

Nicoleta-Gabriela HĂDĂRUGĂ

List of papers

Journal papers (the list of the main papers which were the basis of the Habilitation Thesis: ISI foreign publishers – 9 papers, ISI Romanian publisher – 1 paper):

1. **Hădărugă, N.G.**; Hădărugă, D.I.; Isengard, H.-D., "Surface water" and "strong-bonded water" in cyclodextrins: a Karl Fischer titration approach, *Journal of Inclusion Phenomena and Macrocyclic Chemistry* **2012**, Online First, doi: 10.1007/s10847-012-0143-7; ISSN (Print): 0923-0750, ISSN (Online): 1573-1111 (**ISI 1.886**)
2. Hădărugă, D.I.; **Hădărugă, N.G.**; Bandur, G.; Isengard, H.-D., Water content of flavonoid/cyclodextrin nanoparticles: relationship with the structural descriptors of biologically active compounds, *Food Chemistry* **2012**, 132(4), 1741-1748, doi: 10.1016/j.foodchem.2011.06.004 (**ISI 3.655**)
3. **Hădărugă, N.G.**, *Ficaria verna* Huds. extracts and their β -cyclodextrin supramolecular systems, *Chemistry Central Journal* **2012**, 6:16, ISSN 1752-153X, doi: 10.1186/1752-153X-6-16 (**ISI 3.281**)
4. **Hădărugă, N.G.**; Hădărugă, D.I.; Isengard, H.-D., Water content of natural cyclodextrins and their essential oil complexes: a comparative study between Karl Fischer titration and thermal methods, *Food Chemistry* **2012**, 132(4), 1651-1659, doi: 10.1016/j.foodchem.2011.11.003 (**ISI 3.655**)
5. **Hădărugă, N.G.**; Gharibeh Branic, A.; Hădărugă, D.I.; Gruia, G.; Pleșa, C.; Costescu, C.; Ardelean, A.; Lupea, A.X., Comparative study on *Juniperus communis* and *Juniperus virginiana* essential oils: TLC and GC analyses, *Journal of Planar Chromatography - Modern TLC* **2011**, 24(2), 130-135, doi: 10.1556/JPC.24.2011.2.9, ISSN 0933-4173 (**ISI 0.767**)
6. **Hădărugă, N.G.**; Hădărugă, D.I.; Păunescu, V.; Tatu, C.; Ordodi, L.; Bandur, G.; Lupea, A.X., Bioactive Nanoparticles (6). Thermal Stability of Linoleic Acid / α - and β -Cyclodextrin Complexes, *Food Chemistry* **2006**, 99(3), 500-508; doi: 10.1016/j.foodchem.2005.08.012, ISSN 0308-8146 (**ISI 3.655**)
7. Hădărugă, D.I.; **Hădărugă, N.G.**; Butnaru, G.; Tatu, C.; Gruia, A., Bioactive microparticles (10): Thermal and oxidative stability of nicotine and its complex with β -cyclodextrin, *Journal of Inclusion Phenomena and Macrocyclic Chemistry* **2010**, 68(1), 155-164, doi: 10.1007/s10847-010-9761-0; ISSN 0923-0750 (**ISI 1.220**)
8. Hermenean, A.; Popescu, C.; Ardelean, A.; Stan, M.; **Hădărugă, N.G.**; Mihali, C.-V.; Costache, M.; Dinischiotu, A., Hepatoprotective Effects of *Berberis vulgaris* L. Extract/ β -Cyclodextrin on Carbon Tetrachloride-Induced Acute Toxicity in Mice, *International Journal of Molecular Sciences* **2012**, 13, 9014-9034, ISSN: 1422-0067, doi: 10.3390/ijms13079014 (**ISI 2.598**)
9. Riviș, A.; **Hădărugă, N.G.**; Gârban, Z.; Hădărugă, D.I., Titanocene / cyclodextrin supramolecular systems: a theoretical approach, *Chemistry Central Journal* **2012**, 6, 129, doi: 10.1186/1752-153X-6-129 (**ISI 3.281**)
10. Pînzaru, I.A.; Hădărugă, D.I.; **Hădărugă, N.G.**; Corpaș, L.; Peter, F., Hepatoprotective flavonoid bioconjugate / β -cyclodextrin nanoparticles: DSC – molecular modeling correlation, *Digest Journal of Nanomaterials and Biostructures* **2011**, 6(4), 1605-1617 (**ISI 1.200**)

