

**Teza de doctorat:**

Titlul tezei 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;

Cărți

Nr. crt.	Cărți publicate/Editura
1.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA

Capitole Cărți

Nr.	Cărți publicate/Editura	Titlu capitol carte	Autori
1.	In Woodhead Publishing in Materials, Advanced Composite Materials for Wastewater Treatment, Woodhead Publishing, 2025 (eds. Norzita Ngadi, R.A. Ilyas, Nur Hafizah Ab Hamid, S.M. Sapuan), ISBN 9780443336355, https://doi.org/10.1016/B978-0-443-33635-5.00006-6	Advanced materials for wastewater treatment	Segneanu A.-E., Buema G.; Herea D.D.; Grozescu I.
2.	Advanced Nanotechnology in Plants: Methods and Applications, 2024 , (ed. Jen-Tsung Chen), CRC Press, Taylor & Francis Group, LLC, USA, DOI: 10.1201/9781003368571, ISBN 9781003368571 (https://www.taylorfrancis.com/chapters/edit/10.1201/b23308-11/phyto-carrier-systems-based-nanoparticles-adina-elena-segneanu)	Phyto-carriers systems based on nanoparticles	Segneanu A.-E.
3.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024 ; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Medicinal Plants of the Romanian Carpathian Mountains	Segneanu A.E.
4.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024 ; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Alliaceae J.G. Agardh Family	Bejenaru, C.; Radu, A.; Mogoșanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
5.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024 ; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Amaryllidaceae Juss. Family	Bejenaru, C.; Radu, A.; Mogoșanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
6.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024 ; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Apiaceae (Lindl.) (Umbelliferae Juss.) Family	Bejenaru, C.; Radu, A.; Mogoșanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.

Adina-Elena SEGNEANU

7.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Asteraceae Martinov (Compositae Adans.) Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
8.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Boraginaceae Adans. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
9.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Caprifoliaceae Adans. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
10.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Caryophyllaceae Juss. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
11.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Cistaceae Adans. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
12.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Corylaceae Mirb. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
13.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Cupressaceae Gray Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
14.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Dipsacaceae Juss. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
15.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Elaeagnaceae Adans. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
16.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Equisetaceae Michx. ex DC. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
17.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Ericaceae Juss. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
18.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Euphorbiaceae Juss. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
19.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Fabaceae Lindl. (Leguminosae Adans.) Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
20.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited	Fungi	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.;

Adina-Elena SEGNEANU

	by Adina-Elena Segneanu (Publication date: 30 April 2024 ; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA		Bejenaru, L.E.; Bită,A.; Segneanu A.E.
21.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024 ; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Gentianaceae Juss. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită,A.; Segneanu A.E.
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23.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024 ; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Lamiaceae Martinov (Labiatae Adans.) Family in	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită,A.; Segneanu A.E.
24.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024 ; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Liliaceae Adans. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită,A.; Segneanu A.E.
25.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024 ; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Lycopodiaceae Pal. ex Mirb. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită,A.; Segneanu A.E.
26.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024 ; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Papaveraceae Adans. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită,A.; Segneanu A.E.
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31.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024 ; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Rosaceae Juss. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită,A.; Segneanu A.E.
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33.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024 ; ISBN	Saxifragaceae Juss. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită,A.; Segneanu A.E.

