Coatings, 2018, , 334 - 380
329	Tan, Z., Xu, H., Li, G., Yang, X., Choi, M.M.F., Fluorescence quenching for chloramphenicol detection in milk based on protein-stabilized Au nanoclusters,

	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, , 615 - 620
330	Wang, Y., Hu, D., Li, J., Wu, S., Study on optical properties of SiO ₂ /ZrO ₂ and ZrO ₂ /SiO ₂ bilayer films prepared by sol-gel method, Optik, 2013, 124, 16, 2421 - 2423
331	Nair, S.S., Thin films: Synthesis techniques, Synthesis, Characterization and Application of Smart Materials, 2012, , , 217 - 223
	Lacatusu I., Badea N , Murariu A., Meghea A. „The encapsulation effect of UV molecular absorbers into biocompatible lipid nanoparticles”, Nanoscale Research Letters, 6/1/73, (9 pp), 2011, ISSN: 1556-276X, WOS:000290525700005
332	Jose, J., Netto, G., Role of solid lipid nanoparticles as photoprotective agents in cosmetics, Journal of Cosmetic Dermatology, 2019, 18, 1, 315 - 321
333	Ling, H., Zheng, C., Mao, T.-Y., Zhong, J.-M., Encapsulation of OMC and BP-3 with Biocompatible Lipid Nanoparticles via High Pressure Homogenization, Gao Xiao Hua Xue Gong Cheng Xue Bao/Journal of Chemical Engineering of Chinese Universities, 2018, 32, 2, 377 - 385
334	Dario, M.F., Oliveira, F.F., Marins, D.S.S., Baby, A.R., Velasco, M.V.R., Löbenberg, R., Bou-Chacra, N.A., Synergistic photoprotective activity of nanocarrier containing oil of <i>Acrocomia aculeata</i> (Jacq.) Lodd. Ex. Martius—Arecaceae, Industrial Crops and Products, 2018, 112, , 305 - 312
335	Andréo-Filho, N., Bim, A.V.K., Kaneko, T.M., Kitice, N.A., Haridass, I.N., Abd, E., Santos Lopes, P., Thakur, S.S., Parekh, H.S., Roberts, M.S., Grice, J.E., Benson, H.A.E., Leite-Silva, V.R., Development and Evaluation of Lipid Nanoparticles Containing Natural Botanical Oil for Sun Protection: Characterization and in vitro and in vivo Human Skin Permeation and Toxicity, Skin Pharmacology and Physiology, 2018, 31, 1, 1 - 9
336	Kovács, A., Berkó, S., Csányi, E., Csóka, I., Development of nanostructured lipid carriers containing salicylic acid for dermal use based on the Quality by Design method, European Journal of Pharmaceutical Sciences, 2017, 99, , 246 - 257
337	Gilbert, E., Roussel, L., Serre, C., Sandouk, R., Salmon, D., Kirilov, P., Haftek, M., Falson, F., Pirot, F., Percutaneous absorption of benzophenone-3 loaded lipid nanoparticles and polymeric nanocapsules: A comparative study, International Journal of Pharmaceutics, 2016, 504, 43497, 48 - 58
338	Xia, Y., Ghasemlou, M., Rubino, M., Auras, R., Baghdachi, J., Novel Active Surface Prepared by Embedded Functionalized Clays in an Acrylate Coating, ACS Applied Materials and Interfaces, 2015, 7, 44, 24944 - 24949
339	Üner, M., Characterization and imaging of solid lipid nanoparticles and nanostructured lipid carriers, Handbook of Nanoparticles, 2015, , , 117 - 141
340	Manaia, E.B., Kaminski, R.C., de Oliveira, A.G., Corrêa, M.A., Chiavacci, L.A., Multifunction hexagonal liquid-crystal containing modified surface TiO ₂ nanoparticles and terpinen-4-ol for controlled release, International Journal of Nanomedicine, 2015, 10, , 811 - 819
341	Mănescu, I.G., Badea, G., Iscrulescu, L., Iovu, M., Balaci, T., Incorporation of new benzimidazole compounds into lipid nanostructures in order to obtain photoprotective formulations, Farmacia, 2015, 63, 4, 518 - 525
342	Liu, X.-H., Liang, X.-Z., Fang, X., Zhang, W.-P., Preparation and evaluation of novel octylmethoxycinnamate-loaded solid lipid nanoparticles, International Journal of Cosmetic Science, 2015, 37, 4, 446 - 453
343	Popa, A., Niculae, G., Meghea, A., Co-encapsulation of a mixture of antioxidant and sunscreen agents into solid lipid nanoparticles, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 2014, 76, 2, 45 - 56

344	Bors, A., Miculae, G., Stan, R., Meghea, A., Lipid nanocarriers with antifungal activity prepared by high pressure homogenization, <i>Revista de Chimie</i> , 2014, 65, 6, 671 - 675
345	Niculae, G., Lacatusu, I., Bors, A., Stan, R., Photostability enhancement by encapsulation of α -tocopherol into lipid-based nanoparticles loaded with a UV filter, <i>Comptes Rendus Chimie</i> , 2014, 17, 10, 1028 - 1033
346	Do Nascimento, L.F., Dos Santos, E.P., De Aguiar, A.P., Organic sunscreens. Research, innovation and the organic synthesis importance [Fotoprotetores Orgânicos: Pesquisa, Inovação e a Importância da Síntese Orgânica], <i>Revista Virtual de Quimica</i> , 2014, 6, 2, 190 - 223
347	How, C.W., Rasedee, A., Manickam, S., Rosli, R., Tamoxifen-loaded nanostructured lipid carrier as a drug delivery system: Characterization, stability assessment and cytotoxicity, <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, , 393 - 399