Ph.D. Thesis

1. **Hădărugă, Nicoleta Gabriela**, *Protection and Controlled Release of Bioactive Compounds*, Ph.D. Thesis in "Chemical Engineering", "Politehnica" University of Timișoara, Ministry of Education and Research Order No 4802 / August 15, 2005, Scientific promoter: Prof. Dr. Eng. Alfa-Xenia Lupea.

Book Chapters (foreign publishers):

1. Clemons, P.A.; Olah, M.; Rad, R.; Ostopovici, L.; Bora, A.; **Hădărugă, N.G.**; Hădărugă, D.; Moldovan, R.; Fulias, A.; Mracec, M.; Oprea, T.I., Expanding the Genetic Code. Chemical Informatics; In: *Chemical Biology: From Small Molecules to Systems Biology and Drug Design*, Wiley-VCH, New York, 2007, pp. 723-788, ISBN-10: 3527311505, ISBN-13: 9783527311507
2. Olah, M.; Mracec, Maria.; Ostopovici, Liliana; Rad, Ramona; Bora, Alina; **Hădărugă, Nicoleta G.**; Olah, Ionela; Banda, Magdalena; Simon, Z.; Mracec, M.; Oprea, T.I., "WOMBAT: World of Molecular Bioactivity". In: Oprea, T.I. (ed.), *Cheminformatics in Drug Discovery*, Wiley-VCH, New York, 2004, pp. 223-239, ISBN 978-3-527-30753-1

Books – selection (Romanian publishers):

1. Hădărugă, D.I.; **Hădărugă, N.G.**, *Compuși odoranți și aromatizanți*, Ed. Politehnica, Timișoara, 2003, 254 p, ISBN 973-625-038-5

Journal articles – selection (ISI Romanian publishers):

