

CONTRIBUTIA STIINTIFICA

A. **Teza de doctorat:** "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;

B. **Capitole de carte publicate international:**

Nr. crt.	Editura	Titlul	Autori
1	Progress in Biomass and Bioenergy Production" edited by Syed Shahid Shaukat, ISBN 978-953-307-491-7, InTech, July 7, 2011	Combined Microwave- Acid Pretreatment of the Biomass	Balcu I., Macarie C., Segneanu A.E., Pop R.
2	Corrosion Resistance Ed.by Hong Shih, ISBN 978-953-51-0467-4, InTech, March 3, 2012	Comparative Study of Porphyrin Systems Used as Corrosion Inhibitors	Segneanu A.E., Balcu I., Vlatanescu N., Urmosi Z. Macarie C.A.
3	Macro To Nano Spectroscopy Ed. by Jamal Uddin, ISBN 978-953-51-0664-7, InTech, June 6, 2012	Organic Compounds FT-IR Spectroscopy	Segneanu A.E., Dabici A., Gozescu I., Sfirloaga P., Szabadai Z.
4	Analytical Chemistry, Ed. by Ira S. Krull, ISBN 978-953-51-0837-5, Publisher: InTech, November 07, 2012	Peptide and Amino Acids Separation and Identification from Natural Products	Neda I., Vlazan P., Pop R., Sfirloaga P., Grozescu I., Segneanu A.E.
5	Environmental and Industrial Corrosion-Practical and Theoretical Aspects edited by Benjamin Valdez Salas and Michael Schorr, ISBN 978-953-51-0877-1, InTech, December 12, 2012	A Comparative Study Between Different Corrosion Protection Layers	Segneanu A.E., Balcu I., Sfirloaga P., Vlatanescu N., Grozescu I.
6	Water Treatment edited by Walid Elshorbagy and Rezaul Kabir Chowdhury, ISBN 978-953-51-0928-0, InTech, January 1, 2013	Waste Water Treatment Methods	Segneanu A.E., Orbeci C., Lazau C., Sfirloaga P., Vlazan P., Bandas C., Grozescu I.
7	Biomass Now - Sustainable Growth and Use edited by Miodrag Darko Matovic, ISBN 978- 953-51-1105-4, InTech, April 4, 2013	Biomass Extraction Methods	Segneanu A. E., Cziple F., Vlazan P., Sfirloaga P., Grozescu I., Gherman V.
8	Amino Acid - New Insights and Roles in Plant and Animal, Edited by Toshiki Asao and Md. Asaduzzaman, ISBN 978-953-51-3242-4, Print ISBN 978-953-51-3241-7, 292 pages, Publisher: InTech, Chapters published June 28, 2017, DOI: 10.5772/66064	Bioactive Molecules Profile from Natural Compounds	A. E. Segneanu, Velciov S., Olariu S., Cziple F., Damian D., Grozescu I.,

C. 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 obținerii unor carbonati organici reactivi cu grupa nucleofuga cu aplicatii in sinteza dipeptidelor cu activitate biologica	Contract nr 32 -129/2008 – PN II- Program Parteneriate	Director proiect
3	Design inovativ al unor noi sisteme peptidice cu proprietati biologice active cu proprietati specifice	Proiect Capacitati– Mobilitate internationala Modul III, Bilateral: Romania - Slovenia: Contract 535/2012	Director proiect
4	Studii privind activitatea și posibilele interactivității ale medicamentelor cu produsele imunomodulatoare naturale	Proiect Capacitati– Mobilitate internationala Modul III, Bilateral: Romania- China - Contract 628-2012	Director proiect
5	Extractia asistata in camp de microunde a materialelor organice si anorganice din biomasa	Proiect Capacitati – Mobilitate internationala Modul III, Bilateral: Romania - Slovacia –Contract 650/2013	Director proiect
6	Contributii 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, utilizand un consorțiu bacterian mixt anaerob îmbogățit selectiv (BIOSIM)	Proiect PCCA-I PNII - Contract 49/2012	Responsabil partener
8	Influenta temperaturii si a presiunii inalte in compusi pe baza de Fe cu ordonare de sarcina	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 si TiO ₂ pentru aplicații optoelectronice	Proiect Capacitati –Mobilitate internationala Modul III, Bilateral: Romania – Moldova: Contract 688/2013	membru echipa
10	Zeoliti functionalizati cu TiO ₂ in procese de tratare a apelor uzate si protectia mediului	Proiect Capacitati –Mobilitate internationala 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 hipoglicemizante si antioxidante de structura antocianidinica	Contract nr. 52-145 / 2008 – PN II Program Parteneriate	membru echipa
14	Metode si tehnologii inovative de gestionare si denocivizare a deseurilor periculoase si tratare a levigatelor cu continut de elemente toxice, provenite din metalurgia metalelor neferoase grele	Contract nr 31-073/2007- PNII 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 obtinuti prin valorificarea deseurilor celulozice intr-un sistem integrat chimico-enzimatic	Contract nr. 21-077/2007 – PN II Program Parteneriate	membru echipa
17	N,N'-disuccinimidil-carbonat, un potential reactiv in sinteza organica fina de carbonati nesimetrice reactivi utilizati la protejarea grupelor	Grant de tip A, cod CNCSIS 336, tema 10/2006	membru echipa