Adina-Elena SEGNEANU

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34.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024 ; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Scrophulariaceae Juss. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
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36.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024 ; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Thymelaeaceae Adans. Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
37.	Natural Products and Medicinal Properties of Carpathian (Romanian) Plants edited by Adina-Elena Segneanu (Publication date: 30 April 2024 ; ISBN 9781032219080), CRC Press Taylor&Francis Group, Boca Raton, USA	Violaceae Batsch Family	Bejenaru, C.; Radu, A.; Mogoşanu, G.D.; Bejenaru, L.E.; Bită, A.; Segneanu A.E.
38.	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., Cepan C., Grozescu I., Cziple F., Olariu S., Ratiu S., Lazar V., Sorin Murariu M., Velciov S.M., Marti T. D.
39.	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	A. E. Segneanu, Velciov S., Olariu S., Cziple F., Damian D., Grozescu I.,
40.	Biomass Now - Sustainable Growth and Use, (Ed) by Darko Matovic M., 2013 , IntechOpen, ISBN 978- 953-51-1105-4, InTech, April 4,	Biomass extraction methods	Segneanu A. E., F. Cziple, P. Vlazan, P. Sfirloaga, I. Grozescu, V. D. Gherman
41.	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., I. Balcu, N. Vlatanescu, Z. Urmosi C. A. Macarie
42.	Macro To Nano Spectroscopy, (Ed). Uddin J., 2012 , IntechOpen, ISBN 978-953-51-0664-7	Organic compounds FT-IR spectroscopy	Segneanu A.E., A. Dabici, I. Gozescu, P. Sfirloaga, Z. Szabadai
42.	Analytical Chemistry, (Ed). Krull I.S., 2012 , IntechOpen, ISBN 978-953-51-0837-5	Peptide and amino acids separation and identification from natural products	I.Neda, P. Vlazan, R.O. Pop, P. Sfarloaga, I. Grozescu, A.E. Segneanu
43.	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., Sfirloaga P., Vlatanescu N., Grozescu I.
44.	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., C.A. Macarie, A.E.Segneanu, R.O. Pop

Articole ISI indexate in bazele de date WOS, SCOPUS

Nr	Journal	Titlu	Autori	Impact factor
1	<i>Pharmaceuticals</i> 2025, 18, 599	Phenolic Acid Investigation and In Vitro Antioxidant and Antiacetylcholinesterase Potentials of <i>Galeopsis</i> spp. (<i>Lamiaceae</i>) from Romanian Flora	Golu, R.M.; Bejenaru, C.; Bejenaru, L.E.; Segneanu, A.-E. ; Biță, A.; Radu, A.; Tîrnă, A.C.; Ciocîlteu, M.V.; Mogoşanu, G.D.;	4.90