348	Rahman, H.S., Rasedee, A., How, C.W., Abdul, A.B., Zeenathul, N.A., Othman, H.H., Saeed, M.I., Yeap, S.K., Zerumbone-loaded nanostructured lipid carriers: Preparation, characterization, and antileukemic effect, <i>International Journal of Nanomedicine</i> , 2013, 8, , 2769 - 2781
349	Latha, M.S., Martis, J., Shobha, V., Shinde, R.S., Bangera, S., Krishnankutty, B., Bellary, S., Varughese, S., Rao, P., Kumar, B.R.N., Sunscreening agents: A review, <i>Journal of Clinical and Aesthetic Dermatology</i> , 2013, 6, 1, 16 - 26
350	Joshy, K.S., Sharma, C.P., Blood compatible nanostructured lipid carriers for the enhanced delivery of azidothymidine to brain, <i>Advanced Science Letters</i> , 2012, 6, , 47 - 55
Lacatusu, I., Badea N, Murariu, A., Nichita, C., Bojin, D., Meghea, A., „Antioxidant capacity of lipid nanoparticles loaded with Rosemary extract”, <i>Mol. Cryst. Liq. Cryst.</i> , 523, 260-272, 2010, ISSN: 1542-1406, WOS:000278163400023	
351	Barbinta-Patrascu, M.E., Ungureanu, C., Suica-Bunghez, I.-R., Iordache, A.-M., Milenković Petrović, S., Ispas, A., Zgura, I., Performant silver-based biohybrids generated from orange and grapefruit wastes, <i>Journal of Optoelectronics and Advanced Materials</i> , 2018, 20, 43747, 551 - 557
352	Soleimanian, Y., Goli, S.A.H., Varshosaz, J., Sahafi, S.M., Formulation and characterization of novel nanostructured lipid carriers made from beeswax, propolis wax and pomegranate seed oil, <i>Food Chemistry</i> , 2018, 244, , 83 - 92
353	Montenegro, L., Pasquinucci, L., Zappalà, A., Chiechio, S., Turnaturi, R., Parenti, C., Rosemary essential oil-loaded lipid nanoparticles: In vivo topical activity from gel vehicles, <i>Pharmaceutics</i> , 2017, 9, 4, -
354	Montenegro, L., Lipid-based nanoparticles as carriers for dermal delivery of antioxidants, <i>Current Drug Metabolism</i> , 2017, 18, 5, 469 - 480
355	Ganesan, P., Choi, D.-K., Current application of phytochemical-based nanocosmeceuticals for beauty and skin therapy, <i>International Journal of Nanomedicine</i> , 2016, 11, , 1987 - 2007
356	Ionescu, N., Popescu, M., Bratu, A., Istrati, D., Ott, C., Meghea, A., Valuable Romanian vegetable oils and extracts with high pharmaco-cosmetic potential, <i>Revista de Chimie</i> , 2015, 66, 9, 1267 - 1272
357	Manea, A.-M., Andronescu, C., Meghea, A., Green tea extract loaded into solid lipid nanoparticles, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> , 2014, 76, 2, 125 - 136
358	Manea, A.-M., Ungureanu, C., Meghea, A., Effect of vegetable oils on obtaining lipid nanocarriers for sea buckthorn extract encapsulation, <i>Comptes Rendus Chimie</i> , 2014, 17, 9, 934 - 943
358	Manea, A.-M., Vasile, B.S., Meghea, A., Antioxidant and antimicrobial activities of green tea extract loaded into nanostructured lipid carriers, <i>Comptes Rendus Chimie</i> , 2014, 17, 4, 331 - 341

Lacatusu, I., Badea N , Murariu, A., Bojin, D., Meghea, A., „Effect of UV sunscreens loaded in solid lipid nanoparticles: A combined SPF assay and photostability”, Mol. Cryst. Liq. Cryst., ISSN: 1542-1406, 523, 247-258, 2010, ISSN: 1542-1406, WOS:000278163400022	
359	Cynthia Jemima Swarnavalli, G., Dinakaran, S., Divya, S., Preparation and characterization of nanosized Ag/SLN composite and its viability for improved occlusion, Applied Nanoscience (Switzerland), 2016, 6, 7, 1065 - 1072
360	Yadav, H.K.S., Kasina, S., Raizaday, A., Sunscreens, Nanobiomaterials in Galenic Formulations and Cosmetics: Applications of Nanobiomaterials, 2016, , , 201 - 230
361	Fernández, E., Rodríguez, G., Cócera, M., Barbosa-Barros, L., Alonso, C., López-Iglesias, C., Jawhari, T., De La Maza, A., López, O., Advanced lipid systems containing β -carotene: Stability under UV-vis radiation and application on porcine skin in vitro, Physical Chemistry Chemical Physics, 2015, 17, 28, 18710 - 18721
362	Patrascu, M.E.B., Ungureanu, C., Rau, I., Biohybrids based on carbon nanotubes and liposomes - Biophysical studies, Molecular Crystals and Liquid Crystals, 2014, 604, 1, 1 - 10
363	Fan, H., Zhou, H., Ma, C., Huang, Y., Li, Y., Xia, Q., A novel method for the improved skin whitening effect based on nanostructured lipid carrier, Molecular Crystals and Liquid Crystals, 2014, 593, 1, 232 - 242
364	Bors, A., Niculae, G., Stan, R., Meghea, A., Lipid nanocarriers with antifungal activity prepared by high pressure homogenization, Revista de Chimie, 2014, 65, 6, 671 - 675
365	Lacerda, S.P., Cerize, N.N.P., Ré, M.I., Preparation and characterization of carnauba wax nanostructured lipid carriers containing benzophenone-3, International Journal of Cosmetic Science, 2011, 33, 4, 312 - 321