	amino din aminoacizi in vederea sintezei de peptide		
18	Bis(o-nitrofenil)carbonatul, un potential reactiv in sinteza organica fina moderna inclusiv chimia combinatorica si sinteze asimetrice (sinteze de carbonati si policarbonati, carbamati, 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 si 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 detectie electrochimica a impactului asupra mediului inconjurator a pesticidelor inglobate in diferite compozitii fertilizante	Contract nr. PN 08 33 02 05	membru echipa
23	Studiul transferului de masa in cazuri particulare de electrozi in procesul de electrodepunere	Contract nr. PN 08 33 02 07	membru echipa
24	Studiul depunerii electrochimice de heterociclici pirolici pe substrat metalic in scopul obtinerii de electrozi cu proprietati 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 si caracterizarea unor salicilamide O-substituite- noi compusi potential 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 si caracterizarea de compusi binari pe baza de SnTE cu proprietati 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	Comportamentului 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 in scopul reducerii efectelor produse asupra mediului înconjurător	Contract nr. PN 09-34 03 11; 34 N/2009, AAD 12/2013	membru echipa
36	Studii privind utilizarea unor materiale zeolitice functionalizate ca si fertilizatori ecologici	Contract nr. PN 09 34 03 06	membru echipa

37	Noi oxizi ai metalelor de tranzitie obtinuti prin metoda hidrotermala/hidrotermala in camp ultrasonic; materiale termoelectrice avansate	Contract nr. PN-093403	membru echipa
38	Tehnologia obtinerii ZnO prin metoda hidrotermala si 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 chromophore 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 si tehnici rapide pentru detectia pesticidelor din lantul alimentar	Contract PN-II-PT-PCCA-177/2014	membru echipa

D. Lucrari stiintifice publicate in reviste cotate ISI

Nr. Crt.	Revista	Titlu articol	Autori	Factor ISI
1.	2016, Amino Acids, Vol. 48 (3) pp 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.	3.196
2.	2014, Digest Journal of Nanomaterials and Biostructures, Vol. 9 (2) p. 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.	1.092
3.	2014, Separation and Purification Technology, Vol. 122, pp. 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.	2.894
4.	2013, Digest Journal of Nanomaterials and Biostructures, Vol. 8(4), 2013, pp. 1423-1433	The influence of extraction process parameters of some biomaterials precursors from Helianthus annuus	Segneanu A.E., Grozescu I., Sfirloaga P.	1.092
5.	2013, Digest Journal of Nanomaterials and Biostructures, Vol.8 (3), pp. 1061-1068	Comparative study on enzymatic hydrolysis of cellulose	Segneanu A.E., Macarie C., Ungureanu M., Gherman V., Grozescu I.	1.092
6.	Environmental Engineering and Management Journal, 2013, Vol. 12 (5), pp. 1071-1077	Hybrid materials for the removal of organic compounds from water	Segneanu A.E., Bandas C., Grozescu I., Cziple F., Slavici T., Sfirloaga P.	1.092
7.	2013, Revista de Chimie vol 64 (3), pp. 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.	0.540
8.	2012, Digest Journal of Nanomaterials and Biostructures, Vol. 7(2), pp.729-736	Antioxidant capacity of Camellia sinensis extracts	Segneanu A.E., Viatanescu N., Vaszilcsin, C., Macarie C., Grozescu I.	1.200
9.	2012, Digest Journal of Nanomaterials and Biostructures, Vol.7(4), pp. 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.	1.200