Adina-Elena SEGNEANU

			Neamțu, J.; et al.	
2	<i>Gels</i> 2025, 11, 268.	Advanced Aerogels for Water Remediation: Unraveling Their Potential in Fats, Oils, and Grease Sorption—A Comprehensive Review	Segneanu, A.-E. ; Herea, D.-D.; Buema, G.; Bradu, I.A.; Cepan, M.; Grozescu, I	5.00
3	<i>Sci Rep</i> 2025, 15, 8694	Wild grown <i>Portulaca oleracea</i> as a novel magnetite based carrier with in vitro antioxidant and cytotoxicity potential	Segneanu, A.E. , Vlase, G., Marin, C.N. <i>et al.</i>	3.80
4	<i>Polymers</i> 2025, 17, 482	Wild-Grown Romanian <i>Eupatorium cannabinum</i> : Advancing Phyto-Nanocarriers via Maltodextrin Micro-Spray Encapsulation—Metabolite Profiling, Antioxidant, Antimicrobial, and Cytotoxicity Insights.	Vlase, G.; Segneanu, A.-E. ; Bejenaru, L.E.; Bradu, I.A.; Sicoe, C.; Vlase, T.; Mogoșanu, G.D.; Buema, G.; Herea, D.-D.; Ciocîlteu, M.V.; et al.	4.70
5	<i>Appl. Sci.</i> 2025, 15, 1235	Phenolic Acid Profile and In Vitro Antioxidant and Anticholinesterase Activities of Romanian Wild-Grown <i>Acer</i> spp. (<i>Sapindaceae</i>).	Bejenaru, C.; Segneanu, A.-E. ; Bejenaru, L.E.; Biță, A.; Radu, A.; Mogoșanu, G.D.; Ciocîlteu, M.V.; Manda, C.V.	2.5
6	<i>Gels</i> 2025, 11, 61	Thermoresponsive gels with rosemary essential oil: a novel topical carrier for antimicrobial therapy and drug delivery applications	Bejenaru, L.E.; Segneanu, A.-E. ; Bejenaru, C.; Bradu, I.A.; Vlase, T.; Herea, D.-D.; Văruț, M.C.; Bălășoiu, R.M.; Biță, A.; Radu, A.; et al.	5.00
7	<i>Appl. Sci.</i> 2025, 15, 681	Seasonal variations in chemical composition and antibacterial and antioxidant activities of <i>Rosmarinus officinalis</i> L. essential oil from southwestern Romania	Bejenaru, L.E.; Segneanu, A.-E. ; Bejenaru, C.; Biță, A.; Tuțulescu, F.; Radu, A.; Ciocîlteu, M.V.; Mogoșanu, G.D.	2.5
8	<i>Polymers</i> 2024, 16, 3469	Novel nanocomposites and biopolymer-based nanocomposites for hexavalent chromium removal from aqueous media	Segneanu, A.E. ; Bradu, I.A.; Calinescu, M.S.; Vlase, G.; Vlase, T.; Herea, D.-D.; Buema, G.; Mihailescu, M.; Grozescu, I.	4.70
9	<i>Antibiotics</i> 2024, 13, 911.	Insight into Romanian wild-grown <i>Heracleum sphondylium</i> : development of a new phytocarrier based on silver nanoparticles with antioxidant, antimicrobial and cytotoxicity potential	Segneanu A.E. Vlase, G.; Vlase, T.; Bejenaru, L.E.; Mogoșanu, G.D.; Buema, G.; Herea, D.-D.; Ciocîlteu, M.V.; Bejenaru, C.	4.30
10	<i>Molecules</i> 2024, 29, 4438	Polyphenols investigation and antioxidant and anticholinesterase activities of <i>Rosmarinus officinalis</i> L. species from southwest Romania flora	Bejenaru, L.E.; Biță, A.; Mogoșanu, G.D.; Segneanu, A.E. ; Radu, A.; Ciocîlteu, M.V.; Bejenaru, C.	4.20
11	<i>Gels</i> 2024, 10, 585	Gels for water remediation: current research and perspectives	Buema, G.; Segneanu A.E. ; Herea, D.-D.; Grozescu, I.	5.00
12	<i>Plants</i> 2024, 13, 2133	Innovative strategies for upcycling agricultural residues and their various pharmaceutical applications	Bejenaru, L.E.; Radu, A.; Segneanu, A.E. ; Biță, A.; Manda, C.-V.; Mogoșanu, G.D.; Bejenaru, C.	4.00
13	<i>Applied Sciences.</i> 2024, 14(11), 4534	Resveratrol: A review on the biological activity and applications	Bejenaru LE, Biță A, Belu I, Segneanu A.E. , Radu A, Dumitru A, Ciocîlteu MV, Mogoșanu GD, Bejenaru C.	2.50
14	<i>Polymers</i> 2024, 16, 1182.	Pharmaceutical applications of biomass polymers: Review of current research and perspectives	Bejenaru, C.; Radu, A.; Segneanu, A.E. ; Biță, A.; Ciocîlteu, M.V.; Mogoșanu, G.D.;	4.70