Lacatusu I., Badea N , Nita R., Giurginca M., Bojin D., Iosub I., Meghea A., “Synthesis of high fluorescent silica hybrid materials by immobilization of orange peel extract in silica-silsesquioxane matrix”, Journal of Organic-Physics Chemistry, ISSN: 1099-1395 22, 1015-1021, 2009, WOS:000271586400001	
366	Bors, A., Miculae, G., Stan, R., Meghea, A., Lipid nanocarriers with antifungal activity prepared by high pressure homogenization, Revista de Chimie, 2014, 65, 6, 671 - 675
367	Zhang, D., Zhou, C., Sun, Z., Wu, L.-Z., Tung, C.-H., Zhang, T., Magnetically recyclable nanocatalysts (MRNCs): A versatile integration of high catalytic activity and facile recovery, Nanoscale, 2012, 4, 20, 6244 - 6255
368	Guarino, V., Gloria, A., Raucci, M.G., De Santis, R., Ambrosio, L., Bio-inspired composite and cell instructive platforms for bone regeneration, International Materials Reviews, 2012, 57, 5, 256 - 275
369	Goto, Y., Yoshida, K., Sawada, H., Preparation and properties of novel cross-linked fluoroalkyl end-capped cooligomeric nanoparticles possessing double decker-type aromatic silsesquioxane segments as core units, Colloid and Polymer Science, 2011, 289, 13, 1493 - 1502
370	Mora, M., López, M.I., Jiménez-Sanchidrián, C., Ruiz, J.R., Study of organo-hybrid layered double hydroxides by medium and near infrared spectroscopy, Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 3, 989 - 995
371	Mora, M., López, M.I., Jiménez-Sanchidrián, C., Ruiz, J.R., Near- and mid-infrared spectroscopy study of synthetic hydrocalumites, Solid State Sciences, 2011, 13, 1, 101 - 105
Lacatusu I., Badea N , Nita R., Murariu A., Miculescu F., Iosub I., Meghea A., “Encapsulation of fluorescence vegetable extracts within a templated sol – gel matrix”, Optical Materials, ISSN: 0925-3467, 32, 711-718, 2010, WOS:000276702900013	
372	Li, J., Wang, J., Yin, X., Quan, T., Periodic solution of sandwich plate with aerodynamic and in-plane force, Materials Research Innovations, 2015, 19, , S5968 - S5971
373	Gao, L., Li, Y., Sun, Z., Yao, J., Chen, S., Chen, F., Selective hydrophilic modification of hydrophobic POSS nanoparticles, Materials Research Innovations, 2015, 19, , S634 - S637
374	Ungureanu, C., Ferdes, M., Evaluation of antioxidant and antimicrobial activities of torularhodin, Advanced Science Letters, 2012, 18, 1, 50 - 53
375	Fabritz, S., Heyl, D., Bagutski, V., Empting, M., Rikowski, E., Frauendorf, H., Balog, I., Fessner, W.-D., Schneider, J.J., Avrutina, O., Kolmar, H., Towards click bioconjugations on cube-octameric silsesquioxane scaffolds, Organic and Biomolecular Chemistry, 2010, 8, 9, 2212 - 2218

	Badea E., Miu L., Budrugeac P., Giurginca M., Mašić A., Badea N. , Gatta G. D., "Study of deterioration of historical parchments by various thermal analysis techniques, complemented by SEM, FTIR, UV-VIS-NIR and unilateral NMR, <i>Journal of Thermal Analysis and Calorimetry</i> , 91 (1), 17-27, 2008, ISSN 1388-6150, WOS:000252889200003
376	Budrugeac P.; Cucos Andrei; Miu Lucretia, The use of thermal analysis methods for authentication and conservation state determination of historical and/or cultural objects manufactured from leather, <i>JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY</i> Volume: 104 Issue: 2 Pages: 439-450 DOI: 10.1007/s10973-010-1183-0 Published: MAY 2011
377	Mercuri F.; Zammit U.; Orazi N. Active infrared thermography applied to the investigation of art and historic artefacts, <i>JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY</i> , 104(2), 475-485 DOI: 10.1007/s10973-011-1450-8 Published: MAY 2011
378	Badea Elena; Della Gatta Giuseppe; Budrugeac Petru.; Characterisation and evaluation of the environmental impact on historical parchments by differential scanning calorimetry, <i>JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY</i> Volume: 104 Issue: 2 Pages: 495-506 DOI: 10.1007/s10973-011-1495-8 Published: MAY 2011
379	Al-Saidi Ghalib; Rahman Mohammad Shafiur; Al-Alawi Ahmed, Thermal characteristics of gelatin extracted from shaari fish skin Effects of extraction conditions, <i>JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY</i> Volume: 104 Issue: 2 Pages: 593-603 DOI: 10.1007/s10973-010-1240-8 Published: MAY 2011
380	Cucos A.; Budrugeac P.; Miu L.; et al., Dynamic mechanical analysis (DMA) of new and historical parchments and leathers: Correlations with DSC and XRD, <i>THERMOCHIMICA ACTA</i> Volume: 516 Issue: 1-2 Pages: 19-28 DOI: 10.1016/j.tca.2011.01.006 Published: MAR 20 2011
381	Budrugeac P.; Emandi Ana, The use of thermal analysis methods for conservation state determination of historical and/or cultural objects manufactured from lime tree wood, <i>JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY</i> Volume: 101 Issue: 3 Pages: 881-886 DOI: 10.1007/s10973-009-0671-6 Published: SEP 2010
