

LISTA DE LUCRARI

Teza de doctorat:

Titlu tezei: "Utilizarea carbonaților organici pentru protejarea grupei amino- și activarea grupei carboxil ale aminoacizilor în sinteze de peptide" teză de doctorat, Ed. Politehnica Timișoara, **2007**, ISSN:1842-8444, ISBN:978-973-625-431-4 - Universitatea Politehnica Timișoara;

Capitole de carte publicate international:

Nr. crt.	Titlu carte/Editura	Titlul capitol carte	Autori
1	Pharmacognosy - Medicinal Plants, (eds) Perveen S., Al-Taweel A., IntechOpen, 2019 , DOI: 10.5772/intechopen.82477	Therapeutic use of some Romanian medicinal plants	Segneanu A.E., Cegan C., Grozescu I., Cziple F., Olariu S., Ratiu S., Lazar V., Sorin Murariu M., Velcirov S.M., Marti T. D.
2	Amino Acid - New Insights and Roles in Plant and Animal, (9Eds) Asao T. Asaduzzaman Md., 2017 , IntechOpen, ISBN 978-953-51-3242-4, DOI: 10.5772/66064	Bioactive molecules profile from natural compounds	Segneanu A.E., Velcirov S., Olariu S., Cziple F., Damian D., Grozescu I.,
3	Biomass Now - Sustainable Growth and Use, (Ed) Darko Matovic M., 2013 , IntechOpen, ISBN 978- 953-51-1105-4, InTech, April 4,	Biomass extraction methods	Segneanu A.E., Cziple F., Vlăzan P., Sfirloaga P., Grozescu I., Gherman V.D.
4	Water Treatment, (ed) Elshorbagy W., Chowdhury R.K., 2013 , IntechOpen, ISBN 978-953-51-0928-0,	Waste water treatment methods	Segneanu A.E., Orbeci C., Lazău C., Sfirloagă P., Vlăzan P., Bandas C., Grozescu I.
5	Corrosion Resistance (ed). Shih H., 2012 , IntechOpen, ISBN 978-953-51-0467-4	Comparative study of porphyrin systems used as corrosion inhibitors	Segneanu A.E., Balcu I., Vlătănescu N., Urmosi Z., Macarie C. A.
6	Macro To Nano Spectroscopy, (ed). Uddin J., 2012 , IntechOpen, ISBN 978-953-51-0664-7	Organic compounds FT-IR spectroscopy	Segneanu A.E., Dabici A., Gozescu I., Sfirloaga P., Szabadai Z.
7	Analytical Chemistry, (ed). Krull I.S., 2012 , IntechOpen, ISBN 978-953-51-0837-5	Peptide and amino acids separation and identification from natural products	Neda I., Vlăzan P., Pop R.O., Sfirloagă P., Grozescu I., Segneanu A.E.
8	Environmental and Industrial Corrosion-Practical and Theoretical Aspects, (ed) Valdez Salas B., Schorr M., 2012 , IntechOpen, ISBN 978-953-51-0877-1	A comparative study between different corrosion protection layers	Segneanu A.E., Balcu I., Sfirloagă P., Vlătănescu N., Grozescu I.
9	Progress in Biomass and Bioenergy Production, (ed) Shaikat S.S., 2011 , IntechOpen, ISBN 978-953-307-491-7	Combined microwave- acid pretreatment of the biomass	Balcu I., Macarie C.A., Segneanu A.E., Pop R.O.

Lucrari stiintifice publicate in reviste cotate ISI

Nr. Crt.	Revista	Titlu articol	Autori	Factor ISI
1	Plants (Basel), 2021 , 10(11): 2245-	Artemisia annua growing wild in Romania-A metabolite profile approach to target a drug delivery	Segneanu A.E., Marin N., Ghirlea I.O.F., Feier CVI., Munteanu C., Grozescu I.	3,935

		system based on magnetite nanoparticles		
2	Plants (Basel), 2021 , 10: 540-557	Chemical screening of metabolite profile from Romanian Tuber spp.	Segneanu A.E., Cepan M., Bobica A., Stanusoiu I., Dragomir I. C., Parau A., Grozescu I.	3,935
3	Materials, 2021 ,14(16):4371	Assessment of the different type of materials used for removing phosphorus from wastewater	Cepan C, Segneanu A-E, Grad O, Mihailescu M, Cepan M, Grozescu I	3,623
4	Amino Acids, 2016 ,48 (3):849-858	A simple and rapid method for calixarene-based selective extraction of bioactive molecules from natural products	Segneanu A.E. , Damian D., Hulka I., Grozescu I., Salifoglou A.	3,173
5	Molecules, 2015 , 20(12):22170-22187	<i>Helleborus purpurascens</i> —Amino acid and peptide analysis linked to the chemical and antiproliferative properties of the extracted compounds	Segneanu A.E., Grozescu I., Cziplé F., Berki D., Damian D., Niculite C. M., Florea A., Leabu M.	2.465
6	Separation and Purification Technology, 2014 , 122: 290-296	Effect of a modified photo-Fenton procedure on the oxidative degradation of antibiotics in aqueous solutions	Orbeci C., Untea I., Nechifor G., Segneanu A.E., Craciun M.E.	3,091
7	Digest Journal of Nanomaterials and Biostructures, 2014 , 9(2):891-898	Magnetic cobalt ferrite nanoparticles: synthesis and surface functionalization with naturally small peptide	Segneanu A.E., Vlazan P., Svera P., Grozescu I., Sfirloaga P.	0,945
8	Digest Journal of Nanomaterials and Biostructures, 2013 ,8(4):1423-1433	The influence of extraction process parameters of some biomaterials precursors from <i>Helianthus annuus</i>	Segneanu A.E., Grozescu I., Sfirloaga P.	1,123
9	Digest Journal of Nanomaterials and Biostructures, 2013 ,8(3):1061-1068	Comparative study on enzymatic hydrolysis of cellulose	Segneanu A.E., Macarie C., Ungureanu M., Gherman V., Grozescu I.	1,123
10	Revista de Chimie, 2013 ,64 (3): 311-316	Aspects regarding the economic study of the bioethanol obtained by development of a new environmentally friendly pretreated method	Macarie C., Bebeselea A., Balcu I., Darvasi D., Segneanu A.E	0,677
11	Environmental Engineering and Management Journal, 2013 ,12(5):1071-1077	Hybrid materials for the removal of organic compounds from water	Segneanu A.E., Bandas C., Grozescu I., Cziplé F., Slavici T., Sfirloaga P.	1,258
12	Environmental Engineering and Management Journal, 2012 ,11(1):141-146	A new photo-fenton procedure applied in oxidative degradation of organic compounds from wastewater	Orbeci C., Untea I., Stanescu R., Segneanu A.E., Craciun M.E.	1,117
13	Digest Journal of Nanomaterials and Biostructures, 2012 , (2):729-736	Antioxidant capacity of <i>Camellia sinensis</i> extracts	Segneanu A.E., Vlatanescu N., Vaszilcsin, C., Macarie C., Grozescu I	1,092
14	Digest Journal of Nanomaterials and Biostructures, 2012 , 7(4):1577-1586	Use of alkaline lyophilization process for lignocellulosic biomass pretreatment	Macarie C., Segneanu A.E., Grozescu I., Balcu I., Pop R., Ungureanu M., Burtica G.	1,092
15	Digest Journal of Nanomaterials and Biostructures, 2012 , 7(4):1689-1692;	Phtalimidyl derivates used at peptide bonds formation	Grozescu I., Bebeselea A., Segneanu A.E.	1,092
16	Optoelectronics and Advanced Materials, Rapid Communications, 2012 ,6(5-6):652-655	Comparative analytical study of active compounds from <i>zingiber officinale</i>	Segneanu A.E., Zuguang Y., Dabici A., Jianrong L., Grozescu I.	0,402
17	Optoelectronics and Advanced Materials, Rapid Communications, 2012 , 6(5-6):656-659	New series of asymmetrical carbonates used in peptide synthesis	Segneanu A.E., Milea M., Grozescu I.	0,402