10.	2012, Optoelectronics and Advanced Materials, Rapid Communications, Vol.6(5-6), pp. 652-655	Comparative analytical study of active compounds from zingiber officinale	Segneanu A.E., Zuguang Y., Dabici A., Jianrong L., Grozescu I.	0.402
11.	2012, Optoelectronics and Advanced Materials, Rapid Communications, 6 (5-6), pp. 656-659	New series of asymmetrical carbonates used in peptide synthesis	Segneanu A.E., Milea M., Grozescu I.	0.402
12.	2012, Digest Journal of Nanomaterials and Biostructures, 7 (1), pp. 199-205	Characterisation of truffles using electrochemical and analytical methods	Segneanu A.E., Sfirloaga P., David I., Balcu I., Grozescu I.	1.200
13.	2012, Environmental Engineering and Management Journal, 11 (1), pp. 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
14.	2012, Optoelectronics and Advanced Materials, Rapid Communications, 6 (1-2), pp. 197-199	Synthesis of a new symmetric carbonate with leaving group	Segneanu A.E., Milea M., Grozescu I.	0.402
15.	2011, Environmental Engineering and Management Journal, 10 (5), pp. 697-701	Separation and characterization of anthocyanins by analytical and electrochemical methods	Popescu C., Fitigau F., Segneanu A.E., Martagiu R., Vaszilcsin C.G.	1.004
16.	2010, Environmental Engineering and Management Journal, 9 (8), pp. 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
17.	2010, Environmental Engineering and Management Journal, 9 (7), pp. 971-976	Eco-friendly extraction and separation methods of capsaicines	Vaszilcsin C., Segneanu A.E., Balcu I., Fitigau F., Mirica M.	1.435
18.	2009, Environmental Engineering and Management Journal, 8 (4), pp. 741-746	Microwaves effect over biomass hydrolysis	Balcu I., Segneanu A.E., Mirica M., Macarie C., Martagiu R.	0.885
19.	2009, Environmental Engineering and Management Journal, 8 (4), pp. 895-900	Iron oxides from electrofilter ash for water treatment (arsenic removal)	Balcu I., Segneanu A., Mirica M., Badea C., Fitigau F.	0.885
20.	2009, Environmental Engineering and Management Journal, 8 (4), pp. 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
21.	2009, Environmental Engineering and Management Journal, 8 (4), pp. 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
22.	2009, Environmental Engineering and Management Journal, 8 (4), pp. 765-769	Anticorrosive protection system based on nanocomposites	Balcu I., Segneanu A.E., Mirica M., Macarie C., Popa, I.	0.885
23.	2008, Revista de Chimie, 59 (5), pp. 575-577	Utilizarea N,N'-diftalimidilcarbonatului în sinteze de carbonați organici nesimetrice cu aplicații în sinteza peptidelor [N,N'-diftalimidilcarbonate used in synthesis of unsymmetrical organic carbonates with applications in peptide synthesis]	Segneanu A.E., Milea M., Simon M., Csunderlik C.	0.260
24.	2007, Revista de Chimie, 58 (10), pp. 927-931	Utilizarea carbonaților micști de N-succinimidil la protejarea grupelor amino din amine și aminoacizi/[Using of N-	Segneanu A.E., Milea M., Badea V., Csunderlik, C.	0.260

		succinimidil mixed carbonates to protect amino groups from amin and amino-acids]		
25.	2007, Revista de Chimie, 58 (7), pp. 659-663	Reacții de alcoxicarbonilare la amine și aminoacizi cu carbonați micști de N-ftalimidil [Alcoxicarbonilation reactions at amino and aminoacids with mixt N-phthalimidylcarbonates]	Segneanu A.E, Milea M., Badea V., Csunderlik, C.	0.260
26.	2007, Revista de Chimie, 58 (6), pp. 542-546	Sinteze de carbonați organici nesimetrice din N,N'- succinimidilcarbonat și alcooli/[Unsytmetrical organic carbonates synthesis from N,N'- succinimidilcarbonat and alcohols]	Segneanu A.E, Milea M., Simon M., Csunderlik C.	0.260
27.	2006, Revista de Chimie, 57 (7), pp. 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/ N,N'-disuccinimidyl-carbonate, a potential reagent in fine organic synthesis of reactive asymmetrical carbonates, used to protect amino groups from aminoacids for peptides synthesis]	Segneanu A.E, Milea M., Pintea B., Simon M., Csunderlik C.	0.290
Factor ISI cumulat				26,71