382	Budrugeac, P., Badea, E., Gatta, G.D., Miu, L., Comănescu, A. A DSC study of deterioration caused by environmental chemical pollutants to parchment, a collagen-based material, <i>Thermochimica Acta</i> 500 (1-2), pp. 51-62, 2010
383	Font Joaquim; Espejo Jenifer; Cuadros Sara;, Comparison of IUP 16 and Microscopic Hot Table Methods for Shrinkage Temperature Determination, <i>JOURNAL OF THE SOCIETY OF LEATHER TECHNOLOGISTS AND CHEMISTS</i> Volume: 94 Issue: 2 Pages: 59-64 Published: MAR-APR 2010
384	Giurginca, M., Miu, L., Simileanu, M., Giurgincă, A., Rădvan, R. Effect of laser cleaning on the fluorescence characteristics of parchments <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> 72 (4), pp. 125-130, 2010
385	Bower, M.A., Campana, M.G., Checkley-Scott, C., Knight, B., Howe, C.J. The potential for extraction and exploitation of DNA from parchment: A review of the opportunities and hurdles, <i>Journal of the Institute of Conservation</i> 33 (1), pp. 1-11, 2010
386	Plavan, V., Giurginca, M., Budrugeac, P., Vilsan, M., Miu, L., Evaluation of the physico - Chemical characteristics of leather samples of some historical objects from Kiev <i>Revista de Chimie</i> 61 (7), pp. 627-631, 2010
387	Budrugeac, P., Badea, E., Gatta, G.D., Miu, L., Comănescu, A. A DSC study of deterioration caused by environmental chemical pollutants to parchment, a collagen-based material, <i>Thermochimica Acta</i> 500 (1-2), pp. 51-62, 2010
385	Plavan V.; Valeika V.; Kovtunenکو O. Thps pretreatment before tanning (chrome or non-chrome), <i>journal of the society of leather technologists and chemists</i> Volume: 93 Issue: 5 Pages: 186-192 Published: SEP-OCT 2009
386	Budrugeac P, Application of model-free and multivariate non-linear regression methods for evaluation of the thermo-oxidative endurance of a recent manufactured parchment, <i>JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY</i> Volume: 97 Issue: 2 Pages: 443-451 DOI: 10.1007/s10973-009-0081-9 Published: AUG 2009

387	De Batista Thelma M.; Martins Virginia C. A.; de Guzzi Plepis Ana M., THERMAL BEHAVIOR OF IN VITRO MINERALIZED ANIONIC COLLAGEN MATRICES, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 95 Issue: 3 Pages: 945-949 DOI: 10.1007/s10973-007-8897-7 Published: MAR 2009
388	Giurginca, M., Miu, L. Spectral investigations concerning the degradation degree of romanian historical leather, <i>Key Engineering Materials</i> 415 , pp. 45-48, 2009
389	Ricciardi, P., Delaney, J.K., Glinsman, L., Thoury, M., Facini, M., De La Rie, E.R. Use of visible and infrared reflectance and luminescence imaging spectroscopy to study illuminated manuscripts: Pigment identification and visualization of underdrawings <i>Proceedings of SPIE - The International Society for Optical Engineering</i> 7391 , art. no. 739106, 2009
390	Budrugaec P.; Miu Lucretia, Effect of accelerated thermal ageing on the thermal behaviour of the recently made parchments, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 94 Issue: 2 Pages: 335-342 DOI: 10.1007/s10973-008-9103-2 Published: NOV 2008
391	Capitani, D., Di Tullio, V., Proietti, N. Nuclear magnetic resonance to characterize and monitor cultural heritage <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> 64 , pp. 29-69 2012
392	Albu, M.G., Trandafir, V., Suflet, D.M., Chitanu, G.C., Budrugaec, P., Titorencu, I. Biocomposites based on collagen and phosphorylated dextran for bone regeneration <i>Journal of Materials Research</i> 27 (7) , pp. 1086-1096, 2012
393	Badea, E., Della Gatta, G., Usacheva, T. Effects of temperature and relative humidity on fibrillar collagen in parchment: A micro differential scanning calorimetry (micro DSC) study , <i>Polymer Degradation and Stability</i> 97 (3) , pp. 346-353 2012
394	Masic, A., Chierotti, M.R., Gobetto, R., Martra, G., Rabin, I., Coluccia, S. , Solid-state and unilateral NMR study of deterioration of a Dead Sea Scroll fragment , <i>Analytical and Bioanalytical Chemistry</i> 402 (4) , pp. 1551-1557, 2012
395	Pessanha, S., Manso, M., Carvalho, M.L., Application of spectroscopic techniques to the study of illuminated manuscripts: A survey <i>Spectrochimica Acta - Part B Atomic Spectroscopy</i> 71-72 , pp. 54-61, 2012
396	Carsote, C., Miu, L., Petroviciu, I., Creanga, D.M., Giurginca, M., Vetter, W., Evaluarea gradului de degradare a unor piei etnografice prin spectroscopie moleculară și MHT [Scientific investigation of leather in ethnographical objects by molecular spectroscopy and MHT] , <i>Leather and Footwear Journal</i> 12 (3) , pp. 183-192 2012