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18	Digest Journal of Nanomaterials and Biostructures, 2012 ,7(1):199-205	Characterisation of truffles using electrochemical and analytical methods	Segneanu A.E., Sfirloaga P., David I., Balcu I., Grozescu I.	1,092
19	Optoelectronics and Advanced Materials, Rapid Communications, 2012 , 6(1-2):197-199	Synthesis of a new symmetric carbonate with leaving group	Segneanu A.E., Milea M., Grozescu I.	0,402
20	Environmental Engineering and Management Journal, 2011 ,10(5):697-701	Separation and characterization of anthocyanins by analytical and electro-chemical methods	Popescu C., Fitigau F., Segneanu A.E., Martagiu R., Vaszilcsin C.G.	1,004
21	Environmental Engineering and Management Journal, 2010 ,9(8):1139-1143	Green synthesis of symmetrical carbonate FT-IR study	Segneanu A.E., Pop R., Balcu I., Martagiu R., Milea M., Vaszilcsin C	1,435
22	Environmental Engineering and Management Journal, 2010 ,9(7):971-976	Eco-friendly extraction and separation methods of capsaicines	Vaszilcsin C., Segneanu AE., Balcu I., Fitigău F., Mirica M.	1,435
23	Environmental Engineering and Management Journal, 2009 ,8(4):741-746	Microwaves effect over biomass hydrolysis	Balcu I., Segneanu A.E., Mirica M., Macarie C., Martagiu R.	0,885
24	Environmental Engineering and Management Journal, 2009 , 8(4):797-801	Reactive organic carbonates with leaving group for biologically active dipeptides synthesis	Segneanu A.E, Balcu I., Mirica M., Milea M., Urmosi, Z.	0,885
25	Environmental Engineering and Management Journal, 2009 , 8(4):895-900	Iron oxides from electrofilter ash for water treatment (arsenic removal)	Balcu I., Segneanu A., Mirica M., Badea C., Fitigau F.	0,885
26	Environmental Engineering and Management Journal 2009 ,8(4):765-769	Anticorrosive protection system based on nanocomposites	Balcu I., Segneanu A.E., Mirica M., Macarie C., Popa, I.	0,885
27	Environmental Engineering and Management Journal, 2009 ,8(4):889-893	Non-ferrous heavy metal metallurgy wastewater treatment by the electro-floto-coagulation method	Mirica M., Iorga M., Segneanu A.E, Buzatu D., Vaszilcsin C.	0,885
28	Revista de Chimie, 2008 ,59(5):575-577	Utilizarea N,N'-diftalimidilcarbonatului în sinteze de carbonați organici nesimetrice cu aplicații în sinteza peptidelor	Segneanu A.E, Milea M., Simon M., Csunderlik C.	0,389
29	Revista de Chimie, 2007 ,58(10):927-931	Utilizarea carbonaților micști de N-succinimidil la protejarea grupelor amino din amine și aminoacizi/	Segneanu A.E, Milea M., Badea V., Csunderlik C	0,261
30	Revista de Chimie, 2007 ,58(7):659-663	Reacții de alcoxycarbonilare la amine și aminoacizi cu carbonați micști de N-ftalimidil	Segneanu A.E, Milea M., Badea V., Csunderlik C.	0,261
31	Revista de Chimie, 2007 ,58(6):542-546	Sinteze de carbonați organici nesimetrice din N,N'-succinimidilcarbonat și alcoolii/	Segneanu A.E, Milea M., Simon M., Csunderlik C.	0,261
32	Revista de Chimie, 2006 ,57(7):739-742	N,N'-disuccinimidilcarbonatul, un potențial reactiv în sinteză organică fină de carbonați nesimetrice reactivi, utilizați la protejarea grupelor amino din aminoacizi în vederea sintezei de peptide	Segneanu A.E, Milea M., Pinteș B., Simon M., Csunderlik C.	0,287
TOTAL				41,797

Proceedings cotate ISI

Nr. Crt.	Revista	Titlu articol	Autori
1	Proceedings of the 11th WSEAS International Conference on Sustainability in Science Engineering (SSE '09)	Study of multifunctional nanocomposites (porphyrin systems) used as corrosion	Balcu I., Ivan A., Segneanu A.E., Macarie C., Urmosi Z., Vlătanescu N.

	Timisoara, Sustainability in science engineering vol II, pp.520-524, Mai 27-29, published by WSEAS Press, ISSN: 1790-2769, ISBN: 978-960-474-080-2, 2009	inhibitors	
2	Proceedings of the 11th WSEAS International Conference on Sustainability in Science Engineering (SSE `09) Timisoara, Sustainability in science engineering vol II, pp. 525-530, Mai 27-29, published by WSEAS Press, ISSN: 1790-2769, ISBN: 978-960-474-080-2, 2009	Anticorrosive protection system based on phosphogypsum	Balcu I., Ivan A., Segneanu A.E., Macarie C., Țăranu B., Urmosi Z

Lucrări științifice publicate în alte baze de date

Nr. crt.	Titlu lucrării	Revista	Autori
1.	Food security into a circular economy	J. Food Sci. Nutr., 2018 , vol.4, pp.1-3	Segneanu AE, Grozescu I, Cepan C., Cziplé F, Lazar V., Velcirov S.
2.	Significance of food quality on human health	Applied Food Science Journal, 2018 ,2(2):17	Segneanu A.E, Grozescu I., Cepan C., Velcirov S.
3.	Laboratory studies regarding the electrofloto-coagulation process used as toxic element containing levigate treatment, from the non-ferrous heavy metal metallurgy	Annals of West University of Timisoara, 2008 ,17(3):19-22;	Buzatu D., Segneanu A.E., Iorga M., Vaszilcsin, Mirica, M.C.,
4.	Some less unknown application of perennial plants from Romania	Food & Nutrition Journal, 2017 ,vol.3:1-5	Segneanu A.E., Damian D., Velcirov S., Grozescu I.
5.	Laboratory installation regarding the acid hydrolysis of biomass	Annals of West University of Timisoara, 2008 , vol 17, no 3, pp. 41-44;	Martagiu, R., Segneanu A.E., Macarie C.A., Balcu I., Mirica M.C.
6.	Anthocyanins profile of <i>Vaccinium myrtillus</i> alcoholic extracts revealed by electrospray ionization/mass spectrometry	Ovidius University Annals of Chemistry, 2009 , Vol. 20, Number 1, pp. 76-79;	Ienascu I., Balcu I., Segneanu A., Cata A., Damian D.,
7.	Organochlorine pesticides characterization by physico-chemical method	Journal of Horticulture, Forestry and Biotechnology, 2010 , Vol. 14, pp.48-54.	Vlatanescu N., Segneanu A. E., Macarie C., Balcu I, Martagiu R., Fitigau F., Popescu C., David I., Danci M.,
8.	Comparative study on microorganisms used for the bioethanol production	Low Carbon Economy, 2011, 2, pp. 224-229	Macarie C., Segneanu A.E., Balcu I., Burtica G., Gherman V.

Lucrări științifice comunicate la manifestări științifice internaționale

Nr. Crt.	Conferința	Titlu articol	Autori
1	"Preventing and fighting hydrological disasters". U.P. Timișoara, 21-22 noiembrie 2002	Modelling of the de-pollution process in a aquifer through injection and extraction wells and treatment of polluted water at the ground surface. Conferința	Carabet A., Podoleanu C., Beilicci R., Gheorghe A., Beilicci E., Segneanu A.E