1. Pleșa, C.M.; Hădărugă, D.I.; **Hădărugă, N.G.**; Gharibeh Branic, A.; Ardelean, A.; Lupea, A.X., *Juniperus communis* and *Juniperus virginiana* Hydrophobic Extracts: A Multivariate Analysis Approach, *Revista de Chimie* **2011**, 62(9), 941-946, ISSN 0034-7752 (**ISI 0.599**)
2. Gharibeh Branic, A.; Pleșa, C.M.; **Hădărugă, N.G.**; Ardelean, A.; Hădărugă, D.I.; Ordodi, V.L.; Gruia, A.T.; Lupea, A.X., A Comparative Study of *Juniperus communis* and *Juniperus virginiana* Extracts: The Influence of Method, Solvent, and Provenience, *Revista de Chimie* **2011**, 62(5), 508-513, ISSN 0034-7752 (**ISI 0.599**)
3. Costescu, C.; Corpaș, L.; **Hădărugă, N.G.**; Hădărugă, D.I.; Gârban, Z., Cyclodextrins and small unilamellar liposomes: a comparative theoretical approach, *Studia Universitatis UBB, Seria Chimia* **2011**, 56(3), 83-88, ISSN (print) 1224-7154, ISSN (online) 2065-9520 (**ISI 0.129**)
4. Hădărugă, D.I.; **Hădărugă, N.G.**; Lazău, C.; Rațiu, C.; Crăciun, C.; Grozescu, I., Liposomes containing undoped and Au⁺/Ag⁺ doped titanium dioxide nanoparticles, *Digest Journal of Nanomaterials and Biostructures* **2010**, 5(4), 919-925, ISSN 1842-3582 (**ISI 2.079**)
5. Hădărugă, D.I.; **Hădărugă, N.G.**; Bandur, G.; Riviș, A.; Costescu, C.; Ordodi, V.; Ardelean, A., *Berberis vulgaris* extract/ β -cyclodextrin nanoparticles: synthesis and characterization, *Revista de Chimie* **2010**, 61(7), 669-675, ISSN 0034-7752 (**ISI 0.693**)
6. Lazău, C.; Sfirloaga, P.; Ratiu, C.; Orha, C.; Ioitescu, A.; Miron, I.; Novaconi, S.; Hadaruga, D.I.; **Hădărugă, N.G.**; Bandur, G.N.; Rusu, G.; Grozescu, I., Synthesis of Bioactive Materials Based on Undoped/Doped TiO₂ and Their Nanocrystals with alpha- / beta-Cyclodextrins, *Journal of Optoelectronics and Advanced Materials* **2009**, 11(7), 981-987; (**ISI 0.433**)
7. Hădărugă, D.I.; **Hădărugă, N.G.**; Hermenean, A.; Riviș, A.; Pâslaru, V.; Codina, G., Bionanomaterials: Thermal Stability of the Oleic Acid / α - and β -cyclodextrin Complexes, *Revista de Chimie* **2008**, 59(9), 994-998, ISSN 0034-7752 (**ISI 0.577**)
8. Costescu, C.I.; **Hădărugă, N.G.**; Hădărugă, D.I.; Riviș, A.; Ardelean, A.; Lupea, A.X., Bionanomaterials: Synthesis, Physico-Chemical and Multivariate Analyses of the Dicotyledonatae and Pinatae Essential Oil / β -Cyclodextrin Nanoparticles, *Revista de Chimie* **2008**, 59(7), 739-744, ISSN 0034-7752 (**ISI 0.577**)
9. Ienașcu, I.; Lupea, A.X.; Hădărugă, D.I.; **Hădărugă, N.G.**; Popescu, I., The antimicrobial activity and quantitative structure – biological activity relationships evaluation of some novel 2-hydroxybenzamide derivatives, *Revista de Chimie* **2008**, 59(2), 247-250, ISSN 0034-7752 (**ISI 0.389**)
10. Riviș, A.; **Hădărugă, N.G.**; Hădărugă, D.I.; Trașcă, T.; Drugă, M.; Pînzaru, I.A., Bioactive nanoparticles. The complexation of odorant compounds with α - and β -cyclodextrin, *Revista de Chimie* **2008**, 59(2), 149-153, ISSN 0034-7752 (**ISI 0.389**)
11. Hădărugă, D.I.; **Hădărugă, N.G.**; Riviș, A.; Gruia, A.; Pînzaru, I.A., "Thermal and Oxidative Stability of the *Allium sativum* L. Bioactive Compounds/ α - and β -Cyclodextrin Nanoparticles", *Revista de Chimie* **2007**, 58(11), 1009-1015, ISSN 0034-7752 (**ISI 0.577**)
12. **Hădărugă, N.G.**; Hădărugă, D.I.; Riviș, A.; Păunescu, V.; Costescu, C.; Lupea, A.X., "Bioactive Nanoparticles. Essential Oil from *Lamiaceae* Family Plants / β -Cyclodextrin Supramolecular Systems", *Revista de Chimie* **2007**, 58(10), 909-914, ISSN 0034-7752 (**ISI 0.577**)

13. Hădărugă, D.I.; **Hădărugă, N.G.**; Resiga, D.; Pode, V.; Dumbravă, D.; Lupea, A.X., Obtaining and Characterization of Sage (*Salvia sclarea* L.) Essential Oil/ β -Cyclodextrin Supramolecular Systems, *Revista de Chimie* **2007**, 58(6), 566-573, ISSN 0034-7752 (ISI 0.261)
14. **Hădărugă, N.G.**; Hădărugă, D.I.; Lupea, A.X.; Păunescu, V.; Tatu, C., Bioactive Nanoparticles (7). Essential Oil from Apiaceae and Pinaceae Family Plants/ β -Cyclodextrin Supramolecular Systems, *Revista de Chimie* **2005**, 56(8), 876-882, ISSN 0034-7752 (ISI 0.261)