E. Lucrari stiintifice comunicate la manifestari stiintifice internationale

Nr. Crt.	Conferinta	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 cu participare internațională	Carabet A., Podoleanu C., Beilicci R., Gheorghe A., Beilicci E., Segneanu A.E
2	Timișoara, Conferința Internațională de Chimie și Inginerie Chimică, 28-30 Mai, 2008, P.S.I.-111	Influența diversilor factori asupra reacției de oxidare a etanolului prin voltametrie ciclică	Balcu, I., Vlatanescu, N., Macarie, C., Segneanu A.E
3	Timișoara, Conferința Internațională de Chimie și Inginerie Chimică, 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	Microwaves effect over biomass hidrolisis	Balcu I., Segneanu A.E., Mirica M.C., Iorga

	and Engineering February 26-28 February, 2009, Brasov, P.6.14		M.I., Macarie C., Martagiu R.
6	International Conference on Materials Science and Engineering February 26-28 February, 2009, Brasov, 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 February 26-28 February, 2009, Brasov, 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 February 26-28 February, 2009, Brasov, 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 February 26-28 February, 2009, Brasov, 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", 13-16 May 2009, Constanta, 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", 13-16 May 2009, Constanta, 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", 13-16 May 2009, Constanta, 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", 13-16 May 2009, Constanta, 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", 13-16 May 2009, Constanta, 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", 13-16 May 2009, Constanta, 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", 13-16 May 2009, Constanta, 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", 13-16 May 2009, Constanta, PD24	Anthocyanins studies by analytical and electrochemical methods	Popescu C., Segneanu A.E., Maties M., Balcu I., Martagiu R., Vaszilcsin C.
18	International Conference "New trends in applied chemistry", 13-16 May 2009, Constanta, PD25	Anthocyanins profile of Vaccinium Myrtillus alcoholic extracts reveled 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", 13-16 May 2009, Constanta, 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", 13-16 May 2009, Constanta, 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", 13-16 May 2009, Constanta, 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", 13-16 May 2009, Constanta, PE9	Municipal wastes management – a biofuels reserves	Balcu I., Segneanu A.E., Macarie C., Martagiu R
23	International Conference "New trends in applied chemistry", 13-16 May 2009, Constanta, 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", 6-10 Juillet 2009, Sinaia, 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", 6-10 Juillet 2009, Sinaia, 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", 6-10 Juillet 2009, Sinaia, 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 Juillet 2009, Sinaia, 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", 6-10 Juillet 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", 6-10 Juillet 2009, Sinaia, 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", 6-10 Juillet 2009, Sinaia, 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", 6-10 Juillet 2009, Sinaia, 9-P-34	Study of multifunctional nanocomposites (porphyrin system) used as corrosion inhibitors	Balcu I., Segneanu A.E., Macarie C., Vlatanescu V., Taranu B., Ivan A.
32	"Journées d'Electrochimie", 6-10 Juillet 2009, Sinaia, 9-P-35	The using of phosphogyps as anticorrosive-protection system	Vlatanescu N., Balcu I., Segneanu A.E., Macarie C., Vaszilcsin C., Martagiu R.
33	International Symposium "The Environment and Industry", 28-30 October 2009, Bucharest, 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 Industry", 28-30 October 2009, Bucharest, I.P.15	Industrial waste water treatment by electrofotocoagulation method	Segneanu A.E., Buzatu D., Iorga M., Mirica M.C., Vaszilcsin C., Fitigau F.
35	6th International Conf. Integrated Systems for Agri-food Production –SIPA'09, Nyiregyhaza, Hungary, November 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, November 12-14, 2009	Study of 2003/30/eu directive implementation in Romania	Segneanu A.E., Balcu I., Mnerie D., Macarie C., Popescu C., Fitigau F., Urmosi Z.
37	6th International Conference Integrated Systems for Agri-food Production –SIPA'09, Nyiregyhaza, Hungary, November 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., Fitigau F., Martagiu R.
38	PRIOCHEM – editia a V-a, 29-30 Octombrie 2009, Sinaia, P1-24	Analiza prin GC-MS a unor compusi bioactivi din uleiuri volatile	Macarie C., Segneanu A.E., Fitigau F., Vlatanescu N., Martagiu R., Balcu I., Popescu C., Vaszilcsin C.
39	PRIOCHEM – editia a V-a, , 29-30 Octombrie	Determinari spectroscopice si cromatografice	Martagiu R., Vlatanescu N., Macarie C.,