		cu participare internațională	
2	Conferința Internațională de Chimie și Inginerie Chimică, Timișoara, 28-30 Mai, 2008 , P.S.I.-111	Influența diverșilor factori asupra reacției de oxidare a etanolului prin voltametrie ciclică	Balcu, I., Vlatanescu, N., Macarie, C., Segneanu A.E
3	Conferința Internațională de Chimie și Inginerie Chimică, Timișoara, 28-30 Mai, 2008 , P.S.I.-503	Influența metodei de scindare a celulozei asupra eficienței producției de biocombustibil	Segneanu A.E., Balcu I., Mateescu C., Mirica M.C., Macarie C.A.
4	Sixth International of the Chemical Society of the South-Eastern European Countries 10-14 Septembrie, Sofia, Bulgaria, 2008 , 2-P13	Comparative study of reactivity of some organic reactive carbonates with leaving groups used in peptide synthesis	Segneanu A.E., Balcu I., Milea M., Mirica M.C., Iorga M.
5	International Conference on Materials Science and Engineering, Brașov, Feb. 26-28 2009 , P.6.14	Microwaves effect over biomass hidrolisis	Balcu I., Segneanu A.E., Mirica M.C., Iorga M.I., Macarie C., Martagiu R.
6	International Conference on Materials Science and Engineering Brașov, Feb. 26-28, 2009 , P.7.07	Anticorrosive protection system based on nanocomposites	Balcu I., Segneanu A.E., Mirica M.C., Iorga M.I., Macarie C., Popa I.
7	International Conference on Materials Science and Engineering Brașov, Feb. 26-28, 2009 , P.7.17	Reactive organic carbonates with leaving group for biologically active dipeptides synthesis	Segneanu A.E., Balcu I., Mirica M.C., Iorga M.I., Milea M., Urmosi Z
8	International onference on Materials Science and Engineering, Brașov, Feb. 26-28, 2009 , P.7.38	Non-ferrous heavy metal metallurgy wastewater treatment by electroflotocoagulation methods	Mirica M., Iorga M, Segneanu A.E., Balcu I., Buzatu, D., Vaszilcsin, C.
9	International onference on Materials Science and Engineering. Brașov, Feb. 26-28, 2009 , P.7.39	Iron oxides from electrofilter ash for water treatment	Balcu I., Segneanu A.E., Mirica M., Iorga M., Badea, C., Fitigau, F.
10	International Conference "New trends in applied chemistry", Constanța, 13-16 May 2009 , PA7	Synthesis and characterization of some new salicylamide derivates with potential biological activity	Ienascu I., Balcu I., Martagiu R., Segneanu A.E., Macarie C., Padure M.
11	International Conference "New trends in applied chemistry", Constanța, 13-16 May 2009 , PA8	Study for extraction and separation capsaicines	Vaszilcsin C., Martagiu R., Segneanu A.E., Popescu C., Balcu I., Mirica M.C.
12	International Conference "New trends in applied chemistry", Constanța, 13-16 May 2009, PA9	Lewis acids catalysis in esterification reactions	Maties M., Segneanu A.E., Popescu C., Mirica M., Balcu I., Iorga M., Pandurescu C.
13	International Conference "New trends in applied chemistry", Constanța, 13-16 May 2009 , OD5	Determination of aromatic preservatives from the superficial layer of fruits using chromatography and spectroscopy methods	Segneanu A.E., Macarie C., Balcu I., Popescu C., Ienascu I.
14	International Conference "New trends in applied chemistry", Constanța, 13-16 May 2009 , PD21	Chromatographic analysis and chemical determinations of some food additives	Macarie C., Segneanu A.E., Balcu I., Martagiu R., Fitigau F., Popescu C.
15	International Conference "New trends in applied chemistry", Constanța, 13-16 May 2009 , PD22	Determination of halogen-type pesticides from alimentary products by chromatographic and AOX method	Segneanu A.E., Macarie C., Popescu C., Vaszilcsin C., Balcu I., Fitigau F.
16	International Conference "New trends in applied chemistry", Constanța, 13-16 May 2009 , PD23	Determination by HPLC of some food flavorings	Macarie C., Balcu I., Segneanu A.E., Martagiu R., Fitigau I.F., Maties M.
17	International Conference "New trends in applied chemistry", Constanța, 13-16 May 2009 , PD24	Anthocyanins studies by analytical and electro-chemical methods	Popescu C., Segneanu A.E., Maties M., Balcu I., Martagiu R., Vaszilcsin C.

18	International Conference "New trends in applied chemistry", Constanța, 13-16 May 2009 , PD25	Anthocyanins profile of Vaccinium Myrtillus alcoholic extracts revealed by ionization/mass spectrometry	Ienascu I., Balcu I., Martagiu R., Segneanu A.E., Cata A., Macarie C., Damian D
19	International Conference "New trends in applied chemistry", Constanța, 13-16 May 2009 , PE6	Study over producing of bioethanol from textiles residues	Balcu I., Segneanu A.E., Macarie C., Mirica M.
20	International Conference "New trends in applied chemistry", Constanța, 13-16 May 2009 , PE7	Electrochemical behavior of tantalum – voltammetric study	Vaszilcsin C., Segneanu A.E., Rosu D., Buzatu D., Mirica M.
21	International Conference "New trends in applied chemistry", Constanța, 13-16 May 2009 , PE8	Electrochemical behavior of tantalum II. Electrochemical impedance spectroscopy	Segneanu A.E., Vaszilcsin C., Buzatu D., Rosu D., Iorga M.
22	International Conference "New trends in applied chemistry", Constanța, 13-16 May 2009 , PE9	Municipal wastes management – a biofuels reserves	Balcu I., Segneanu A.E., Macarie C., Martagiu R
23	International Conference "New trends in applied chemistry", Constanta, 13-16 May 2009 , PC4	Comparative studies regarding the characterization of vitamins E and C by analytical and electrochemical methods	Martagiu R., Popescu C., Balcu I., Segneanu A.E., Ienascu I., Maties M.I., Vaszilcsin C.
24	Journées d'Electrochimie, Sinaia, 6-10 Jul 2009 , 6-P-10	Electrochemical behavior of vanillin by cyclic voltammetry	Martagiu R., Vlatanescu V., Segneanu A. E., Macarie C., Vaszilcsin C., Balcu I.
25	Journées d'Electrochimie, Sinaia, 6-10 Jul 2009 , 6-P-11	Electrochemical determination of the capsaicin antioxidant potential	Vaszilcsin C., Segneanu A.E., Rosu D., Boc D., Martagiu R.
26	Journées d'Electrochimie, Sinaia, 6-10 Jul. 2009 , 8-P-17	Practical examples for the use of rotating disk electrodes in the study of oxygen electro-reduction	Macarie C., Balcu I., Mirica M., Segneanu A.E., Vlatanescu V., Ienascu I.
27	Journées d'Electrochimie, 6-10 Jul. 2009 , 8-P-21	The study of the electrode's nature influence on the oxidation of aliphatic alcohols using cyclic voltammetry	Balcu I., Macarie C., Vlatanescu V., Segneanu A.E., Ürmösi Z., Iorga M.
28	Journées d'Electrochimie, Sinaia, 6-10 Jul. 2009 , Sinaia, 8-P-24	Treatment of waste water containing non-ferrous toxic metal by electrocoagulation technique	Segneanu A.E., Mirica M., Iorga M., Balcu I., Buzatu D., Vaszilcsin C.
29	Journées d'Electrochimie, Sinaia, 6-10 Jul. 2009 , 9-O-01	A comparative study between different corrosion protection layers	Segneanu A.E., Balcu I., Macarie C., Taranu B., Mirica M.C., Iorga M.
30	Journées d'Electrochimie, Sinaia, 6-10 Jul. 2009 , 9-P-02	Anticorrosive protection system based on alumina	Balcu I., Macarie C., Vlatanescu V., Segneanu A., Buzatu D., Dobrescu M.
31	Journées d'Electrochimie, Sinaia, 6-10 Jul. 2009 , 9-P-34	Study of multifunctional nanocomposites (porphyrin system) used as corrosion inhibitors	Balcu I., Segneanu A.E, Macarie C., Vlatanescu V., Țăranu B., Ivan A.
32	Journées d'Electrochimie, Sinaia, 6-10 Jul. 2009 , 9-P-35	The using of phosphogyps as anticorrosive-protection system	Vlătanescu N., Balcu I., Segneanu A.E., Macarie C., Vaszilcsin C., Martagiu R.
33	International Symposium "The Environment and Industry", Bucharest, 28-30 Oct. 2009 , I.P-14	Arsenic adsorption from contaminated waste water	Balcu I., Segneanu A., Mirica M., Iorga M., Badea C., Fitigau F.
34	International Symposium "The Environment And	Industrial waste water treatment by	Segneanu A.E., Buzatu D., Iorga M.,