International Conferences – selection:

1. Hădărugă, D.I.; **Hădărugă, N.G.**; Corpaș, L.; Isengard, H.-D., Karl Fischer water titration of cyclodextrins: parameter optimization, The 7th International Conference on Water in Food (EuroFoodWater2012), Helsinki, Finland, June 3-5, 2012 (to be published in *Food Chemistry* **2012** (ISI 3.655)), *Book of Abstracts*, Oral communication OC19, pp. 31, <http://www.efw2012.eurofoodwater.eu/index.php>
2. Corpaș, L.; **Hădărugă, N.G.**; Riviș, A.; Hădărugă, D.I.; Isengard, H.-D., Water content of wheat flour and bread products by Karl Fischer titration: a PCA multivariate approach, The 7th International Conference on Water in Food (EuroFoodWater2012), Helsinki, Finland, June 3-5, 2012 (to be published in *Food Chemistry* **2012** (ISI 3.655)), *Book of Abstracts*, Poster presentation (The best poster – oral presentation) P20, pp. 60, <http://www.efw2012.eurofoodwater.eu/index.php>
3. **Hădărugă, N.G.**; Pînzaru, I.A.; Corpaș, L.; Hădărugă, N.G.; Isengard, H.-D., Karl Fischer water content of saturated and unsaturated fatty acid / α - and β -cyclodextrin supramolecular systems: correlation with structural parameters, The 7th International Conference on Water in Food (EuroFoodWater2012), Helsinki, Finland, June 3-5, 2012 (to be published in *Food Chemistry* **2012** (ISI 3.655)), *Book of Abstracts*, Poster presentation P21, pp. 61, <http://www.efw2012.eurofoodwater.eu/index.php>
4. Hădărugă, D.I.; **Hădărugă, N.G.**; Isengard, H.-D., “Surface water” and “strong-bonded water” in cyclodextrins: a Karl Fischer titration approach, *The 2nd European Conference on Cyclodextrins*, Asti, Italy, October 2-4, 2011, Poster presentation II-P4, *Book of Abstracts* **2011**, pp. II-P4, <http://www.cdtec.unito.it/eurocd2011/>
5. **Hădărugă, N.G.**; Hădărugă, D.I.; Gârban, Z., Metallocene / cyclodextrin supramolecular systems: a theoretical approach, *The 2nd European Conference on Cyclodextrins*, Asti, Italy, October 2-4, 2011, Poster presentation VII-P4, *Book of Abstracts* **2011**, pp. VII-P4 <http://www.cdtec.unito.it/eurocd2011/>
6. Hădărugă, D.I.; Pînzaru, I.A.; **Hădărugă, N.G.**; Peter, F., New flavonoid derivative (silybin, rutin-fatty acid bioconjugates) / cyclodextrin supramolecular systems with potential hepatoprotective activity, *The 2nd European Conference on Cyclodextrins*, Asti, Italy, October 2-4, 2011, Poster presentation III-P15, *Book of Abstracts* **2011**, pp. III-P15, <http://www.cdtec.unito.it/eurocd2011/>
7. Pleșa, C.M.; **Hădărugă, N.G.**; Ardelean, A.; Hădărugă, D.I.; Gharibeh Branic, A.; Lupea, A.X., *Juniperus communis* and *Juniperus virginiana* Tetrahydrofuran Extracts, *Proceedings of the 3rd International Conference „Research People and Actual Tasks on Multidisciplinary Sciences*, Bulgarian National Multidisciplinary Scientific Network of the Professional Society for Research Work, Vol. 3, June 8-10, **2011**, Lozenec, Bulgaria, 218-222, ISSN: 1313-7735
8. Corneanu, M.; Corneanu, G.C.; Ardelean, A.; Lazău, C.; Grozescu, I.; **Hădărugă, N.G.**; Hădărugă, D.I.; Barbu-Tudoran, L., The Radiobiological Effect of the TiO₂-Cyclodextrin Suspension, *Proceedings of the 5th International Conference on Quantum, Nano, and Micro Technologies (ICQNM 2011)*, August 21-27, **2011**, Nice/Saint Laurent du Var, France, pp. 77-82, ISBN: 978-1-61208-151-9
9. Hădărugă, D.I.; **Hădărugă, N.G.**; Bandur, G.; Isengard, H.-D., Water content of flavonoid/cyclodextrin nanoparticles, The 6th International Conference on Water in Food, Reims, France, 21-23 March **2010**, *Book of Abstracts*, pp. 17, http://www.efw2010.eurofoodwater.eu/Scientific_Programme.pdf, <http://www.efw2010.eurofoodwater.eu/> (home address)
10. **Hădărugă, N.G.**; Hădărugă, D.I.; Isengard, H.-D., Water content of natural cyclodextrins and their essential oil complexes: a comparative study between Karl Fischer titration and thermal methods, The 6th International Conference on Water in Food, Reims, France, 21-23 March **2010**, *Book of Abstracts*, pp. 67, http://www.efw2010.eurofoodwater.eu/Scientific_Programme.pdf, <http://www.efw2010.eurofoodwater.eu/> (home address)