Adina-Elena SEGNEANU

			Brad, I.A.; Vlase, T.; Vlase, G.; Bejenaru, L.E..	
15	Plants (Basel), 2024, 13, 734	Romanian wild-growing <i>Chelidonium majus</i> —An emerging approach to a potential antimicrobial engineering carrier system based on AuNPs: <i>in vitro</i> investigation and evaluation	Segneanu, A.E.; Vlase, G.; Vlase, T.; Ciocalteu, M.-V.; Bejenaru, C.; Buema, G.; Bejenaru, L.E.; Boia, E.R.; Dumitru, A.; Boia, S	4.00
16	International Journal of Molecular Sciences. 2024; 25(3):1712	An innovative approach to a potential neuroprotective <i>Sideritis scardica</i> -clinoptilolite phyto-nanocarrier: <i>in vitro</i> investigation and evaluation	Segneanu A.E, Vlase G, Vlase T, Bit, A, Bejenaru C, Buema G, Bejenaru LE, Dumitru A, Boia ER.	4.90
17	Plants (Basel), 2023,12:3479.	Wild-grown Romanian <i>Helleborus purpurascens</i> approach to novel chitosan phyto-nanocarriers—metabolite profile and antioxidant properties	Segneanu A.E.; Vlase, G.; Vlase, T.; Sicoe, C.A.; Ciocalteu, M.V.; Herea, D.D.; Ghirlea, O.-F.; Grozescu, I.; Nanescu, V.	4.50
18	Nanomaterials, 2023,13(18):2572.	Innovative low-cost composite nanoadsorbents based on eggshell waste for nickel removal from aqueous media.	Segneanu A-E, Trusca R, Cepan C, Mihailescu M, Muntean C, Herea DD, Grozescu I, Salifoglou A.	4.40
19	Antioxidants 2023,12:1268.	Romanian wild-growing <i>Armoracia rusticana</i> L.—untargeted low-molecular metabolomic approach to a potential antitumoral phyto-carrier system based on kaolinite.	Segneanu A.E., Vlase G., Chirigiu L.,Herea D.D., Pricop M.A., Saracin P.-A., Tanasie S,E.	6.00
20	Antioxidants. 2022,11(11):2261	Untargeted metabolomic approach of <i>Curcuma longa</i> to neurodegenerative phytocarrier system based on silver nanoparticles	Segneanu A.E, Vlase G, Lukinich-Gruia AT, Herea D-D, Grozescu I	7.00
21	Plants (Basel), 2022,11:1820	Romanian <i>Viscum album</i> L.—Untargeted low-molecular metabolomic approach to engineered viscum–AuNPs carrier assembly	Segneanu A.E.; Marin C.N.; Herea D.D., Stanusoiu I., Muntean C., Grozescu I.	4.80
22	Scientific Reports, 2022,12:9676	Highly efficient engineered waste eggshell-fly ash for cadmium removal from aqueous solution	Segneanu A.E., Marin C.N., Vlase G. et al	4.60
23	Plants (Basel), 2021,10(11): 2245	<i>Artemisia annua</i> growing wild in Romania-A metabolite profile approach to target a drug delivery system based on magnetite nanoparticles	Segneanu A.E., Marin N., Ghirlea IOF., Feier CVI., Munteanu C., Grozescu I.	4.658
24	Plants (Basel), 2021,10: 540-557	Chemical screening of metabolite profile from Romanian <i>Tuber spp.</i>	Segneanu A.E., Cepan M., Bobica A., Stanusoiu I., Dragomir I.C., Parau A., Grozescu I.	4.658
25	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	3.748
26	Amino Acids, 2016, 4(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
27	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., Cziple F., Berki D., Damian D., Niculite C. M., Florea A., Leabu M.	2.465

Adina-Elena SEGNEANU

28	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
29	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
30	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
31	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
32	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
33	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., Cziple F., Slavici T., Sfirloaga P.	1.258
34	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
35	Digest Journal of Nanomaterials and Biostructures, 2012 , (2):729-736	Antioxidant capacity of <i>Camellia sinensis</i> extracts	Segneanu A.E. , Vlatanescu N., Vaszilcsin, rie C., Grozescu I	1.092
36	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
37	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
38	Optoelectronics and Advanced Materials, Rapid Communications, 2012 , 6(5-6):652-655	Comparative analytical study of active compounds from zingiber officinale	Segneanu A.E. , Zuguang Y., Dabici A., Jianrong L., Grozescu I.	0.402
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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