	2009, Sinaia, P1-25	privind identificarea vitaminei C din <i>Rosa canina</i>	Segneanu A.E., Damian D., Balcu I., Popescu C., Fitigau F.
40	PRIOCHEM – editia a V-a, 29-30 Octombrie 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., Fitigau F., Popescu C., Balcu I., Pop R.
41	PRIOCHEM – editia a V-a, 29-30 Octombrie 2009, Sinaia, 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., Fitigau F., Popescu C., Pop R.
42	PRIOCHEM – editia a V-a, , 29-30 Octombrie 2009, Sinaia, P1-19	Studiul comparativ asupra determinarii continutului de cafeina din varietatile de <i>Camellia sinensis</i> si <i>Aspalathus linearis</i> (Rooibos)	Vlatanescu N., Vaszilcsin C., Fitigau F., Popescu C., Segneanu A.E., Balcu I., Macarie C., Damian D.
43	PRIOCHEM – editia a V-a, P3-23, 29-30 Octombrie 2009, Sinaia, 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 – editia a V-a, 29-30 Octombrie 2009, Sinaia, P2-09	Caracterizarea pesticidelor organoclorurate prin metode de analiza fizico-chimice	Segneanu A.E., Macarie C., Fitigau F., Popescu C., Balcu I., Pop R., Vaszilcsin C.
45	PRIOCHEM – editia a V-a, 29-30 Octombrie 2009, Sinaia, P1-21	Caracterizarea unor derivati petrolieri prin GS-MS si spectroscopie de FT-IR	Balcu I., Fitigau F., Popescu C., Segneanu A.E., Pop R., Vaszilcsin C., Macarie C. A., Mirica M.C
46	PRIOCHEM – editia a V-a, , 29-30 Octombrie 2009, Sinaia, P1-22	Determinarea metalelor grele din coaja citricelor prin spectroscopie de absorbtie atomic si cromatografie	Fitigau F., Popescu C., Macarie C., Segneanu A.E., Balcu I., Pop R., Vaszilcsin C., Urmosi Z.
47	PRIOCHEM – editia a V-a, 29-30 Octombrie 2009, Sinaia, P1-23	Identificarea compusilor adsorbiti pe filtrele cu carbine activ	Balcu I., Segneanu A.E., Macarie C., Fitigau 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, May 27-29, 2010, Timisoara, P.314	HPLC Chromatographic Analysis on <i>Sambucus ebulus</i> Chemical Composition	Fitigau F., Segneanu A.E., Balcu I., Martagiu R., Vaszilcsin C.G
50	2nd International Conference on Chemistry and Chemical Engineering, May 27-29, 2010, Timisoara, P.315	Determination of Caffeine Content in <i>Camellia sinensis</i> by two methods: FT-IR and UV-VIS spectroscopy	Vlatanescu N., Segneanu A.E., Balcu I., Vaszilcsin C.G., Martagiu R., Fitigau F.
51	The XVI th Edition 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 Timisoara (BUASVMT), 3-4 June 2010, Romania, 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., Vlatanescu N., Vaszilcsin C., David I
52	First International Conference Analytical and	Synthesis of a new symmetriv carbonate with	Segneanu A.E., Macarie C., Balcu I.,

	Nanoanalytical Methods for biomedical and Environmental Sciences IC- ANMBES 2010, June 18-20, Brasov, PE 16	leaving group	Martagiu R., Milea M., Pop R.
53	First International Conference Analytical and Nanoanalytical Methods for biomedical and Env. Sciences IC- ANMBES 2010, June 18-20, Brasov, 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 Nanoanalytical Methods for biomedical and Environmental Sciences IC- ANMBES 2010, June 18-20, Brasov, PE 17	Pesticides microencapsulation-a new conditioning metyhod	Macarie C., Segneanu A.E., Balcu I., Fitigau F., Badea C
55	First International Conference Analytical and Nanoanalytical Methods for biomedical and Environmental Sciences IC- ANMBES 2010, June 18-20, Brasov, PE 17	New microorganism's consortium for bioethanol	Macarie C., Segneanu A.E., Balcu I., Burtica G., Badea C. Gherman V., Fitigau F.
56	Workshop, Challenges in Food chemistry 2010, 28-29 May, Constanta, P12	Mandarin essential oil analysis by GS/MS techniques	Macarie C., Fitigau F., Vaszilcsin C., Balcu I., Segneanu A.E., Martagiu R., Vlatanescu N.
57	Workshop, Challenges in Food chemistry 2010, 28-29 May, Constanta, P13	Chromatographic analysis and the influence of heavy metal on tyme and basil essential oils	Vaszilcsin C., Fitigau F., Segneanu A.E., Balcu I., Martagiu R., Vlatanescu N.V., Damian D.
58	Workshop, Challenges in Food chemistry 2010, 28-29 May, Constanta, P14	Chromatographic analysis of chamomille extracts	Damian D., Vlatanescu N., Martagiu R., Fitigau F., Segneanu A.E., Balcu I., Macarie C.
59	Workshop, Challenges in Food chemistry 2010, 28-29 May, Constanta, P15	Chromatographic and spectrometric analysis of mint compounds	Fitigau F., Vaszilcsin C., Segneanu A.E., Balcu I., Martagiu R., Vlatanescu N., Macarie C.
60	Workshop, Challenges in Food chemistry 2010, 28-29 May, Constanta, P16	Alkaloids determination in some Chelidonium Majus L. species	Martagiu R., Fitigau F., Vlatanescu N., Damian D., Segneanu A.E., Balcu I., Vaszilcsin C.
61	Workshop, Challenges in Food chemistry 2010, 28-29 May, Constanta, P17	Comparison between clove and cinnamon extracts by chromatographic methods	Segneanu A.E., Fitigau F., Vaszilcsin C., Balcu I., Martagiu R., Vlatanescu N., Macarie C.
62	Workshop, Challenges in Food chemistry 2010, 28-29 May, Constanta, P18	Comparative studies of the Panax Ginseng antioxidant capacity	Vlatanescu 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	Characterization and testting of nanosized corrosion inhibitors	Balcu I., Urmosi Z., Mirica M., Segneanu A.E., Macarie C., Iorga M.