397	Rabin, I., Hahn, O. , Dead sea scrolls exhibitions around the world: Reasons for concern , <i>Restaurator</i> 33 (2) , pp. 101-121, 2012
398	Plavan, V., Miu, L., Gordienko, I., Ibragimova, A., Gavriyuk, N., Determination of the amino acid composition, structure and properties of the archaeological leather before and after restoration , <i>Revista de Chimie</i> 64 (6) , pp. 603-605, 2013
399	He, W., He, X., Xu, Z., Guo, P., The Gram-Schmidt orthogonal data fitting method for the designing of the gradient magnetic field of the unilateral NMR, <i>Chongqing Daxue Xuebao/Journal of Chongqing University</i> 36 (1) , pp. 86-91 2013
400	Cucos, A., Budrugaec, P., Mitrea, S., Hajdu, C., The influence of sodium chloride on the melting temperature of collagen crystalline region in parchments , <i>Journal of Thermal Analysis and Calorimetry</i> 111 (1) , pp. 467-473, 2013
401	Giurginca, A., Šustr, V., Tajovský, K., Giurginca, M., Matei, I., Spectroscopic parameters of the cuticle and ethanol extracts of the fluorescent cave isopod <i>Mesoniscus graniger</i> (Isopoda, Oniscidea), <i>ZooKeys</i> , 2015 (515), pp. 111-125
402	Vornicu, N., Deselnicu, V., Bibire, C., Ivanov, D., Doroftei, F., Analytical techniques used for the characterization and authentication of six ancient religious manuscripts (XVIII-XIX centuries), <i>Microscopy Research and Technique</i> , 78 (1), pp. 70-84, 2015
403	C. Endrea ,E. Badea , I. Stănculescu , I. Miu , H. Iovu, Dose-dependent effects of gamma irradiation on collagen in vegetable tanned leather, by mobile nmr spectroscopy, <i>Revista de Pielarie Incaltaminte</i> 15 (2015) pp. 3-14, 2015

404	Manfredi, M., Bearman, G., France, F., Shor, P., Marengo, E., Quantitative multispectral imaging for the detection of parchment ageing caused by light: A comparison with ATR-FTIR, GC-MS and TGA analyses, <i>International Journal of Conservation Science</i> , 6 (1), pp. 3-14, 2015
405	Vasiliev, A.L.ab , Kovalchuk, M.V.ab, Yatsishina, E.B, Electron microscopy methods in studies of cultural heritage sites (Review), <i>Crystallography Reports</i> , Volume 61, Issue 6, 1, 2016, 873-885
406	Koochakzaei, A. Ahmadi, H., Achachluei, M.M., An experimental comparative study on silicone oil and polyethylene glycol as dry leather treatments , <i>Journal of the American Leather, Chemists Association</i> , Volume 111, Issue 10, 2016, 377-382
407	Tomšová, K., Ďurovič, M., Drábková, K. The effect of disinfection methods on the stability of photographic gelatin, <i>Polymer Degradation and Stability</i> , 129, 1 2016, Pages 1-6
408	Carșote, C., Badea, E., Miu, L., Gatta, G.D., Study of the effect of tannins and animal species on the thermal stability of vegetable leather by differential scanning calorimetry, <i>Journal of Thermal Analysis and Calorimetry</i> , 124, 3, 2016, 1255-1266
409	Tournié, A., Carré, P., Andraud, C., Boust, C., Lavédrine, B., Identification of chromogenic colour photographic print brand by fiber optical reflectance spectroscopy and statistical analysis, <i>Journal of Cultural Heritage</i> , 26, pp. 28-35, 2017
410	Zhu, L., Ilott, A.J., Del Federico, Klokkernes, T., Jerschow, A., ¹ H NMR study and multivariate data analysis of reindeer skin tanning methods, <i>Magnetic Resonance in Chemistry</i> , 55(4), pp. 312-317, 2017
411	Yang, P., He, X., Zhang, W., Wang, F., Tang, K., Study on thermal degradation of cattlehide collagen fibers by simultaneous TG-MS-FTIR, <i>Journal of Thermal Analysis and Calorimetry</i> , 127(3), pp. 2005-2012, 2017
412	Sendrea, C., Badea, E., Adams, A., Unilateral NMR and micro DSC study of artificially aged parchments, <i>Revista de Chimie</i> , 68(8), pp. 1780-1785, 2017
413	Zhang, J., Han, Z., Teng, B., Chen, W., Biodeterioration process of chromium tanned leather with <i>Penicillium</i> sp., <i>International Biodeterioration and Biodegradation</i> , 116, pp. 104-111, 2017
414	Koochakzaei, Alireza; Ahmadi, Hossein; Mallakpour, Shadpour, An Experimental Comparative Study of the Effect of Skin Type on the Stability of Vegetable Leather Under Acidic Condition, <i>JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION</i> , 113, 11, 345-351, 2018, WOS:000449236700001
Elisa, M., Vasiliu, I. C., Grigorescu, C.E.A., Grigoras, B., Niciu, H., Niciu, D. Meghea, A., Iftimie (Badea) N. , Giurginca, M., Trodahl, H.J., Dalley, M., "Optical and structural investigation on rare-earth-doped aluminophosphate glasses", <i>Optical Materials</i> , 28, 621-625, 2006, ISSN: 0925-3467, WOS:000236916500011	
415	Dogov L.; Reedo V.; Kiisk V.; Structure and fluorescent properties of TiO(2):Sm(3+)-Ag composite, <i>OPTICAL MATERIALS</i> Volume: 32 Issue: 11 Pages: 1540-1544 DOI: 10.1016/j.optmat.2010.06.017 Published: SEP 2010