11. Caizer, C.; **Hădărugă, N.G.**; Hădărugă, D.I.; Tănăsie, G.; Vlăzan, P., The Co ferrite nanoparticles/liposomes: magnetic bionanocomposites for applications in malignant tumors therapy, The 7th International Conference on Inorganic Materials, September 12-14, **2010**, Biarritz, France, P2.45, http://www.im-conference.elsevier.com/pdf/poster_programme.pdf
12. Pleșa, C.-M.; **Hădărugă, N.G.**; Hădărugă, D.I.; Ardelean, A.; Gharibeh-Branic, A.; Lupea, A., Antioxidant activity of *Juniperus communis* L. and *Juniperus virginiana* L. extracts and Gin type products, Proceedings of The XIVth International Eco-Conference "Safe Food", Novi Sad, Serbia, September 22-25, **2010**, pp. 439-446, ISBN: 978-86-83177-41-7, <http://www.ekopokret.org.rs/documents/PROGRAM%20EKO-KONFERENCIJE%202010.pdf>
13. Pînzaru, I.A.; Hădărugă, D.I.; **Hădărugă, N.G.**; Peter, F., Effect of water content on enzymatic esterification of flavonoides and flavonoids, The 3rd EuCheMS Chemistry Congress, Nürnberg, Germany, August 29-September 2, **2010**, http://va.gdch.de/programm/prog_detail.asp?strVANr=5576 (Vc.004 - Biocatalysis and Biomaterials Section), <http://www.euchems-congress2010.org/scientific.htm> (home address)
14. Oprea, T.I.; Olah, M.; Mracec, Maria; Rad, Ramona; Ostopovici, Ramona; Bora, Alina; **Hădărugă, Nicoleta G.**; Bologa, C.G., Mapping Bioactivity Space for Fragment-Based Lead Discovery, *Proceedings of the 229th American Chemical Society National Meeting*, San Diego, CA, March 13-17, **2005**
15. **Hădărugă, N.G.**; Hădărugă, D.I.; Păunescu, V.; Tatu, C.; Ordodi, V.L.; Bandur, G.; Lupea, A.X., "Multivariate Analysis in the Essential Oil / β -Cyclodextrin Complex Class", *Proceedings of the 8th International Conference ISIRR, Szeged, Hungary*, 19-21 April **2005**, pp. 581-591
16. Oprea, T.I.; Kappler, M.A.; Allu, T.K.; Mracec, Maria; Olah, M.; Rad, Ramona; Ostopovici, Liliana; Bora, Alina; **Hădărugă, Nicoleta G.**; Baroni, M.; Zamora, I.; Berellini, G.; Aristei, Yasmin; Cruciani, Gabrielle; Bologa, C.G.; Edwards, B.S.; Sklar, L.A.; Balakin, K.V.; Savchuk, N.; Brown, D.; Larson, R.S., "Mining Large Chemical Spaces in Lead and Drug Discovery", *Proceedings of the 15th European Symposium on Quantitative Structure-Activity Relationships & Molecular Modelling "QSAR & Molecular Modelling in Rational Design of Bioactive Molecules"*, Istanbul, Turkey, September 5-10, **2004**, 531-535, ISBN: 975-00782-0-9