	ECCE-7, 2010, Praga, P1 200		
65	International Conference on Healthy Nutrition and Public Health IC-HNPH – 2011, Brasov, May 13-16, 2011, P.3.26	Study on Extraction and Separation of Zingiber 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, Brasov, May 13-16, 2011, P.3.25	Truffles characterization by electrochemical and analytical methods	Segneanu A.E., Sfirloaga P., Vlatanescu N., David I., Grozescu I.
67	8th European Congress of Chemical Engineering and 1st European Congress of Applied Biotechnology- September 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- September 25 – 29 , 2011, Berlin, Germany, 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, 8-9 December Dortmund, 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", May 24 – 26, 2012, Constanta, Romania, PA1	Characterization of some important natural compounds from Cheledonium major	Segneanu A.E., Grozescu I., Lazau C., Bandas C., Neda I. Dabici A., Vlatanescu N.,
71	International Conference Chimia 2012 "New Trends in Applied Chemistry", May 24 – 26, 2012, Constanta, Romania, PA10. I	Isolation and analysis of some important natural compounds from Anchusa officinalis	I. Grozescu, A.E. Segneanu, C. Lazau, C. Bandas, I. Neda A.M.Dabici, N. Vlatanescu,
72	13th Congress of the International Society for Ethnopharmacology, Graz, Austria, September 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 International Conference on Materials Science and Condensed Matter Physics (MSCMP 2012), Chisinau, Moldova, CPPP 39 P	Physico-chemical characterization of biological active compounds from Helianthus Annuus	Grozescu I., Segneanu A.E., Sfirloaga P., Dabici A., Neda I.
74	International workshop - Design of chromophore systems with specific properties and applications in medicine as biomarkers and antitumoral agents, April 18-19, 2013 Timisoara, Romania	Design of chromophore 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 octombrie 2012, București, Romania	Studies on Peptides and Free Amino Acids from Eupatoria cannabinum	Segneanu A.E., Grozescu I., Sfirloaga P., Pop R., Vlazan P., Neda I.
76	Simpozionul International PRIOCHEM, editia a IX-a, 24 - 25 octombrie 2013	Peptides with Potential Biological Activity	Segneanu A., Svera P., Grozescu I.
77	8th International Conference on Materials Science & Engineering –BRAMAT 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, 27-30 April 2014, Piatra Neamt – Romania	Viscum album - aminoacids and peptide analysis and their antitumoral activity	Segneanu A.E, Vlazan P., Svera P., Sfirloaga P., Grozescu I.
79	Ecoimpuls 2013, Timisoara, Romania	Nanomaterials Used For Phosphorus Removal From Waste Water	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 Waste Water Treatment	Segneanu A.E., Damian D., Irina Moisescu 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 Health Food from Medicinal Plants , 1-3 November Beijing, China, 2013	Microencapsulation of Scardica sideritis 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 Neamt – Romania;	Viscum album - 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 Condensed Matter Physics, 16-19 September, Chisinau, Moldova, 2014	A new hybrid material for nutrients removal from wastewater,	Segneanu A., Vlazan, P., Damian, D., Sfirloaga, P., Grozescu, I.,
87	Simpozionul internațional „Prioritățile Chimiei Pentru o Dezvoltare Durabilă Priochem, 30 octombrie 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 octombrie 2014, București, Romania;	Carex arenaria – 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 octombrie 2014, București, Romania;	Advanced Analytical Methods for Complete Screening of Steroidals Compounds - oral presentation	Segneanu A., Svera P., Grozescu I., Mocanu L.
90	The XXIII. Scientific Symposium with International Participation, Hradok, 23-24 October 2014, pag. 129-131 pages (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 Timisoara, 11-13 iunie 2015;	<i>Tehnici si Metodologii Inovatoare pentru Epurarea Apei Uzate- prezentare plenara</i>	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 -Proritatile Chimiei pentru o Dezvoltare Durabila ed. XI, Bucuresti 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., Vaszilcsin, C.
97	The 8th International Conference on Advanced Materials: ROCAM 2015;	New hybrid material with applications in the solar energy area	Vlatanescu N., Berki D., Segneanu A., Damian D., Grozescu I.
98	The 8th International Conference on Advanced Materials: ROCAM 2015;	Synthesis and characterisation of an advanced new composite material for environmental protection	Damian D., Segneanu A.E, Vlatanescu N., Berki D., Hulka I., Grozescu I.
99	APMAS 2017 – 7 th International Advances In Applied Physics and Materials Science Congress & Exhibition, APRIL 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