Adina-Elena SEGNEANU

47	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
48	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
49	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
50	Revista de Chimie, 2008 , 59(5):575-577	Use of N,N'-difthalimidilcarbonatului in synthesis of organic carbonates with application in peptide synthesis	Segneanu A.E, Milea M., Simon M., Csunderlik C.	0.389
51	Revista de Chimie, 2007 , 58(10):927-931	The use of asymmetrical N-succinimidil carbonates micști for protection of amino group from amines and amino acids	Segneanu A.E, Milea M., Badea V., Csunderlik C	0.261
52	Revista de Chimie, 2007 , 58(7):659-663	Alkoxy carbonylation reactions of amines and amino acids with small N-phthalimidyl carbonates	Segneanu A.E, Milea M., Badea V., Csunderlik C.	0.261
53	Revista de Chimie, 2007 , 58(6):542-546	Syntheses of unsymmetrical organic carbonates from N,N'-succinimidylcarbonate and alcohols	Segneanu A.E, Milea M., Simon M., Csunderlik C.	0.261
54	Revista de Chimie, 2006 , 57(7):739-742	N,N'-disuccinimidylcarbonate, a potential reagent in the fine organic synthesis of unsymmetrical reactive carbonates, used to protect amino groups from amino acids in order to synthesize peptides	Segneanu A.E, Milea M., Pintea B., Simon M., Csunderlik C.	0.287
TOTAL				122,168

ISI Proceedings

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

Brevete de invenție acordate de Oficiul de Stat pentru Invenții si Mărci Romania (OSIM)

Nr.	Titlu brevet invenție	Nr. brevet de inventie	Autori
1	Procedeu pentru Producerea de Nano-Microparticule Magnetizabile Sferice din Zgură Metalică	RO 132974 B1	Bica I.; Segneanu A.E.; Bobica A.; Chirigiu L.M.; Grozescu I.
2	Sistem de protecție anticorozivă	RO 125388 B1	Balcu I., Segneanu A.E., Urmosi Z.G., Macarie A. C., Ivan A.

Adina-Elena SEGNEANU

			M., Mirica M.C., Iorga M. I
3	Inhibitor de coroziune, procedeu de obținere a acestuia și procedeu de acoperire folosind acest Inhibitor	RO 126667 B1	Balcu I., Segneanu A.E., Urmosi Z.G., Macarie A. C., Mirica M. C., Iorga M. I., Vlătanescu V. N., Ivan A. M
4	Procedeu de tratare unei biomase lignocelulozice	RO 127196 B1	Segneanu A.E., Balcu I., Mirica M. C., Iorga M. I., Pop R. O., Peter F.

Lista operelor științifice înregistrate la Oficiul Roman pentru Drepturile de Autor (ORDA)

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

Lista proiecte de cercetare coordonate în calitate de director/responsabil proiect

Nr. crt	Proiect de cercetare- dezvoltare	Contract/Program de finantare	Responsabilitate în cadrul proiectului
1	Contribuții la obținerea biocombustibililor (etanol, alcoolii superiori) prin gazeificarea biomasei lignocelulozice	Contract nr PN 08 33 01 09	Director proiect
2	Studiul obtinerii unor carbonati organici reactivi cu grupă nucleofugă cu aplicații în sinteza dipeptidelor cu activitate biologică	Contract nr 32 -129/2008 – PN II- Program Parteneriate	Director proiect
3	Design inovativ al unor noi sisteme peptidice biologic active cu proprietăți specifice	Proiect Capacitati– Mobilitate internationala 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 internationala Modul III, Bilateral: Romania- China,Contract 628-2012	Director proiect
5	Extractia asistata în câmp de microunde a materialelor organice și anorganice din biomasă	Proiect Capacitati – Mobilitate internationala 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, utilizand un consorțiu bacterian mixt anaerob îmbogățit selectiv (BIOSIM)	Proiect PCCA-I PNII - Contract 49/2012	Responsabil partener

Data: 09.05.2025**Dr. Adina Segneanu**