416	Elisa M.; Sava B. A.; Diaconu A.; Thermal properties of ecological phosphate and silicate glasses, <i>GLASS PHYSICS AND CHEMISTRY</i> Volume: 35 Issue: 6 Pages: 596-601 DOI: 10.1134/S108765960906008X Published: DEC 2009
417	Elisa M.; Sava B.; Diaconu A.; Fluorescence of copper, manganese and antimony ions in phosphate glass host, <i>JOURNAL OF NON-CRYSTALLINE SOLIDS</i> Volume: 355 Issue: 37-42 Pages: 1877-1879 DOI: 10.1016/j.jnoncrysol.2009.03.010 Published: OCT 1 2009
418	Moreau Florian; Duran Alicia; Munoz Francisco, Structure and properties of high Li(2)O-containing aluminophosphate glasses, <i>JOURNAL OF THE EUROPEAN CERAMIC SOCIETY</i> Volume: 29 Issue: 10 Pages: 1895-1902 DOI: 10.1016/j.jeurceramsoc.2008.12.016 Published: JUL 2009
419	Hussain N. Sooraj; Cardoso P. J.; Hungerford G, Physical and Optical Characterization of Er(3+) Doped Lead-Zinc-Borate Glass, <i>JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY</i> , 9, 6, 3555-3561 DOI: 10.1166/jnn.2009.NS29 2009

420	Epurescu G.; Vlad A.; Bodea M. A.; et al., Pulsed-laser deposition of smooth thin films of Er, Pr and Nd doped glasses, : APPLIED SURFACE SCIENCE Volume: 255 Issue: 10 Pages: 5295-5298 DOI: 10.1016/j.apsusc.2008.10.038 Published: MAR 1 2009
421	Elisa Mihail; Vasiliu Cristina; Grigorescu Cristiana; Optical transmission and Raman spectroscopy of aluminophosphate glasses containing chromium and manganese ions, GLASS TECHNOLOGY-EUROPEAN JOURNAL OF GLASS SCIENCE AND TECHNOLOGY PART A Volume: 48 Issue: 5 Pages: 247-251 Published: OCT 2007
422	Vasiliu C.; Epurescu G.; Grigorescu C., Thin films of advanced oxidic materials obtained by pulsed laser deposition, APPLIED SURFACE SCIENCE Volume: 253 Issue: 19 Pages: 8278-8281 DOI: 10.1016/j.apsusc.2007.02.115 Published: JUL 31 2007
423	Dolgov, L., Reedo, V., Kiisk, V., Pikker, S., Sildos, I., Kikas, J. Structure and fluorescent properties of TiO ₂ :Sm ³⁺ -Ag composite <i>Optical Materials</i> 32 (11) , pp. 1540-1544, 2011
424	Elisa, M., Sava, B.A., Iordanescu, R., Feraru, I., Vasiliu, C., Calin, M., Diaconu, A., Dumitru, A. Obtaining and characterization of calcium/magnesium/iron lithium phosphate glasses, <i>Optoelectronics and Advanced Materials, Rapid Communications</i> 4 (9) , pp. 1301-1303 2010
425	Elisa M.; Iordanescu R.; Sava B. A.; et al., Optical and structural investigations on iron-containing phosphate glasses, <i>Journal of Materials Science</i> , 46 Issue: 6 Pages: 1563-1570, 2011.
426	Dolgov, L., Kiisk, V., Reedo, V., Pikker, S., Sildos, I., Kikas, J. Sensitizing of Sm ³⁺ fluorescence by silver dopant in the TiO ₂ films <i>Central European Journal of Physics</i> 9 (2) , pp. 542-546, 2011
427	Reddy, Ch.V.K., Rao, R.B., Mouli, K.C., Koti Reddy, D.V.R., Reddy, M.V.R. Studies on lithium aluminophosphate glasses doped with selenium ions for hard electrolytes, <i>Journal of Materials Science</i> 47 (17) , pp. 6254-6262, 2012
428	Zhang, L., Peng, M., Dong, G., Qiu, J. Spectroscopic properties of Sm ³⁺ -doped phosphate glasses , <i>Journal of Materials Research</i> 27 (16) , pp. 2111-2115 2012
429	Zhang, L., Peng, M., Dong, G., Qiu, J. , An investigation of the optical properties of Tb ³⁺ -doped phosphate glasses for green fiber laser <i>Optical Materials</i> 34 (7) , pp. 1202-1207, 2012
430	Dantas, N.O., Serqueira, E.O., Silva, A.C.A., Andrade, A.A., Lourenço, S.A. High Quantum Efficiency of Nd ³⁺ Ions in a Phosphate Glass System using the Judd-Ofelt Theory , <i>Brazilian Journal of Physics</i> 43 (4) , pp. 230-238 2013
431	Elisa, M., Sava, B.A., Vasiliu, I.C., Monteiro, R.C.C., Veiga, J.P., Ghervase, L., Feraru, I., Iordanescu, R. , Optical and structural characterization of samarium and europium-doped phosphate glasses , <i>Journal of Non-Crystalline Solids</i> 369 , pp. 55-60 2013
432	Mardhiah, A., Azman, K., Azhan, H., Razali, W.A.W. Optical characterization of erbium doped sodium borate glass , <i>Advanced Materials Research</i> 622 , pp. 191-194, 2013
433	Yadav, A.K., Singh, P., A review of the structures of oxide glasses by Raman spectroscopy, <i>RSC Advances</i> , 2015,5 (83), pp. 67583-67609
434	Tian Y.M., Shen, L.F., Pun, E.Y.B., Lin, H., High-aluminum phosphate glasses for single-mode waveguide-typed red light source, <i>Journal of Non-Crystalline Solids</i> , 426, pp. 25-31, 2015
435	Wang, F., Chen, B., Pun, E.Y.B., Lin, H., Alkaline aluminum phosphate glasses for thermal ion-exchanged optical waveguide, <i>Optical Materials</i> , 42, pp. 484-490, 2015
436	Ramteke, D.D., Swart, H.C., Gedam, R.S., Electrochemical response of Nd ³⁺ ions containing lithium borate glasses, <i>Journal of Rare Earths</i> 35(5), pp. 480-484, 2017