Journal articles – selection (non-ISI publishers):

1. Botiniștean, C.; **Hădărugă, N.G.**; Hădărugă, D.I.; Jianu, I., Fatty Acids Composition by Gas Chromatography – Mass Spectrometry (GC-MS) and most important physicochemical parameters of Tomato Seed Oil, *Journal of Agroalimentary Processes and Technologies* **2012**, 18(1), 89-94, ISSN 2069-0053 (former ISSN 1453-1399), E-ISSN 2068-9551
2. Șuta, L.-M.; Vlaia, L.; Vlaia, V.; **Hădărugă, N.G.**; Hădărugă, D.I.; Mircioiu, C., Water content of oxiam/cyclodextrin nanoparticles, *Journal of Agroalimentary Processes and Technologies* **2011**, 17(4), 419-427, ISSN 2069-0053 (former ISSN 1453-1399), E-ISSN 2068-9551
3. Pînzaru, I.A.; Hădărugă, D.I.; **Hădărugă, N.G.**; Peter, F., Rutin-saturated fatty acid bioconjugate/cyclodextrin supramolecular systems: molecular modeling and docking studies, *Journal of Agroalimentary Processes and Technologies* **2011**, 17(2), 108-114, ISSN 2069-0053 (former ISSN 1453-1399), E-ISSN 2068-9551
4. **Hădărugă, N.G.**; Hădărugă, D.I.; Vlăzan, P.; Barbu-Tudoran, L., New liposomes containing cobalt ferrite nanoparticles: synthesis and characterization, *Journal of Agroalimentary Processes and Technologies* **2011**, 17(1), 1-6, ISSN 2069-0053 (former ISSN 1453-1399), E-ISSN 2068-9551
5. Pleșa, C.M.; **Hădărugă, N.G.**; Hădărugă, D.I.; Ordodi, V.L.; Gruia, A.T.; Gharibeh Branic, A.; Ardelean, A.; Lupea, A.X., Caryophyllene from *Juniperus communis* and *Juniperus virginiana* Romanian extracts, *Journal of Agroalimentary Processes and Technologies* **2011**, 17(1), 54-57, ISSN 2069-0053 (former ISSN 1453-1399), E-ISSN 2068-9551
6. Toța, C.E.; **Hădărugă, N.G.**; Poșta, G.; Berar, V.; Hegheș, A.; Moldovan, C.; Hădărugă, D.I., Antioxidant activity of tomato hybrids: correlation with the fertilizer used in crop, *Journal of Agroalimentary Processes and Technologies* **2011**, 17(1), 20-24, ISSN 2069-0053 (former ISSN 1453-1399), E-ISSN 2068-9551
7. Toța, C.E.; **Hădărugă, N.G.**; Poșta, G.; Berar, V.; Hegheș, A.; Corpaș, L.; Hădărugă, D.I., Flavoring compounds from tomato hybrids grown in Banat county (Romania), *Journal of Agroalimentary Processes and Technologies* **2011**, 17(1), 7-14, ISSN 2069-0053 (former ISSN 1453-1399), E-ISSN 2068-9551