	Industry”, Bucharest, 28-30 Oct. 2009 , I.P.15	electrofotocoagulation method	Mirica M.C., Vaszilcsin C., Fițigău F.
35	6th International Conf. Integrated Systems for Agri-food Production –SIPA’09, Nyiregyhaza, Hungary, Nov. 12-14, 2009	Municipal wastes management a important biofuels reserve	Macarie C., Segneanu A.E., Balcu I., Martagiu R., Tucu D
36	6th International Conference Integrated Systems for Agri-food Production –SIPA’09, Nyiregyhaza, Hungary, Nov. 12-14, 2009	Study of 2003/30/eu directive implementation in Romania	Segneanu A.E., Balcu I., Mnerie D., Macarie C, Popescu C, Fițigău F, Urmosi Z.
37	6th International Conference Integrated Systems for Agri-food Production –SIPA’09, Nyiregyhaza, Hungary, Nov. 12-14, 2009	Comparative study on physico-chemical pretreatment methods of various lignocellulosic biomasses	Segneanu A.E., Balcu I., Mnerie G., Macarie C., Popescu C., Fițigău F., Martagiu R.
38	PRIOCHEM –ed.V, Sinaia, Oct.29-30 2009 , P1-24	Analiza prin GC-MS a unor compusi bioactivi din uleiuri volatile	Macarie C, Segneanu A.E., Fițigău F., Vlatanescu N., Martagiu R., Balcu I., Popescu C., Vaszilcsin C.
39	PRIOCHEM–edV, Sinaia, Oct. 29-30 2009 , P1-25	Determinari spectroscopice si cromatografice privind identificarea vitaminei C din <i>Rosa canina</i>	Martagiu R., Vlatanescu N., Macarie C., Segneanu A.E., Damian D., Balcu I., Popescu C., Fițigău F.
40	PRIOCHEM–ed.V, 29-30 Oct. 2009 , Sinaia, P1-17	Analize cromatografice si spectroscopice asupra varietatilor de <i>Camellia sinensis</i>	Vlatanescu N., Vaszilcsin C., Macarie C. A., Segneanu A.E., Fițigău F., Popescu C., Balcu I., Pop R.
41	PRIOCHEM–ed.V, Sinaia, Oct.29-30 2009 , P1-18	Capacitatile antioxidante a extractelor de diferite varietati de <i>Camellia sinensis</i>	Vlatanescu N., Segneanu A.E., Balcu I., Macarie C., Vaszilcsin C., Fițigău F., Popescu C., Pop R.
42	PRIOCHEM–ed.V, Sinaia, Oct. 29-30 2009 , P1-19	Studiul comparativ asupra determinarii continutului de cafeina din varietatile de <i>Camellia sinensis</i> si <i>Aspalathus linearis</i> (Rooibos)	Vlătanescu N., Vaszilcsin C., Fițigău F., Popescu C., Segneanu A.E., Balcu I., Macarie C., Damian D.
43	PRIOCHEM–edV, Sinaia, Oct. 29-30 2009 , P2-09	Comportarea electrochimica a niobiului. Studii voltametrice,	Vaszilcsin C., Rosu D., Segneanu A.E, Buzatu D., Kellenberger A., Mirica M., Daniel D., Balcu I.
44	PRIOCHEM–edV, Sinaia, Oct. 29-30 2009 , P3-23	Caracterizarea pesticidelor organoclorurate prin metode de analiza fizico-chimice	Segneanu A.E., Macarie C., Fițigău F., Popescu C., Balcu I., Pop R., Vaszilcsin C.
45	PRIOCHEM –ed.V, Sinaia, Oct. 29-30 2009 , P1-21	Caracterizarea unor derivati petrolieri prin GS-MS si spectroscopie de FT-IR	Balcu I., Fițigău F., Popescu C., Segneanu A.E., Pop R., Vaszilcsin C., Macarie C. A., Mirica M.C
46	PRIOCHEM –ed.V, Sinaia, Oct. 29-30 2009 , P1-22	Determinarea metalelor grele din coaja citricelor prin spectroscopie de absorbtie atomic si cromatografie	Fițigău F., Popescu C., Macarie C., Segneanu A.E., Balcu I., Pop R., Vaszilcsin C., Urmosi Z.
47	PRIOCHEM–ed.V, Sinaia, Oct. 29-30 2009 , P1-23	Identificarea compusilor adsorbiti pe filtrele cu carbine activ	Balcu I., Segneanu A.E., Macarie C., Fițigău F., Popescu C., Pop R.,

			Sfirloaga P
48	Electrochemistry Conference – ZING, 2009 , Cancun, Mexico, P11, p.41	Ti surface preparation and metallic oxide coating for chlorine production DSA	Iorga M., Mirica M. C., Bala C., Mirica N., Vaszilcsin N., Balcu I., Segneanu A.
49	2nd International Conference on Chemistry and Chemical Engineering, Timișoara, May 27-29, 2010 , P.314	HPLC chromatographic analysis on <i>Sambucus ebulus</i> chemical composition	Fițișău F., Segneanu A.E., Balcu I., Martagiu R., Vaszilcsin C.G
50	2nd International Conference on Chemistry and Chemical Engineering, Timisoara, May 27-29, 2010 , P.315	Determination of caffeine content in <i>Camellia sinensis</i> by two methods: FT-IR and UV-VIS spectroscopy	Vlătanescu N., Segneanu A.E., Balcu I., Vaszilcsin C.G., Martagiu R., Fitigau F.
51	The XVI th Ed. of the Anniversary symposium: Food Science, Processes and Technologies: New trends in food safety and processing, The 1 st International Conf. on Food Chemistry, Engineering&Technology, 20 Years of University Education and Research on Food Technologies in Banat, Banat's University of Agricultural Sciences and Veterinary Medicine Timișoara (BUASVMT), 3-4 June 2010 , SP19	Determination of aromatic preservatives from the superficial layer of citrus fruit using chromatographic and spectroscopic methods	Segneanu A.E., Martagiu R., Macarie C., Balcu I., Vlătanescu N., Vaszilcsin C., David I
52	First International Conference Analytical and Nanoanalytical Methods for biomedical and Environmental Sciences IC- ANMBES 2010 , Brașov, June 18-20, PE 16	Synthesis of a new symmetriv carbonate with leaving group	Segneanu A.E., Macarie C., Balcu I., Martagiu R., Milea M., Pop R.
53	First International Conference Analytical and Nanoanalytical Methods for biomedical and Env. Sciences IC- ANMBES 2010 , Brașov, June 18-20, PE 17	New series of asymmetrical carbonates used in peptide synthesis	Segneanu A.E., Macarie C., Balcu I., Martagiu R., Pop R., Milea M.
54	First International Conf. Analytical and Nano-analytical Methods for biomedical and Environ-mental Sciences IC- ANMBES 2010 , Brașov, June 18-20, PE 17	Pesticides microencapsulation-a new conditioning metyhod	Macarie C., Segneanu A.E., Balcu I., Fițișău F., Badea C
55	First International Conference Analytical and Nanoanalytical Methods for biomedical and Environmental Sciences IC- ANMBES 2010 , Brașov, June 18-20, PE 17	New microorganism's consortium for bioethanol	Macarie C., Segneanu A.E., Balcu I., Burtica G, Badea C. Gherman V., Fițișău F.
56	Workshop, Challenges in Food chemistry 2010 , Constanța, 28-29 May, P12	Mandarin essential oil analysis by GS/MS techniques	Macarie C, Fitigau F, Vaszilcsin C, Balcu I, Segneanu A.E, Martagiu R, Vlătanescu N.
57	Workshop, Challenges in Food chemistry 2010 , Constanța, 28-29 May, P13	Chromatographic analysis and the influence of heavy metal on tyme and basil essential oils	Vaszilcsin C, Fițișău F, Segneanu A.E, Balcu I, Martagiu R, Vlătanescu N.V, Damian D.
58	Workshop, Challenges in Food chemistry 2010 ,	Chromatographic analysis of chamomille extracts	Damian D., Vlătanescu N., Martagiu