Aldea E., Badea N, Demetrescu I., "Evaluating titanium alloys' bioactivity in terms of hydroxyapatite (HA) forming capability", <i>Rev. Chimie</i> , 58(9), pp. 918 – 922, 2007, ISSN 0034-7752, WOS:000250636800014	
437	Greco, M., Prodana, M., Cîmpean, A., Ioniță, D., Enhancing the performance of titanium surface via elaboration of a nanostructure and a bioactive coating, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> 74 (2) , pp. 113-128, 2012
438	Ignat, M., Alexandroaei, M., Lungu, N.C., The removal of Zn ²⁺ ions from groundwater using hydroxyapatite nanoparticles , <i>Revista de Chimie</i> 62 (5) , pp. 518-521, 2011

439	Vasilescu, E., Drob, P., Cinca, I., Popa, M., Vasilescu, C. Corrosion resistance of a new titanium base implant alloy in simulated human biofluid, <i>Revista de Chimie</i> 61 (2) , pp. 168-171 2010
440	Popa, M.V., Vasilescu, E., Drob, P., Vasilescu, C., Electrochemical stability of a new Ti base bioalloy in simulated human fluids, <i>IFMBE Proceedings</i> 25 (10) , pp. 24-27, 2009
441	Vasilescu, E., Drob, P., Ivanescu, S., Dan, I., Vasilescu, C., Electrochemical behaviour of a new dental alloy for restorative works in simulating extreme functional conditions, <i>Revista de Chimie</i> 60 (8) , pp. 783-786, 2009
442	Popa, M.V., Vasilescu, E., Drob, P., Vasilescu, C., Prodana, M. Effect of the content on the electrochemical stability of titanium alloys with vanadium or zirconium, <i>Revista de Chimie</i> 59 (6) , pp. 618-622, 2008
443	Caras, Cibela; Fornă, Doriană Agop; Fornă, Norina Consuela, Clinical Uses of Clasp Mobilized Prosthetic in Agreement with Different Types of Edentulous, <i>REVISTA DE CHIMIE</i> , 67, 12, 2519, 2016
444	Ichim, Luiza; Sbarcea, Beatrice Gabriela; Patroi, Delia; et al. Hybrid Bionic Coating on Ti with TiO ₂ Nanotubes, Hydroxyapatite and Iron , <i>REVISTA DE CHIMIE</i> , 67, 11, 2198-2201, 2016
445	Romoni, D.C., Voicu, G., Prodana, M., Ionița, D., Nanosized electrodeposited phosphate masses on stainless steel, <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> 77 (2), pp. 99-106, 2015
Papadopoulos, K., Triantis, T., Tsagaraki, K., Dimotikali, D., Iftimie (Badea) N. , Meghea, A., “Studies on the photostorage chemiluminescence of aromatic ketones with reactive oxygen species. Prospects for analytical application”, <i>J. Photochemistry and Photobiology A, Chemistry</i> , ISSN 1010-6030, 152 (1-3) 11-16, 2002, WOS:000178202600002	
446	Tsaplev YuB, Vasiliev RF, Photoinduced chemiluminescence in 9-anthrone solution, <i>High Energy Chemistry</i> 39 (4), 212-215/ 2005
447	Vasiliev RF, Tsaplev YuB, Light-created chemiluminescence, <i>Russian Chemical Reviews</i> 75 (11), 989-1002/ 2006
448	Tsaplev YuB, Vasiliev RF, The nature of chemiluminescence of photolyzed anthrone solutions, <i>Russian Journal of Physical Chemistry</i> 80 (5), 795-798/ 2006
449	Wang, H., Yu, X.-J., Sun, D.-Z., Determination of hydroxyl radical in organic wastewater treatment by electrochemical oxidation, <i>Journal of Harbin Institute of Technology (New Series)</i> 15 (1), 55-59/2008
450	Dastan, Arif; Kilic, Haydar; Saracoglu, Nurullah The Dibenzosuberone Scaffold as a Privileged Substructure: From Synthesis to Application, <i>SYNTHESIS-STUTTGART</i> , 50,3,391-439 2018
Meghea, A., Iftimie (Badea) N. , Giurginca, M., Papadopoulos, K., “Cuantificarea stresului oxidativ în biosisteme. I. Testarea prin chemiluminescență a activității antioxidante a unor molecule de interes biologic”, <i>Rev. de Chimie</i> , 54 (11), 885 – 887, 2003, ISSN: 0034-7752, WOS:000187240300005	
451	Covaliu, C.I., Oprea, O., Jinga, O.A., Jitaru, I., Antioxidant Activity of a Ni (II)-2-deoxy-D-glucose complex compound <i>Revista de Chimie</i> 62 (12) , pp. 1137-1140, 2011
452	Maniglia-Ferreira, C., Gurgel-Filho, E.D., Silva-Jr, J.B.A., de Paula, R.C.M., Feitosa, J.P.A., de Sousa-Filho, F.J. Chemical composition and thermal behavior of five brands of thermoplasticized gutta-percha , <i>European Journal of Dentistry</i> 7 (2) , pp. 201-206, 2013
453	Pirvu, L., Armatu, A., Bubueanu, C., Pintilie, G., Nita, S. , Obtaining and chemical characterization of some vegetal extracts with corrosion-scaling inhibition properties. Part I. <i>Fagus sylvatica</i> and <i>Alii cepae bulbis</i> extracts , <i>Romanian Biotechnological Letters</i> 15 (6) , pp. 5683-5689, 2010
454	Albu, M.G., Ghica, M.V., Giurginca, M., Trandafir, V., Popa, L., Cotrut, C. Spectral characteristics and antioxidant properties of tannic acid immobilized on collagen drug-delivery systems , <i>Revista de Chimie</i> 60 (7) , pp. 666-672, 2009
455	Cremenescu, E., Giurginca, M., Giurginca, A., Meghea, A., Anti-UV, antioxidant activity and cytotoxicity of selected natural extracts for cosmeceuticals , <i>Molecular Crystals and Liquid Crystals</i> 486 , pp. 193/[1235]-202/[1244], 2008