F. Conferinte nationale

Nr. crt.	Conferinta	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 octombrie 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 Octombrie 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 Octombrie 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., Csunderlik, C.
5	A XXIX-a Conferință Națională de Chimie, Rm. Vâlcea, 3-6 Octombrie 2006; P.S.I.- 23, 49	Sinteze de carbonați organici nesimetrice din N,N'-diftalimidilcarbonat cu aplicații în sinteza peptidelor	Segneanu, A.E., Milea, M., Simon, M., Csunderlik, C.

6	Timișoara, Zilele Academice, 24-25 Mai, 2007	Reacții de alcoxicarbonilare la amine și aminoacizi cu carbonați micști de N-succinimidil și N-ftalimidil	Pintea B., Segneanu A.E., Milea M., Badea V., Csunderlik C.
7	XXX Conferința Națională de Chimie Calimanesti-Caciulata, 8-10 octombrie 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 Calimanesti-Caciulata, 8-10 octombrie, 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 Calimanesti-Caciulata, 8-10 octombrie, 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 Calimanesti-Caciulata, 8-10 octombrie, 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 Calimanesti-Caciulata, 8-10 octombrie, 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, Calimanesti-Caciulata, Valcea, Romania, P.S.I.22	Studies on Chemical Composition of Helleborus puspurascens	Segneanu A.E., Grozescu I., Sfirloaga P., Pop R., Neda I.
13	A XXXIII-a Conferință Națională de Chimie, Căciulata, Romania, 01-03 octombrie 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 hidroenergeticii românești” – Sebeș 2015. Lucrare publicată în Știința și Inginerie vol.28, Ed. Agir Bucuresti 2015, ISSN 2067-7138	Utilizarea nanoparticulelor in managementul apei	Damian D., Grozescu I., Segneanu A
15	National Symposium with International Participation „Medicinal Plants – Present And Perspectives” 06-09 September 2016, Piatra Neamț, Romania.	<i>Curcuma longa</i> – An analytical study	Segneanu A., Damian D., Grozescu I.
16	National Symposium with International Participation „Medicinal Plants – Present And Perspectives” 06-09 September 2016, Piatra Neamț, Romania.	<i>Crocus sativus</i> studies on morphostructural analysis	Segneanu A., Damian D., Grozescu I.
17.	Conferinței de Inginerie Electrică și Sisteme - „Ștefan Gârlașu” (CIES - SG) 3-5 noiembrie 2016	Simple Synthesis Method for Alumina Nanoparticle	Daniel Damian, Florentina Cziple, Adina Segneanu, Ioan Grozescu

G. Lucrari stiintifice publicate in alte baze de date:

Nr. crt.	Revista	Titlu lucrarii	Autori
1.	Proceedings of the 11th WSEAS International Conference on Sustainability in Science Engineering (SSE'09) Timisoara, Sustainability in science	Study of multifunctional nanocomposites (porphyrin systems) used as corrosion inhibitors	Balcu I., Ivan A., Segneanu A.E., Macarie A., Urmosi Z., Vlatanescu, V.