	Constanța, 28-29 May, P14		R., Fitigau F., Segneanu A.E., Balcu I., Macarie C.
59	Workshop, Challenges in Food chemistry 2010 , Constanța, 28-29 May, P15	Chromatographic and spectrometric analysis of mint compounds	Fitigau F., Vaszilcsin C., Segneanu A.E., Balcu I., Martagiu R., Vlătanescu N., Macarie C.
60	Workshop, Challenges in Food chemistry 2010 , Constanța, 28-29 May, P16	Alkaloids determination in some <i>Chelidonium Majus</i> L. species	Martagiu R., Fitigau F., Vlătanescu N., Damian D., Segneanu A.E., Balcu I., Vaszilcsin C.
61	Workshop, Challenges in Food chemistry 2010 , Constanța, 28-29 May, P17	Comparison between clove and cinnamon extracts by chromatographic methods	Segneanu A.E., Fitigau F., Vaszilcsin C., Balcu I., Martagiu R., Vlătanescu N., Macarie C.
62	Workshop, Challenges in Food chemistry 2010 , Constanța, 28-29 May, P18	Comparative studies of the <i>Panax ginseng</i> antioxidant capacity	Vlătanescu N., Segneanu A.E., Balcu I., Martagiu R., Fitigau F., Damian D.
63	19 th International Congress of Chemical and Process Engineering CHISA 2010 and the 7 th European Congress of Chemical Engineering ECCE-7 2010 Praga, Republica Ceha, P1 199	Complex anticorrosive nanoparticle systems	Mirica N., Balcu I., Urmosi Z., Segneanu A. E., Iorga M., Macarie C., Mirica M.
64	19 th International Congress of Chemical and Process Engineering CHISA 2010 and the 7 th European Congress of Chemical Engineering ECCE-7, 2010 , Praga, P1 200	Characterization and testing of nanosized corrosion inhibitors	Balcu I., Urmosi Z., Mirica M., Segneanu A.E., Macarie C., Iorga M.
65	International Conference on Healthy Nutrition and Public Health IC-HNPH – 2011 , Brașov, May 13-16, 2011 , P.3.26	Study on extraction and separation of <i>Zingiber</i> officinale active compounds by chromatographic and spectroscopic methods	Segneanu A.E., Dabici A., Balcu I., Grozescu I., Badea I.
66	International Conference on Healthy Nutrition and Public Health IC-HNPH – 2011 , Brașov, May 13-16, 2011, P.3.25	Truffles characterization by electrochemical and analytical methods	Segneanu A.E., Sfirloaga P., Vlătanescu N., David I., Grozescu I.
67	8th European Congress of Chemical Engineering and 1st European Congress of Applied Biotechnology-Sept.25–29, 2011 , Berlin, Germany, P 48.47	Study on new pretreatment physico-chemical methods of lignocellulosic biomass for bioethanol production	Balcu I., Macarie C., Pop R., Segneanu A.
68	8th European Congress of Chemical Engineering and 1st European Congress of Applied Biotechnology-Berlin, Germany, Sept. 25–29, 2011 , P 19.18	The synthesis of new amino protecting groups, intermediates in pharmaceutical industry	Segneanu A., Macarie C., Balcu I.
69	Pharmaceutical BioEngineering - New Biotrends to smarter drugs– 2011 , Dortmund, 8-9 Dec. Germany	New synthesis of biological active dipeptide used in pharmaceutical industry	Segneanu A.E., Macarie C. A., Milea M.
70	International Conference Chimia 2012 “New Trends in Applied Chemistry”, Constanța, May 24–26, PA1	Characterization of some important natural compounds from <i>Cheledonium major</i>	Segneanu A.E., Grozescu I., Lazau C., Bandas C., Neda I. Dabici A., Vlătanescu N.,
71	International Conference Chimia 2012 “New Trends in	Isolation and analysis of some important natural	I. Grozescu, A.E. Segneanu, C.

	Applied Chemistry", Constanța, May 24–26, 2012 , PA10. I	compounds from <i>Anchusa officinalis</i>	Lazau, C. Bandas, I. Neda A.M.Dabici, N. Vlătanescu,
72	13th Congress of the International Society for Ethnopharmacology, Graz, Austria, Sept.2-6, 2012 , P426	Studies on peptides and glycopeptides from <i>Viscum sp</i>	Segneanu A.E., Grozescu I., Sfirloaga P., Pop R., Neda I.
73	6th Interntional Conference on Materials Science and Condensed Matter Physics (MSCMP 2012), Chișinău, Moldova, CPPP 39 P	Physico-chemical characterization of biological active compounds from <i>Helianthus annuus</i>	Grozescu I., Segneanu A.E., Sfirloaga P., Dabici A., Neda I.
74	International workshop - Design of cromophore systems with specific properties and applications in medicine as biomarkers and antitumoral agents, Timișoara, April 18-19, 2013	Design of cromophore systems with specific properties and applications in medicine as biomarkers and antitumoral agents- prezentare plenara	Segneanu A.E.
75	Simpozionul internațional „Prioritățile Chimiei Pentru o Dezvoltare Durabilă Priochem” ediția a VIII-a, 25-26 Oct. 2012 , București	Studies on peptides and free amino Acids from <i>Eupatoria cannabinum</i>	Segneanu A.E., Grozescu I., Sfirloaga P., Pop R., Vlazan P., Neda I.
76	Simpozionul International PRIOCHEM, editia a IX-a, 24-25 Oct. 2013	Peptides with potential biological activity	Segneanu A., Svera P., Grozescu I.
77	8th International Conference on Materials Science & Engineering –BRAMAT, Brașov 2013	Magnetic cobalt ferrite nanoparticles: synthesis and surface functionalization with peptide	Segneanu A.E, Vlazan P., Svera P., Grozescu I., Petric A.
78	Phytochemicals in Medicine and Pharmacognosy, Piatra Neamț 27-30 April 2014	<i>Viscum album</i> - aminoacids and peptide analysis and their antitumoral activity	Segneanu A.E, Vlazan P., Svera P., Sfirloaga P., Grozescu I.
79	Ecoimpuls b, Timișoara, Romania	Nanomaterials used for phosphorus removal from wastewater	Segneanu A.E., Svera P., Berki D., Damian D., Grozescu I.
80	10th International Student Conference of the Balkan Physical Union, 3-5 Sept. 2013 , Istanbul, Turcia. (PP34-SON).	Study on phosphorus removal efficiency of different nanomaterials for wastewater treatment	Segneanu A.E., Damian D., Irina Moiescu C., Grozescu I.
81	17 th International Conference on Waste Recycling, 21-22 Nov. 2013 , Kosice, Slovakia	Recovery of natural active compounds from waste biomass- prezentare plenara	Segneanu A.E
82	WFCMS- International Conference on Heath Food from Medicinal Plants, 1-3 November Beijing, China, 2013	Microencapsulation of <i>Scardica sideritis</i> as dietary supplement – prezentare plenara	Segneanu A.E., Scorei R., Scorei I., Grozescu .I.
83	Phytochemicals in Medicine and Pharmacognosy, 27-30 April 2014 , Piatra Neamț – Romania;	<i>Viscum album</i> - aminoacids and peptide analysis and their antitumoral activity	Segneanu A., Vlazan P, Svera P., Sfirloaga P., Grozescu I.,
84	20 th International Symposium on Analytical and Environmental Problems, Szeged, Hungary, 22 September 2014	A new complex material for water management,	Damian D., Grozescu I., Mocanu L., Segneanu, A.,
85	7 th International Conference Materials Science and Condensed Matter Physics, 16-19 September, Chisinau, Moldova, 2014	Comparative studies for synthesis of alumina nanoparticles,	Segneanu A., Vlazan P., Damian D., Grozescu I.,
86	7 th International Conference Materials Science and	A new hybrid material for nutrients removal from	Segneanu A., Vlazan, P., Damian,