456	Parvu, L., Nichita, C., Giurginca, M., Meghea, A. Selective plant extracts with application in the therapy of chronic fatigue syndrome , <i>Revista de Chimie</i> 58 (9) , pp. 914-917, 2007
457	Borlescu, C., Giurginca, M., Demetrescu, I. , Evaluarea stabilității unor antioxidanți naturali și de sinteză utilizați în produse dermato-cosmetice cu efect antiîmbătrânire, <i>Revista de Chimie</i> 58 (1) , pp. 28-32, 2007
458	Borlescu, C., Giurginca, M., Demetrescu, I. , Caracterizarea unor proteine vegetale utilizate ca principii active în produse dermatocosmetice cu efect antiîmbătrânire <i>Revista de Chimie</i> 57 (11) , pp. 1086-1090, 2006
459	Cremenescu, E., Giurginca, M., Meghea, A. , Extracte originale din plante utilizate în produse dermato-cosmetice cu acțiune fotoprotectoare II. Determinarea stabilității la radiații ultraviolete , <i>Revista de Chimie</i> 57 (10) , pp. 1003-1006, 2006
460	Cremenescu, E., Giurginca, M., Meghea, A. , Extrade originale din plante utilizate în produse dermatocosmetice cu acțiune fotoprotectoare I. Evaluarea activității antioxidante, <i>Revista de Chimie</i> 57 (8) , pp. 808-812 , 2006
461	Pîrvu, L., Nichita, C., Giurginca, M., Meghea, A. Corelații structură-activitate antioxidantă a unor polifenoli de origine vegetală, <i>Revista de Chimie</i> 57 (7) , pp. 699-705, 2006
462	Dicu, A., Segal, R., Giurginca, M., Comportarea la peroxidare a unor amestecuri de acizi grași nesaturați, <i>Revista de Chimie</i> 57 (4) , pp. 410-412, 2006
463	Dicu, A., Segal, R., Caracteristici spectrale și chemiluminescente ale unor plante cu rol antidiabetic, <i>Revista de Chimie</i> 57 (1) , pp. 45-47, 2006
464	Evaluarea capacității antioxidante a unor extracte vegetale condiționate sub formă de geluri, Nichita, C. , <i>Revista de Chimie</i> 57 (1) , pp. 21-24, 2006
465	Nichita, C Estimarea activității antioxidante și evidențierea efectului sinergetic determinat de principiile active existente în extractele de Carduii mariani fructus, <i>Revista de Chimie</i> 56 (8) , pp. 821-824, 2005
466	Nichita, C., Giurginca, M., Meghea, A. Evaluarea capacității antioxidante a extractului de <i>Hypericum perforatum</i> , <i>Revista de Chimie</i> 56 (6) , pp. 621-623, 2005
467	Nichita, C., Băzdoaca, C., Giurginca, M., Meghea, A., Caracteristici chimico-structurale și capacitatea antioxidantă a unor extracte vegetale obținute prin procedee clasice și moderne, 2005, <i>Revista de Chimie</i> 56 (5) , pp. 495-498
468	Covaliu, C.I., Oprea, O., Jinga, O.A., Jitaru, I., Antioxidant Activity of a Ni (II)-2-deoxy-D-glucose complex compound <i>Revista de Chimie</i> 62 (12) , pp. 1137-1140, 2011

Total citari in baza Scopus 657 fără autocități

**ANEXA LA FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE
PREZENTARE LA CONCURS**

4. Proiecte naționale

Proiect	Suma, lei	Director/ Responsabil proiect
<p>Programul de Excelență-CEEX, Proiect CEEX, ET 130 <i>Nanostructuri fluorescente pe baza de combinatii complexe legate de ADN pentru dispozitive optoelectronice</i>, 2006 – 2007, incheiat între MedC-ANCS și Universitatea Politehnica din București http://www.mct-excelenta.ro/fileadmin/mct/Rezultate/modulul_2/ET/ET_REZ_FINALE_26_IULIE.htm</p>	140000	Director
<p>Programul de Excelență-CEEX, Proiect CEEX 05-D8-14/04.10.2006 - <i>Cercetarea multidisciplinara si monitorizarea unor monumente din Romania in curs de restaurare</i>, 2005 -2007 Coordonator: Institutul Național de Cercetare- Dezvoltarea pentru Optoelectronica – INOE (Dr. ing. Roxana Radvan) si Universitatea Politehnica din București- Centrul National de Consultanță pentru Protecția Mediului Inconjurător, UPB-CNC (Nicoleta Badea)</p>	82500	Responsabil
<p>Programul -Parteneriate in domeniile prioritare, Proiect PNI - 61014/14.09.07- <i>Bioproduse flavonoidice, modulatori in proteomica stresului oxidativ, cu actiune profilactica si terapeutica</i>, 2007 – 2010 Coordonator: Institutul Național de Cercetare- Chimico-Farmaceutică – ICCF (Dr. chim. Cornelia Nichita) si Universitatea Politehnica din București- Centrul National de Consultanță pentru Protecția Mediului Inconjurător, UPB-CNC (Nicoleta Badea)</p>	175720	Responsabil
<p>Programul -Parteneriate in domeniile prioritare Proiect PNI - 91-009/2007- Sistem complex de tehnici IMAGistice pentru investigarea/diagnosticarea/restaurarea structurilor multistrat din alcatuirea monumentelor ISTorice, Coordonator: Institutul Național de Cercetare- Dezvoltarea pentru Optoelectronica – INOE (Dr. ing. Roxana Radvan) si Universitatea Politehnica din București- Centrul National de Consultanță pentru Protecția Mediului Inconjurător, UPB-CNC (Nicoleta Badea)</p>	116925	Responsabil