8. Dumbravă, D.G.; **Hădărugă, N.G.**; Hădărugă, D.I.; Moldovan, C.; Raba, D., Determination by RP-HPLC of β -carotene concentration from orange (*Citrus sinensis* L.) fruits peel extracts, *Journal of Agroalimentary Processes and Technologies* **2010**, *16*(2), 242-246, ISSN 2069-0053 (former ISSN 1453-1399), E-ISSN 2068-9551
9. Popa, V.-M.; **Hădărugă, N.G.**; Hădărugă, D.I.; Gruia, A.; Raba, D.-N.; Moldovan, C.; Poiana, A.-M., Fatty acids composition of some vegetable oils obtained in the West area of Romania, *Journal of Agroalimentary Processes and Technologies* **2010**, *16*(3), 394-398, ISSN 2069-0053 (former ISSN 1453-1399), E-ISSN 2068-9551
10. Hădărugă, D.I.; **Hădărugă, N.G.**; Merkh, G.; Isengard, H.-D., Water content of fatty acid/cyclodextrin nanoparticles, *Journal of Agroalimentary Processes and Technologies* **2010**, *16*(2), 230-235, ISSN 2069-0053 (former ISSN 1453-1399), E-ISSN 2068-9551
11. Hădărugă, D.I.; **Hădărugă, N.G.**; Lazău, C.; Crăciun, C.; Grozescu, I., Liposomes containing titanium dioxide nanoparticles (Short communication), *Journal of Agroalimentary Processes and Technologies* **2010**, *16*(1), 62-66, ISSN 2069-0053 (former ISSN 1453-1399), E-ISSN 2068-9551
12. Coneac, G.; Gafițanu, E.; **Hădărugă, N.G.**; Hădărugă, D.I.; Riviș, A.; Pârnu, D., Quercetin and rutin / 2-hydroxypropyl- β -cyclodextrin nanoparticles: obtaining, characterization and antioxidant activity, *Journal of Agroalimentary Processes and Technologies* **2009**, *15*(3), 441-448, ISSN 2069-0053 (former ISSN 1453-1399), E-ISSN 2068-9551
13. Hădărugă, D.I.; Balș, D.; **Hădărugă, N.G.**, Insulin-Containing Amino Acids and Oligopeptides/ β -Cyclodextrin Supramolecular Systems: Molecular Modeling and Docking Experiments, *Chem. Bull. "Politehnica" Univ. (Timișoara)* **2009**, *54*(68-2), 108-113, ISSN (print): 1224-6018, ISSN (online): 2069-6310
14. Hădărugă, D.I.; **Hădărugă, N.G.**; Miclea, L.M.; Vlaia, L.; Mircioiu, C., Bioactive compounds (hepatoprotective or anti-inflammatory xenobiotics) / cyclodextrin nanoparticles: a comparative study, *Journal of Agroalimentary Processes and Technologies* **2009**, *15*(4), 478-483, ISSN 2069-0053 (former ISSN 1453-1399), E-ISSN 2068-9551
15. Hădărugă, D.I.; **Hădărugă, N.G.**, Antioxidant activity of *Chelidonium majus* L. extracts from the Banat county, *Journal of Agroalimentary Processes and Technologies* **2009**, *15*(3), 396-402, ISSN 2069-0053 (former ISSN 1453-1399), E-ISSN 2068-9551
16. Hădărugă, D.I.; **Hădărugă, N.G.**, Antioxidant Activity of Hepatoprotective Silymarin and *Silybum marianum* L. Extract, *Chem. Bull. "Politehnica" Univ. (Timișoara)* **2009**, *54*(2), 104-107, ISSN (print): 1224-6018, ISSN (online): 2069-6310
17. Hădărugă, D.I.; **Hădărugă, N.G.**; Riviș, A.; Pârnu, D., Molecular Modeling and Docking Studies on Compositae Biocompounds-Cyclodextrin Interactions, *Journal of Agroalimentary Processes and Technologies* **2009**, *15*(2), 273-282, ISSN 2069-0053 (former ISSN 1453-1399), E-ISSN 2068-9551
18. **Hădărugă, N.G.**; Hădărugă, D.I.; Tatu, C.; Gruia, A.; Moldovan, C.; Costescu, C.; Lupea, A.X., Multivariate Analysis (PCA) in Compositae Biocompounds Class, *Journal of Agroalimentary Processes and Technologies* **2009**, *15*(2), 201-210, ISSN 2069-0053 (former ISSN 1453-1399), E-ISSN 2068-9551
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