	Condensed Matter Physics, 16-19 Sept., Chisinau, Moldova, 2014	wastewater,	D., Sfirloaga, P., Grozescu, I.,
87	Simpozionul internațional „Prioritățile Chimiei Pentru o Dezvoltare Durabilă Priochem, 30 Oct. 2014 , București, Romania	New Hybrid material with application in water treatment - oral presentation	Segneanu A., Damian D., Vlazan P., Mocanu L., Grozescu I.
88	Simpozionul internațional „Prioritățile Chimiei Pentru o Dezvoltare Durabilă Priochem, 30 Oct. 2014 , București, Romania	<i>Carex arenaria</i> – A Study of comparative extraction techniques - oral presentation	Damian D., Grozescu I., Svera P., Segneanu A.
89	Simpozionul internațional „Prioritățile Chimiei Pentru o Dezvoltare Durabilă Priochem, 30 Oct. 2014 , București, Romania	Advanced analytical methods for complete screening of steroidal compounds - oral presentation	Segneanu A., Svera P., Grozescu I., Mocanu L.
90	The XXIII. Scientific Symposium with International Participation, Hrádok, 23-24 Oct. 2014 , pag. 129-131 pp. (ISBN 978-80-970034-7-0).	Microwave extraction of various kinds of biomass. In situation in ecologically loaded regions of Slovakia and Central Europe.	Dolinská S., Znamenáčková I., Lovás M., Čablíková L., Čablík, V., Segneanu A.E., Grozescu I.
91	Workshopului internațional – Salonul Internațional de Inventica si Inovatii Traian Vuia Timișoara, 11-13 iunie 2015	Tehnici si metodologii inovatoare pentru epurarea apei uzate- prezentare plenara	Segneanu A.E, Grozescu I.
92	21 st International Symposium on Analytical and Environmental Problems (ISAEP), 28 Sept. 2015 Szeged, Ungaria	Facile way to synthesis a new composite material with application in water treatment	Damian D., Segneanu, A., Berki D., Grozescu I.
93	Priochem-Prorioritatile Chimiei pentru o Dezvoltare Durabila ed. XI, București 29-30 Oct. 2015	Multifunctional hybrid material for wastewater treatment	Damian D., Berki D. Grozescu I., Segneanu A.E.
94	5 th international conference on Ultrafine Grained and Nanostructured Materials, November 11-12, 2015 in Tehran, Iran	Hybrid materials for biomedical applications	Segneanu A.E., Damian D., Vlatanescu N., Grozescu I
95	3rd International Multidisciplinary Microscopy and Microanalysis Congress & Exhibition, Oludeniz Turkey, Oct.19-23, 2015	Advanced techniques in analysis of ancient materials	Segneanu A.E, Damian D., Grozescu I.
96	The 4th International Conference on the Physics of Optical Materials and Devices, 31st August to 4th September 2015 , Budva, Montenegro	Hybrid material organic-inorganic with luminescence properties and biomedical applications	Segneanu A.E., Grozescu I., Damian D., Vasilcsin, C.
97	The 8th International Conference on Advanced Materials: ROCAM București, 07-10 Jul. 2015	New hybrid material with applications in the solar energy area	Vlătanescu N., Berki D., Segneanu A., Damian D.. Grozescu I.
98	The 8th International Conference on Advanced Materials: ROCAM, București, 07-10 Jul. 2015	Synthesis and characterisation of an advanced new composite material for environmental protection	Damian D., Segneanu A.E, Vlătanescu N., Berki D., Hulka I., Grozescu I.
99	APMAS 2017 – 7 th International Advances In Applied Physics and Materials Science Congress & Exhibition, Apr. 22 - 26, Lykia, Oludeniz Mugla, Turkey	Quantifying the absorption of nutrients in sludge using zeolites	Radulov I., Berbecea A., Crista F., Grozescu I, Adina Segneanu

Lucrari comunicate la conferinte nationale

Nr. crt.	Conferința	Titlu articol	Autori
1	Seminar științific „Conformarea uzinelor de apă la directiva CE 98/93/EC privind calitatea apei destinată consumului uman”. UTC București, 16 Oct. 2002	Considerații privind eliminarea clorinării din cadrul tehnologiilor de potabilizare a apei	Mirel, I., Florescu, C., Stăniloiu, C., Segneanu, A.E.
2	A XXVIII-a Conferință Națională de Chimie, Rm. Vâlcea, 6-8 Oct. 2004 , P.S.I.- 43, 139	Determinarea reactivității unor carbonați organici	Simon, M., Csunderlick, C., Tarta-Micle, A., Segneanu, A.E.
3	Timișoara, Zilele Academice, 26-27 Mai, 2005	Sinteze de carbonați micști activi din N,N'-disuccinimidilcarbonat și alcooli benzilici, utilizați drept grupe protectoare pentru amine și aminoacizi	Segneanu, A.E., Milea, M., Pinteș, B., Csunderlick, C.
4	A XXIX-a Conferință Națională de Chimie, Rm. Vâlcea, 3-6 Oct. 2006 ; P.S.I.- 8, 34	Sinteze de carbonați organici nesimetrice din N,N'-succinimidilcarbonat cu aplicații în sinteza peptidelor	Milea, M., Segneanu, A.E., Simon, M., Csunderlick, C.
5	A XXIX-a Conferință Națională de Chimie, Rm. Vâlcea, 3-6 Oct. 2006 ; P.S.I.- 23, 49	Sinteze de carbonați organici nesimetrice din N,N'-difthalimidilcarbonat cu aplicații în sinteza peptidelor	Segneanu, A.E., Milea, M., Simon, M., Csunderlick, C.
6	Timișoara, Zilele Academice, 24-25 Mai, 2007	Reacții de alcocarbonilare la amine și aminoacizi cu carbonați micști de N-succinimidil și N-ftalimidil	Pinteș B., Segneanu A.E., Milea M., Badea V., Csunderlick C.
7	XXX Conferința Națională de Chimie Călimanești-Căciulata, 8-10 Oct. 2008 , P.S.I. 48	Studiu comparativ privind reactivitatea unor serii de carbonați organici reactivi micști cu grupă nucleofugă în sinteze de peptide	Segneanu A.E., Milea M., Balcu I., Mirica M.
8	Conferința Națională de Chimie Călimanești-Căciulata, 8-10 Oct., 2008 , P.S.I. 35	Studiu privind extracției și separarea antocianidinelor	Popescu C., Segneanu A. E., Balcu I., Martagiu R., Vaszilcsin C., Mirica M.
9	Conferința Națională de Chimie Călimanești-Căciulata, 8-10 Oct., 2008 , P.I.S. 63	Studiu asupra extracției și separarea capsaicinelor	C. Vaszilcsin, Segneanu A.E., Martagiu R., Popescu C., Balcu I., Mirica M.
10	Conferința Națională de Chimie Călimanești-Căciulata, 8-10 Oct., 2008 , P.S.I. 62	Considerații asupra metodelor de obținere a bioetanolului	Segneanu A.E., Balcu I., Mirica M., Macarie C.
11	Conferința Națională de Chimie Călimanești-Căciulata, 8-10 Oct., 2008, P.S.I. 63	Studiul implementării directivei 2003/30/EU în România	Segneanu A.E., Balcu I., Mateescu C., Mirica M., Macarie C.
12	XXXII nd Romanian Chemistry Conference, Oct. 2012 , Călimanești-Căciulata, Valcea, Romania, P.S.I.22	Studies on chemical composition of <i>Helleborus puspurascens</i>	Segneanu A.E., Grozescu I., Sfirloaga P., Pop R., Neda I.
13	A XXXIII-a Conferință Națională de Chimie, Căciulata, 01-03 Oct., 2014	Studies on a new food supplement,	Segneanu, A., Scorei, R., Scorei, I., Damian, D., Grozescu, I.
14	A XV-a Conferință internațională multi-disciplinară, „Profesorul Dorin Pavel – fondatorul	Utilizarea nanoparticulelor în managementul apei	Damian D., Grozescu I., Segneanu A

	<i>hidroenergeticii românești</i> ” – Sebeș 2015. Lucrare publicată în Știința și Inginerie vol.28, Ed. Agir București 2015 , ISSN 2067-7138		
15	National symposium with international participation „ <i>Medicinal Plants – Present and perspectives</i> ” 06-09 Sept. 2016 , Piatra Neamț	<i>Curcuma longa</i> – An analytical study	Segneanu A., Damian D., Grozescu I.
16	National symposium with international participation „ <i>Medicinal Plants – Present and perspectives</i> ” 06-09 Sept. 2016 , Piatra Neamț,	<i>Crocus sativus</i> studies on morphostructural analysis	Segneanu A., Damian D., Grozescu I.
17	Conferinței de Inginerie Electrică și Sisteme - „Ștefan Gârlășu” (CIES - SG) Reșița, 3-5 Nov. 2016	Simple Synthesis method for alumina nanoparticle	Damian D., Cziplé F., Segneanu A., Grozescu I.