	engineering vol II, pp.520-524, Mai 27-29, published by WSEAS Press, ISSN: 1790-2769, ISBN: 978-960-474-080-2, 2009		
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 A., Taranu B., Urmosi Z
3.	Low Carbon Economy, 2011, 2, pp. 224-229	Comparative study on microorganisms used for the bioethanol production	Macarie C., Segneanu A.E., Balcu I., Burtica G., Gherman V.
4.	Annals of West University of Timisoara, 2008, vol 17, no 3, 19-22;	Laboratory studies regarding the electro-flotocoagulation process used as toxic element containing levigate treatment, from the non-ferrous heavy metal metallurgy	Buzatu D., Segneanu A.E., Iorga M., Vaszilcsin, Mirica, M.
5.	Annals of West University of Timisoara, 2008, vol 17, no 3, pp. 41-44;	Laboratory installation regarding the acid hydrolysis of biomass	Martagiu, R., Segneanu A.E., Macarie C.A., Balcu I., Mirica M.
6.	Ovidius University Annals of Chemistry, 2009, Vol. 20, Number 1, pp. 76-79;	Anthocyanins profile of <i>Vaccinium myrtillus</i> alcoholic extracts revealed by electrospray ionization/mass spectrometry	Ienascu I., Balcu I., Segneanu A., Cata A., Damian D.,
7.	Journal of Horticulture, Forestry and Biotechnology, 2010, Vol. 14, pp.48-54.	Organochlorine pesticides characterization by physico-chemical method	Vlatanescu N., Segneanu A.E., Macarie C., Balcu I, Martagiu R., Fitigau F., Popescu C., David I., Danci M.,
8.	Știința și Inginerie vol.28, Ed. Agir București 2015, ISSN 2067-7138;	Utilizarea nanoparticulelor în managementul apei	Damian D., Grozescu I., Segneanu A.
9.	<i>Book of Abstracts: The 4th International Conference on the Physics of Optical Materials and Devices</i> , 31st August to 4th September 2015, Budva, Montenegro, ISBN 978-86-7306-134-4;	Hybrid material organic-inorganic with luminescence properties and biomedical applications	Segneanu A.E., Grozescu I., Damian D., Vaszilcsin, C.
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27.	Balcu I., Ivan A., Segneanu A.E., Taranu B., Urmosi Z., Anticorrosive protection system based on phosphogypsum, 2009 , <i>Proceedings of the 11th WSEAS International Conference on Sustainability in Science Engineering (SSE '09) Timisoara</i> , 2, pp. 525-530	Badea, C., Bob, C., Iures, L., Waste materials used for building construction, 2010 , <i>4th WSEAS International Conference on Energy Planning, Energy Saving, Environmental Education, EPESE'10, 4th WSEAS International Conference on Renewable Energy Sources, RES '10</i> , pp. 54-59.	1
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Number 1, pp. 76-79;	
TOTAL CITARI:	107

I. Brevete de inventie:

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

J. Cereri de brevet inregistrate la OSIM

Nr. crt.	Titlu descrierii	Autori	Nr. cererii
1.	Procedeu de obtinere a unor carbonati mixti/asimetrice	Segneanu A.E., Pop R., Martagiu R., Balcu I., Mirica M., Iorga M., Macarie C., Vaszilcsin C.	A/00620/2010
2.	Procedeu de obtinere a unui carbonat simetric cu grupa nucleofuga	Segneanu A.E., Pop R., Martagiu R., Balcu I., Mirica M. C., Iorga M., Macarie C., Vaszilcsin C., Milea M.	A/00259/2010
3.	Procedeu de obtinere a unor carbamați	Segneanu A.E., Balcu I., Macarie C., Pop R., Vaszilcsin C, Milea M.	A/01252/2010
4.	Procedeu modern de extractive a diferitelor clase de compusi	Segneanu A.E., Macarie A. C., Balcu I., Grozescu I.	A/00347/2011
5.	Procedeu modern de obtinere a unor dipeptide	Segneanu A.E., Macarie A.C., Grozescu I., Milea M.S.	A1282/2011
6.	Supliment alimentar natural, Scardica sideritis/clinoptilolit	Segneanu A.E., Scorei R. I., Grozescu I., Stanescu C.	A/00786/2013
7.	Material hibrid de tip ZAZ pentru epurarea avansata a apelor uzate	Segneanu A., Segneanu E., Damian D., Grozescu I.	A/00708/2014
8.	Material hibrid de tip ZAF pentru epurarea avansata a apelor uzate	Segneanu A., Segneanu E., Damian D., Grozescu I.	A/00707/2014
9.	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
10.	Sistem de intrerupere in timp real a retelelor de alimentare cu energie in caz de cutremur	Segneanu A.E., Grozescu I., Mosoarca V.	A00313/04.05.2015

K. Opere stiintifice inregistrate la ORDA

Nr. crt.	Titlu brevetului	Autori	Nr. inregistrare
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

L. Premii 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 2016 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;
- **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;**
- **Premiul I** pentru lucrarea comunicata "*Oxidative degradation of Antibiotics Ampicilin 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'-difitalmidil-carbonatului în sinteze de carbonați organici nesimetrice cu aplicatii 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-PRECI SI- 2014-8-6996

M. Afilieri la asociatii stiintifice de prestigiu:

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

N. Altele:

- **Vicepresedinte Societatea de Materiale Avansate- AGIR**
- **Membru al Asociatiei 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 cromophore 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:**
 - Analytical Letters
 - 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
 - Journal of Diseases and Medicinal Plants (JDMP) (Science Publishing Group)

Timisoara, 09.07.2017

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