Brevete de invenție

Nr. crt.	Titlu brevetului	Autori	Nr. brevet
1.	Sistem de protecție anticorozivă	Balcu I., Segneanu A.E., Urmosi Z.G., Macarie A. C., Ivan A. M., Mirica M.C., Iorga M. I.	RO 125388 B1
2.	Inhibitor de coroziune, procedeu de obținere a acestuia și procedeu de acoperire folosind acest Inhibitor	Balcu I., Segneanu A.E., Urmosi Z.G., Macarie A. C., Mirica M. C., Iorga M. I., Vlătanescu V. N., Ivan A. M.	RO 126667 B1
3.	Procedeu de tratare unei biomase lignocelulozice	Segneanu A.E., Balcu I., Mirica M. C., Iorga M. I., Pop R. O., Peter F.	RO 127196 B1

Opere științifice înregistrate la ORDA

Nr. crt.	Titlu brevetului	Autori	Nr. înregistrare
1.	Arhitecturi moleculare fluoropeptidice imunomodulante	Segneanu A.E., Grozescu I.	453-454/22.01.2015
2.	Design of multichromoforre supramolecular architectures with applications in diagnosis and medical imaging Acronim: Bioimage	Segneanu A.E., Grozescu I.	831/03.02.2015

Proiecte de cercetare-dezvoltare

Nr. crt	Proiect de cercetare- dezvoltare	Contract/Program	Responsabilitate in cadrul proiectului
1	Contribuții la obținerea biocombustibililor (etanol, alcooli superiori) prin gazeificarea biomasei lignocelulozice	Contract nr PN 08 33 01 09	Director proiect
2	Studiul obtinerii unor carbonati organici reactivi cu grupă	Contract nr 32 -129/2008 – PN II- Program Parteneriate	Director proiect

	nucleofugă cu aplicații în sinteza dipeptidelor cu activitate biologică		
3	Design inovativ al unor noi sisteme peptidice biologic active cu proprietăți specifice	Proiect Capacitati– Mobilitate internaționala Modul III, Bilateral: Romania - Slovenia: Contract 535/2012	Director proiect
4	Studii privind activitatea și posibilele interactivități ale medicamentelor cu produsele imunomodulatoare naturale	Proiect Capacitati– Mobilitate internaționala Modul III, Bilateral: Romania- China, Contract 628-2012	Director proiect
5	Extracția asistată în câmp de microunde a materialelor organice și anorganice din biomasă	Proiect Capacitati – Mobilitate internaționala Modul III, Bilateral: Romania – Slovacia, Contract 650/2013	Director proiect
6	Contribuții la defosforizarea apelor reziduale prin intermediul tehnologiilor de separare cu membrane	Contract: PN 09-34 03 12/2013	Director proiect
7	Producerea biohidrogenului cu epurarea simultană a apelor uzate, utilizând un consorțiu bacterian mixt anaerob îmbogățit selectiv (BIOSIM)	Proiect PCCA-I PNII - Contract 49/2012	Responsabil partener
8	Influența temperaturii și a presiunii înalte în compuși pe bază de Fe cu ordonare de sarcină	Programul: IDEI, Tipul proiectului: Colaborare Romania-Franta ANR-ANCS, Proiect nr.8, cod proiect: PN-II-ID-JRP-2011-2-0056	membru echipa
9	Tehnologii cost-efective de obținere a structurilor miez-inveliș în bază de ZnO și TiO ₂ pentru aplicații optoelectronice	Proiect Capacitati –Mobilitate internaționala Modul III, Bilateral: Romania – Moldova: Contract 688/2013	membru echipa
10	Zeoliti funcționalizați cu TiO ₂ în procese de tratare a apelor uzate și protecția mediului	Proiect Capacitati –Mobilitate internaționala Modul III, Bilateral: Romania – Austria, Contract 558/ 2012	membru echipa
11	Arhitecturi moleculare fluoroglicopeptidice imunomodulante	Proiect PN Idei - Contract 341/01.10.2011	membru echipa
12	Tehnologie modernă pentru creșterea durabilității construcțiilor metalice	Contract nr PN II 31-099/2007	membru echipa
13	Suplimente alimentare hipoglicemice și antioxidante de structură antocianidinică	Contract nr. 52-145 / 2008 – PN II Program Parteneriate	membru echipa
14	Metode și tehnologii inovative de gestionare și denocivizare a deșeurilor periculoase și tratare a levigatelor cu conținut de elemente toxice, provenite din metalurgia metalelor neferoase grele	Contract nr 31-073/2007- PN II Program Parteneriate	membru echipa
15	Stație autonomă de monitorizare cu aplicații în domeniul energiei fotovoltaice și al protecției mediului	Contract nr. 22101/2008 – PN II Program Parteneriate	membru echipa
16	Biocombustibili obținuți prin valorificarea deșeurilor celulozice într-un sistem integrat chimico-enzimatic	Contract nr. 21-077/2007 – PN II Program Parteneriate	membru echipa
17	N,N'-disuccinimidil-carbonat, un potențial reactiv în sinteza organică fină de carbonați nesimetrice reactivi utilizați la protejarea grupelor amino din aminoacizi în vederea sintezei de peptide	Grant de tip A, cod CNCSIS 336, tema 10/2006	membru echipa
18	Bis(o-nitrofenil)carbonatul, un potențial reactiv în sinteza organică fină modernă inclusiv chimia combinatorică și sinteze asimetrice (sinteze de carbonați și policarbonați, carbamați, oxazolidinone)	Contract nr.35533/2004	membru echipa
19	Contribuții la utilizarea alcoolilor alifatici ca sursă de energie	Contract nr. PN 07 33 01 03	membru echipa

20	Contribuții la utilizari ale metalelor recuperate din baterii și acumulatori epuizati	Contract nr. PN 07 33 02 03	membru echipa
21	Studiul cineticii proceselor de electrod la recuperarea prin electrodepunere a ionilor metalici din solutie	Contract nr.PN 07 33 02 04	membru echipa
22	Monitorizarea prin mijloace de detecție electrochimică a impactului asupra mediului inconjurator a pesticidelor înglobate în diferite compoziții fertilizante	Contract nr.PN 08 33 02 05	membru echipa
23	Studiul transferului de masă în cazuri particulare de electrozi în procesul de electrodepunere	Contract nr.PN 08 33 02 07	membru echipa
24	Studiul depunerii electrochimice de heterociclici pirolici pe substrat metalic în scopul obținerii de electrozi cu proprietăți catalitice	Contract nr.PN 08 33 03 02	membru echipa
25	Caracterizarea comparativă a depunerilor obținute prin diferite metode de intensificare a transferului de masă la electrod	Contract nr.PN 09 34 03 03	membru echipa
26	Contribuții la recuperarea fierului din cenușa de termocentrala cu aplicatii în utilizarea magnetitei în reținerea/ îndepărtarea arsenului și a compușilor săi din ape potabile și reziduale	Contract nr.PN 09 34 0304	membru echipa
27	Sinteze electroorganice mediate cu obținere de compuși utilizați în industria farmaceutică	Contract nr.PN 09 34 01 03	membru echipa
28	Sinteza și caracterizarea unor salicilamide O-substituite- noi compuși potențial biologic activi	Contract nr.34N/2009, AAD 7/2012, AAD 16/2014	membru echipa
29	Noi materiale oxidice multifuncționale de tipul $A^{II}B_2^{III}O_4$ cu proprietăți selective și aplicatii în detecția și monitorizarea emisiilor de gaze	Contract nr.PN 09 34 03 08	membru echipa
30	Studii privind sinteza și caracterizarea de compusi binari pe bază de SnTE cu proprietăți termoelectrice avansate	Contract nr.PN 09 33 02 06	membru echipa
31	Tehnici și metode electrochimice moderne de determinare a vitezei de coroziune pentru diferite tratamente aplicate suprafețelor metalice	Contract nr.PN 09 34 04 02	membru echipa
32	Comportamentul electrochimic al electrozilor modificați cu derivați porfirinici meso-substituiți și aplicațiile analitice ale acestora	Contract nr.PN 09 34 04 04	membru echipa
33	Studii privind funcționalizarea capsaicinelor prin electroliză	Contract nr PN 09-34 04 03	membru echipa
34	Studii asupra procesului de hidroliză a deșeurilor de polietilen tereftalat	Contract nr.PN 09-34 03 07	membru echipa
35	Studiul unor combustibili utilizați în instalațiile mari de ardere pentru producerea energiei electrice și termice în scopul reducerii efectelor produse asupra mediului înconjurător	Contract nr.PN 09-340311; 34N/2009, AAD 12/2013	membru echipa
36	Studii privind utilizarea unor materiale zeolitice funcționalizate ca și fertilizatori ecologici	Contract nr.PN093403 06	membru echipa

37	Noi oxizi ai metalelor de tranzitie obtinuti prin metoda hidrotermală in camp ultrasonic; materiale termoelectrice avansate	Contract nr. PN-093403	membru echipa
38	Tehnologia obținerii ZnO prin metoda hidrotermală și a nanostructurilor pe baza de oxid de zinc pentru fabricarea dispozitivelor optoelectronice	Proiect Capacitati –Mobilitate internationala Modul III, Bilateral: Romania – Moldova Contract 422/2010	membru echipa
39	Design of cromophore systems with specific properties and applications in medicine as biomarkers and antitumoral agents	PN-II-ID-WE-2012-4-171	Workshop Co-Chairs
40	Cercetari avansate privind dezvoltarea de metode și tehnici rapide pentru detectia pesticidelor din lanțul alimentar	Contract PN-II-PT-PCCA-177/2014	membru echipa

Citari in reviste ISI

Nr.crt.	Titlu articol citat	Revista care citeaza	IF revista care citeaza	Nr. citari/articol
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TOTAL			179	66

Cereri de brevet inregistrate la OSIM

Nr. crt.	Titlu descrierii	Autori	Nr. cererii
1.	Materiale protectoare impotriva radiatiilor	Bica I., Segneanu A., Bobica A., Vatzulik B., Chirigiu L., Grozescu I.	A/007771/2016
2.	Echipament si procedeu pentru producere de nanomicroparticule magnetizabile sferice din zgura metalurgica	Bica I., Segneanu A., Bobica A., Vatzulik B., Chirigiu L., Grozescu I.	A/007772/2016
3.	Material hibrid si procedeu de recuperare a nutrientilor din apele uzate si reutilizarea ca fertilizant	Segneanu A., Bobica A., Segneanu E., Damian D., Grozescu I.	A/00078/25.04.2017
4.	Procedeu de obtinere a unor carbonati mixti/asimetrici	Segneanu A., Pop R., Martagiu R., Balcu I., Mirica M., Iorga M., Macarie C., Vaszilcsin C.	A/00620/2010
5.	Procedeu de obtinere a unui carbonat simetric cu grupa nucleofuga	Segneanu A., Pop R., Martagiu R., Balcu I., Mirica M. C., Iorga M., Macarie C., Vaszilcsin C., Milea M.	A/00259/2010
6.	Procedeu de obtinere a unor carbamați	Segneanu A., Balcu I., Macarie C., Pop R., Vaszilcsin C., Milea M.	A/01252/2010
7.	Procedeu modern de extractive a diferitelor clase de compusi	Segneanu A., Macarie A. C., Balcu I., Grozescu I.	A/00347/2011
8.	Procedeu modern de obtinere a unor dipeptide	Segneanu A., Macarie A.C., Grozescu I., Milea M.S.	A1282/2011
9.	Supliment alimentar natural, Scardica sideritis/ clinoptilolit	Segneanu A., Scorei R. I., Grozescu I., Stanescu C.	A/00786/2013
10	Material hibrid si procedeu de recuperare a fosforului din apele uzate si reutilizarea ca fertilizant	Segneanu A.E, Segneanu E., Gherman V.D, Scorei I.R., Grozescu I.	A00604/07.08.2014

Premii si distinctii obtinute

- **Medalia de aur, Geneva 2015;**
- **Premiu special-Medalie de aur a Incubator of Inventions Rusia- Geneva 2015**
- **Diploma de excelenta la Salonul International de Inventica Pro Invent, Ed. XIV 2016, Cluj-Napoca Romania de la Societatea Inventatorilor din Banat Timisoara** pentru Material hibrid de tip ZAZ pentru epurarea avansata a apelor uzate, autori: **Segneanu A.E**, Segneanu E., Damian D, Grozescu I
- **Premiul special oferit de ISIM** in cadrul Salonului International de Inventica si Inovatii Traian Vuia Timisoara **2015** pentru cererea de brevet "Supliment alimentar natural vasc/zeolit", autori: **Segneanu A.E**, Segneanu E., Damian D, Scorei I.R., Grozescu I.
- **3 Medalii de aur**, Salon International de Inventica si Inovatii Traian Vuia Timisoara **2016**
- **5 Medalii de aur**, Salon International de Inventica si Inovatii Traian Vuia Timisoara **2019**
- **3 Medalii de aur**, Salon International de Inventica si Inovatii Traian Vuia Timisoara **2015**
- **Diploma de excelenta** oferita de Spitalul Judetean de Urgente "Pius Brinzeu" Timisoara in cadrul Salonului International de Inventica si Inovatii Traian Vuia Timisoara 2015 pentru cererea de brevet "Material hibrid si procedeu de recuperare a fosforului din apele uzate si reutilizarea ca fertilizant A00604/07.08.2014, autori: **Segneanu A.E**, Segneanu E., Gherman V.D, Scorei I.R., Grozescu I,"
- **Premiu special si cupa** oferita de Universitatea de Medicina si Farmacie "Victor Babes" Timisoara in cadrul Salonului International de Inventica si Inovatii Traian Vuia Timisoara 2015 pentru cererea de brevet "Supliment alimentar natural, Scardica Sideritis/Clinoptilolit, A/00786/2013, autori: Segneanu A.E., Scorei R.I., Grozescu I., Stanescu C.D.,"
- **Medalia de aur, Innova Eureka Bruxelles 2014;**
- **Medalie de aur, Geneva 2013;**
- **Medalia de bronz INVENTICA 2011;**

Adina-Elena SEGNEANU

- **Premiul I** pentru lucrarea comunicata “*Oxidative degradation of Antibiotics Ampicillin and Penicillin G type from water using the photo-fenton procedure modified by in-situ Fe²⁺ catalyst generation*” la 8th International Conference on Water Reclamation & Reuse, Barcelona, 26-29 Septembrie 2011;
- **Articolul** “Utilizarea *N,N'*-difitalimidil-carbonatului în sinteze de carbonați organici nesimetrice cu aplicații în sinteza peptidelor”, autori: Segneanu, A.E, Milea, M., Simon, M., Csunderlik, C., aparut in anul 2008 la Rev. Chim., vol. 59, nr.5, 575 - a fost premiat de CNCSIS in 2009, cod 145, pozitie 871.
- **Articolul** “Effect of a modified photo-Fenton procedure on the oxidative degradation of antibiotics in aqueous solutions”, authors: Orbeci, C., Nechifor, G., Segneanu A., Craciun, M.E., la Separation and Purification Technology, Vol. 122, 10 February 2014, pp. 290–296 was awarded in **2014** by UEFISCI **cod PN-II-RU-PRECISI- 2014-8-6996**

Afilieri la asociatii stiintifice de prestigiu:

- American Chemical Society;
- Society for Medicinal and Natural Product Research;
- Societatea Romana de Chimie;
- Societatea Romana de Fizica
- European Physics Society
- Societatea Inventatorilor din Romania- filiala Banat-**membru fondator**;
- Societatea de Electrochimie Aplicata – **membru fondator**.
- Societatea de Flebologie Romania
- Asociatia generala a Inginerilor din Romania (**AGIR**)
- Romanian Water Association (**ARA**)
- Societatea Inventatorilor din Banat – **membru fondator**
- Societatea Romana de Tehnologii Neconventionale (**ARTN**)
- Societatea de Materiale Avansate- **AGIR – membru fondator**
- Societatea Experților Tehnici Extrajudiciari și Consultanți, **SETEC-AGIR**

Altele:

- **Vicepresedinte Societatea de Materiale Avansate- AGIR**
- **Expert Asociatia Tehimpuls Timisoara din partea AGIR**

- **Membru in comitetul de organizare** al Salonului International de Inventii si Inovatii Traian Vuia Timisoara, 11-13 iunie 2015 Timisoara
- **Membru in comitetul de organizare al workshopului international cu tema:** “*Tehnici si Metodologii Inovatoare pentru Epurarea Apei Uzate*” in data 13 iunie 2015 organizat in cadrul Salonului International de Inventica si Inovatii Traian Vuia Timisoara, 2015
- **Membru in comitetul de organizare** al The XIII Romanian Congress of Phlebology with International Participation, 2 – 4 October 2014, Timisoara – Romania
- **Membru in comitetul de organizare - workshop co-chair** - al Workshopului International - International Workshop: *Design of chromophore systems with specific properties and applications in medicine as biomarkers and antitumoral agents*, April, 18-19, **2013**, Timisoara, Romania
- **Membru in review board:** Asian Journal of Engineering and Technology,
- **Editorial Board member** - American Association for Science and Technology
- **Executor editor** - Gavin Journal of Food and Nutritional Science
- **Editorial Board member** - Journal of Diseases and Medicinal Plants(JDMP)
- **Reviewer la:**
 - International Journal of Agricultural Policy and Research
 - BioResources Journal
 - Issues in Biological Sciences and Pharmaceutical Research
 - Gavin Journal of Food and Nutritional Science
 - Bentham Science Publishers
 - Achieves of Current Research International
 - Journal of Fungi, Basel
 - Amino Acids

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Dr. Adina Segneanu

